

- Bhalerao, SR, Lupo, D, Zangiabadi, A, Kymissis, I, Leppäniemi, J, Alastalo, A & Berger, PR 2019, '0.6V threshold voltage thin film transistors with solution processable indium oxide (In_2O_3) Channel and Anodized High- κ Al_2O_3 Dielectric', *IEEE Electron Device Letters*, Vuosikerta. 40, Nro 7, Sivut 1112-1115. <https://doi.org/10.1109/LED.2019.2918492>
- Murtomaeki, JS, Kirby, G, van Nugteren, J, Contat, PA, Fleiter, J, De Frutos, OS, Pincot, FO, DeRijk, G, Rossi, L, Ruuskanen, J, Stenvall, A & Wolf, F 2018, '10 kA Joints for HTS Roebel Cables', *IEEE Transactions on Applied Superconductivity*, Vuosikerta. 28, Nro 3. <https://doi.org/10.1109/TASC.2018.2804951>
- Viheriälä, J, Aho, A, Virtanen, H, Dumitrescu, M & Guina, M 2017, '1180 nm GaInNAs quantum well based high power DBR laser diodes' Artikkelit esitetty, San Francisco, Yhdysvallat, 28/01/17 - 2/02/17, .
- Kantola, E, Leinonen, T, Ranta, S, Tavast, M, Penttinen, J-P & Guina, M 2015, 1180nm VECSEL with 50 W output power. julkaisussa *Proceedings of SPIE - The International Society for Optical Engineering*. Vuosikerta. 9349, 93490U, SPIE, Iso-Britannia, 1/01/15. <https://doi.org/10.1117/12.2079480>
- Kosunen, M, Lemberg, J, Martelius, M, Roverato, E, Nieminen, T, Englund, M, Stadius, K, Anttila, L, Pallonen, J, Valkama, M & Ryyänen, J 2017, 13.5 A 0.35-to-2.6GHz multilevel outphasing transmitter with a digital interpolating phase modulator enabling up to 400MHz instantaneous bandwidth. julkaisussa *2017 IEEE International Solid-State Circuits Conference, ISSCC 2017*. IEEE, Sivut 224-225, IEEE INTERNATIONAL SOLID-STATE CIRCUITS CONFERENCE, 1/01/00. <https://doi.org/10.1109/ISSCC.2017.7870342>
- Blokhin, SA, Bobrov, MA, Blokhin, AA, Kuzmenkov, AG, Vasil'Ev, AP, Maleev, NA, Dudelev, VV, Soboleva, KK, Sokolovskii, GS, Rantamäki, A, Okhotnikov, O & Ustinov, VM 2016, '1.3 μm InAs quantum dot semiconductor disk laser' Artikkelit esitetty, St. Petersburg, Venäjä, 27/06/16 - 1/07/16, Sivut R317. <https://doi.org/10.1109/LO.2016.7549727>
- Viheriälä, J, Tuorila, H, Zia, N, Cherchi, M, Aalto, T & Guina, M 2019, 1.3 μm U-bend traveling wave SOA devices for high efficiency coupling to silicon photonics. julkaisussa GT Reed & AP Knights (toim), *Silicon Photonics XIV*, 109230E, Proceedings of SPIE - The International Society for Optical Engineering, Vuosikerta. 10923, SPIE, IEEE, San Francisco, Yhdysvallat, 4/02/19. <https://doi.org/10.1117/12.2505935>
- Mereuta, A, Nechay, K, Caliman, A, Suruceanu, G, Gallo, P, Guina, M & Kapon, E 2019, 1.55- μm wavelength wafer-fused OP-VECSELs in flip-chip configuration. julkaisussa U Keller (Toimittaja), *Vertical External Cavity Surface Emitting Lasers (VECSELs) IX*, 1090103, Proceedings of SPIE - The International Society for Optical Engineering, Vuosikerta. 10901, SPIE, IEEE, San Francisco, Yhdysvallat, 5/02/19. <https://doi.org/10.1117/12.2508342>
- Bhalerao, SR, Lupo, D & Berger, PR 2019, 2-volt Solution-Processed, Indium Oxide (In_2O_3) Thin Film Transistors on flexible Kapton. julkaisussa *2019 IEEE International Flexible Electronics Technology Conference, IFETC 2019*. IEEE, 1/01/00. <https://doi.org/10.1109/IFETC46817.2019.9073721>
- Murtomäki, JS, Van Nugteren, J, Stenvall, A, Kirby, G & Rossi, L 2019, '3-D mechanical modeling of 20 T HTS clover leaf end coils - Good practices and lessons learned', *IEEE Transactions on Applied Superconductivity*, Vuosikerta. 29, Nro 5, 8642381. <https://doi.org/10.1109/TASC.2019.2899317>
- Escamez, G, Sirois, F, Lahtinen, V, Stenvall, A, Badel, A, Tixador, P, Ramdane, B, Meunier, G, Perrin-Bit, R & Bruzek, CÉ 2016, '3-D Numerical Modeling of AC Losses in Multifilamentary MgB2 Wires', *IEEE Transactions on Applied Superconductivity*, Vuosikerta. 26, Nro 3, 4701907. <https://doi.org/10.1109/TASC.2016.2533024>
- Pyattaev, A, Hosek, J, Johnsson, K, Krkos, R, Gerasimenko, M, Masek, P, Ometov, A, Andreev, S, Sedy, J, Novotny, V & Koucheryavy, Y 2015, '3GPP LTE-assisted Wi-Fi-direct: Trial implementation of live D2D technology', *ETRI Journal*, Vuosikerta. 37, Nro 5, Sivut 877-887. <https://doi.org/10.4218/etrij.15.2415.0003>
- Yadav, A, Chichkov, NB, Gumenyuk, R, Zherebtsov, E, Melkumov, MA, Yashkov, MV, Dianov, EM & Rafailov, EU 2019, 405-nm pumped Ce^{3+} -doped silica fiber for broadband fluorescence from cyan to red. julkaisussa MJF Digonnet & S Jiang (toim), *Optical Components and Materials XVI*, 1091406, Proceedings of SPIE - The International Society for Optical Engineering, Vuosikerta. 10914, SPIE, IEEE, San Francisco, Yhdysvallat, 4/02/19. <https://doi.org/10.1117/12.2509599>

Wang, Y, Zhao, Y, Pan, Z, Suomalainen, S, Härkönen, A, Guina, M, Griebner, U, Wang, L, Loiko, P, Mateos, X, Chen, W & Petrov, V 2020, 73-fs SESAM mode-locked Tm,Ho:CNGG laser at 2061 nm. julkaisussa WA Clarkson & RK Shori (toim), *Solid State Lasers XXIX: Technology and Devices.*, 1125929, Proceedings of SPIE - The International Society for Optical Engineering, Vuosikerta. 11259, SPIE, San Francisco, Yhdysvallat, 4/02/20. <https://doi.org/10.1117/12.2548180>

Beck, S, Jeong, S, Min, S, Hwang, MW, Kim, ST, Lim, K & Tentzeris, EM 2011, 'A 0.5-6MHz Active-RC LPF with Fine Gain Steps Using Binary Interpolated Resistor Banks', *IEICE TRANSACTIONS ON ELECTRONICS*, Vuosikerta. E94-C, Nro 8, Sivut 1328-1331. <https://doi.org/10.1587/transele.E94.C.1328>

Petelenz, P & Kulig, W 2011, 'Absorption profile and femtosecond intraband relaxation of the intense upper Davydov component in oligothiophenes', *Physica Status Solidi B: Basic Solid State Physics*, Vuosikerta. 248, Nro 2, Sivut 412-415. <https://doi.org/10.1002/pssb.201000640>

Kirby, GA, Van Nugteren, J, Ballarino, A, Bottura, L, Chouika, N, Clement, S, Datskov, V, Fajardo, L, Fleiter, J, Gauthier, R, Gentini, L, Lambert, L, Lopes, M, Perez, JC, De Rijk, G, Rijllart, A, Rossi, L, Ten Kate, H, Durante, M, Fazilleau, P, Lorin, C, Härö, E, Stenvall, A, Caspi, S, Marchevsky, M, Goldacker, W & Kario, A 2015, 'Accelerator-quality HTS dipole magnet demonstrator designs for the EuCARD-2 5-T 40-mm clear aperture magnet', *IEEE Transactions on Applied Superconductivity*, Vuosikerta. 25, Nro 3, 4000805. <https://doi.org/10.1109/TASC.2014.2361933>

Voronin, V, Pismenskova, M, Zelensky, A, Cen, Y, Nadykto, A & Egiazarian, K 2018, Action recognition using the 3D dense microblock difference. julkaisussa *Counterterrorism, Crime Fighting, Forensics, and Surveillance Technologies II.*, 1080200, Proceedings of SPIE, Vuosikerta. 10802, SPIE, Berlin, Saksa, 10/09/18. <https://doi.org/10.1117/12.2326801>

Acar, E, Peltonen, S & Ruotsalainen, U 2016, 'Adaptive multiresolution method for MAP reconstruction in electron tomography', *Ultramicroscopy*, Vuosikerta. 170, Sivut 24-34. <https://doi.org/10.1016/j.ultramic.2016.08.002>

Salmi, T, Tarhasaari, T & Izquierdo-Bermudez, S 2020, 'A Database for Storing Magnet Parameters and Analysis of Quench Test Results in HL-LHC Nb₃Sn Short Model Magnets', *IEEE Transactions on Applied Superconductivity*, Vuosikerta. 30, Nro 4, 4703705. <https://doi.org/10.1109/TASC.2020.2981304>

Wang, J & Ray, AK 2011, 'Adsorption and dissociation of molecular oxygen on α -Pu (0 2 0) surface: A density functional study', *Physica B: Condensed Matter*, Vuosikerta. 406, Nro 17, Sivut 3285-3294. <https://doi.org/10.1016/j.physb.2011.05.041>

Korobko, DA, Okhotnikov, OG, Sysoliatin, AA & Zolotovskii, IO 2016, 'Advanced scheme of amplifier similariton laser' Artikkelit esitetty, St. Petersburg, Venäjä, 27/06/16 - 1/07/16, Sivut R858. <https://doi.org/10.1109/LO.2016.7549889>

Berger, PR, Li, M, Mattei, RM, Niang, MA, Talisa, N, Tripepi, M, Harris, B, Bhalerao, SR, Chowdhury, EA, Winter, CH & Lupo, D 2019, Advancements in Solution Processable Devices using Metal Oxides For Printed Internet-of-Things Objects. julkaisussa *2019 Electron Devices Technology and Manufacturing Conference, EDTM 2019*. IEEE, Sivut 160-162, Singapore, Singapore, 12/03/19. <https://doi.org/10.1109/EDTM.2019.8731322>

Moradi, E, Koski, K, Björninen, T, Muller, R, Ledochowitsch, P, Sydänheimo, L, Alon, E, Maharbiz, MM, Rabaey, JM, Ukkonen, L & Rahmat-Samii, Y 2014, Advances in implantable and wearable antennas for wireless brain-machine interface systems. julkaisussa *2014 United States National Committee of URSI National Radio Science Meeting, USNC-URSI NRSM 2014.*, 6928137, Institute of Electrical and Electronics Engineers Inc., Boulder, Yhdysvallat, 8/01/14. <https://doi.org/10.1109/USNC-URSI-NRSM.2014.6928137>

van Nugteren, J, Murtomäki, J, Ruuskanen, J, Kirby, G, Hagen, P, DeRijk, G, Ten Kate, H, Bottura, L & Rossi, L 2019, 'A Fast Quench Protection System for High-Temperature Superconducting Magnets', *IEEE Transactions on Applied Superconductivity*, Vuosikerta. 29, Nro 1, 4700108. <https://doi.org/10.1109/TASC.2018.2848229>

Lahtinen, V, Stenvall, A, Sirois, F & Pellikka, M 2015, 'A Finite Element Simulation Tool for Predicting Hysteresis Losses in Superconductors Using an H-Oriented Formulation with Cohomology Basis Functions', *Journal of Superconductivity and Novel Magnetism*, Vuosikerta. 28, Nro 8, Sivut 2345-2354. <https://doi.org/10.1007/s10948-015-3074-x>

Qu, Y, Soininen, JP & Nurmi, J 2007, A genetic algorithm for scheduling tasks onto dynamically reconfigurable hardware. julkaisussa *2007 IEEE International Symposium on Circuits and Systems*. Sivut 161-164, New Orleans, LA, Yhdysvallat, 27/05/07. <https://doi.org/10.1109/ISCAS.2007.378246>

Sand, A & Rakkolainen, I 2014, A hand-held immaterial volumetric display. julkaisussa *Proceedings of SPIE-IS and T Electronic Imaging - Stereoscopic Displays and Applications XXV*. Vuosikerta. 9011, 90110Q, SPIE, San Francisco, CA, Yhdysvallat, 3/02/14. <https://doi.org/10.1117/12.2035280>

Nechay, K, Kahle, H, Penttinen, J-P, Rajala, P, Tukiainen, A, Ranta, S & Guina, M 2019, 'AlGaAs/AlGaInP VECSELS with Direct Emission at 740-770 nm', *IEEE Photonics Technology Letters*, Vuosikerta. 31, Nro 15, Sivut 1245-1248. <https://doi.org/10.1109/LPT.2019.2924289>

Gumenyuk, R, Filippov, V, Vorotinskii, A, Okhotnikov, OG, Chamorovskii, Y & Golant, K 2014, All-fiber, high-power, picosecond Yb double clad tapered fiber amplifier. julkaisussa *Proceedings - 2014 International Conference Laser Optics, LO 2014.*, 6886471, IEEE, International Conference on Laser Optics, 1/01/14. <https://doi.org/10.1109/LO.2014.6886471>

Kerst, T & Toivonen, J 2018, Alpha radiation induced luminescence in solar blind spectral region. julkaisussa *CLEO: Applications and Technology, CLEO_AT 2018*. OSA - The Optical Society, CONFERENCE ON LASERS AND ELECTRO-OPTICS, 1/01/00. https://doi.org/10.1364/CLEO_AT.2018.ATh4O.8

Ali-Löytty, H, Louie, MW, Singh, MR, Li, L, Sanchez Casalongue, HG, Ogasawara, H, Crumlin, EJ, Liu, Z, Bell, AT, Nilsson, A & Friebe, D 2016, 'Ambient-Pressure XPS Study of a Ni-Fe Electrocatalyst for the Oxygen Evolution Reaction', *Journal of Physical Chemistry C*, Vuosikerta. 120, Nro 4, Sivut 2247-2253. <https://doi.org/10.1021/acs.jpcc.5b10931>

Phung, HM, Kahle, H, Penttinen, J-P, Rajala, P, Ranta, S & Guina, M 2020, A membrane external-cavity surface-emitting laser (MECSEL) with emission around 825 nm. julkaisussa JE Hastie (Toimittaja), *Vertical External Cavity Surface Emitting Lasers (VECSELS) X.*, 112630H, Proceedings of SPIE - The International Society for Optical Engineering, Vuosikerta. 11263, SPIE, San Francisco, Yhdysvallat, 4/02/20. <https://doi.org/10.1117/12.2545980>

Rubel, AS, Lukin, VV & Egiazarian, K 2015, A method for predicting DCT-based denoising efficiency for grayscale images corrupted by AWGN and additive spatially correlated noise. julkaisussa *Proceedings of SPIE - The International Society for Optical Engineering*. Vuosikerta. 9399, 93990P, SPIE, IS&T/SPIE ELECTRONIC IMAGING / IMAGE PROCESSING: ALGORITHMS AND SYSTEMS, 1/01/00. <https://doi.org/10.1117/12.2082533>

Beck, S, Kim, ST, Lim, K, Tentzeris, MM & Laskar, J 2011, A multi-band WCDMA SAW-less receivers with frequency selective feedback loop. julkaisussa *54th IEEE International Midwest Symposium on Circuits and Systems, MWSCAS 2011.*, 6026387, Seoul, Etelä-Korea, 7/08/11. <https://doi.org/10.1109/MWSCAS.2011.6026387>

Ma, L & Ray, AK 2011, 'An ab initio study of PuO_{2+0.25}, UO_{2+0.25}, and U_{0.5}Pu_{0.5}O_{2+0.25}', *European Physical Journal B*, Vuosikerta. 81, Nro 1, Sivut 103-113. <https://doi.org/10.1140/epjb/e2011-10759-0>

Salmi, T, Chlachidze, G, Marchevsky, M, Bajas, H, Felice, H & Stenvall, A 2015, 'Analysis of uncertainties in protection heater delay time measurements and simulations in Nb₃Sn high-field accelerator magnets', *IEEE Transactions on Applied Superconductivity*, Vuosikerta. 25, Nro 4. <https://doi.org/10.1109/TASC.2015.2437332>

Zhao, J, Stenvall, A, Gao, Y & Salmi, T 2020, 'Analytical and Numerical Methods to Estimate the Effective Mechanical Properties of Rutherford Cables', *IEEE Transactions on Applied Superconductivity*, Vuosikerta. 30, Nro 5, 8400808. <https://doi.org/10.1109/TASC.2020.2968924>

Skaugen, A, Murray, P & Laurson, L 2019, 'Analytical computation of the demagnetizing energy of thin-film domain walls', *Physical Review B*, Vuosikerta. 100, Nro 9, 094440. <https://doi.org/10.1103/PhysRevB.100.094440>

- Colace, L, Santoni, F & Assanto, G 2013, 'A near-infrared optoelectronic approach to detection of road conditions', *Optics and Lasers in Engineering*, Vuosikerta. 51, Nro 5, Sivut 633-636. <https://doi.org/10.1016/j.optlaseng.2013.01.003>
- Beck, S, Kim, ST, Lee, M, Lim, K, Laskar, J & Tentzeris, MM 2011, 'A new power-consumption optimization technique for two-stage operational amplifiers', *IEICE TRANSACTIONS ON ELECTRONICS*, Vuosikerta. E94-C, Nro 6, Sivut 1138-1140. <https://doi.org/10.1587/transele.E94.C.1138>
- Liu, X, Fan, Y & Tentzeris, MM 2015, 'An integrated "sense-and-communicate" broad-/narrow-band optically controlled reconfigurable antenna for cognitive radio systems', *Microwave and Optical Technology Letters*, Vuosikerta. 57, Nro 4, Sivut 1016-1023. <https://doi.org/10.1002/mop.29004>
- Belahcen, A, Singh, D, Rasilo, P, Martin, F, Ghalamestani, SG & Vandeveld, L 2015, 'Anisotropic and strain-dependent model of magnetostriction in electrical steel sheets', *IEEE Transactions on Magnetics*, Vuosikerta. 51, Nro 3, 2001204. <https://doi.org/10.1109/TMAG.2014.2361681>
- Filippov, V, Noronen, T, Gumenyuk, R, Chamorovskii, Y, Golant, K & Odnoblyudov, M 2017, Anisotropic ultra-large mode area Yb-doped tapered double clad fiber for ultrafast amplifiers. julkaisussa *Advanced Solid State Lasers 2017: Nagoya, Aichi Japan 1-5 October 2017*. Vuosikerta. Part F75-ASSL 2017, JTU2A.51, The Optical Society; OSA, Nagoya, Japani, 1/10/17. <https://doi.org/10.1364/ASSL.2017.JTU2A.51>
- Stumpel, JE, Wouters, C, Herzer, N, Ziegler, J, Broer, DJ, Bastiaansen, CWM & Schenning, APHJ 2014, 'An Optical Sensor for Volatile Amines Based on an Inkjet-Printed, Hydrogen-Bonded, Cholesteric Liquid Crystalline Film', *Advanced Optical Materials*, Vuosikerta. 2, Nro 5, Sivut 459-464. <https://doi.org/10.1002/adom.201300516>
- Nate, K & Tentzeris, MM 2015, A novel 3-D printed loop antenna using flexible NinjaFlex material for wearable and IoT applications. julkaisussa *2015 IEEE 24th Conference on Electrical Performance of Electronic Packaging and Systems, EPEPS 2015.*, 7347155, Institute of Electrical and Electronics Engineers Inc., Sivut 171-174, San Jose, Yhdysvallat, 25/10/15. <https://doi.org/10.1109/EPEPS.2015.7347155>
- Hasani, M, Vena, A, Sydänheimo, L, Tentzeris, MM & Ukkonen, L 2015, 'A Novel Enhanced-Performance Flexible RFID-Enabled Embroidered Wireless Integrated Module for Sensing Applications', *IEEE Transactions on Components, Packaging and Manufacturing Technology*, Vuosikerta. 5, Nro 9, Sivut 1244-1252. <https://doi.org/10.1109/TCPMT.2015.2461661>
- Le, T, Song, B, Liu, Q, Bahr, RA, Moscato, S, Wong, CP & Tentzeris, MM 2015, A novel strain sensor based on 3D printing technology and 3D antenna design. julkaisussa *2015 IEEE 65th Electronic Components and Technology Conference, ECTC 2015*. Vuosikerta. 2015-July, 7159714, Institute of Electrical and Electronics Engineers Inc., Sivut 981-986, San Diego, Yhdysvallat, 26/05/15. <https://doi.org/10.1109/ECTC.2015.7159714>
- Moradi, E, Koski, K, Hasani, M, Rahmat-Samii, Y & Ukkonen, L 2015, Antenna design considerations for far field and near field wireless body-centric systems. julkaisussa *ICCEM 2015 - 2015 IEEE International Conference on Computational Electromagnetics.*, 7052555, The Institute of Electrical and Electronics Engineers, Inc., Sivut 59-60, Yhdysvallat, 1/01/00. <https://doi.org/10.1109/COMPEM.2015.7052555>
- Battisti, F, Carli, M, Stramacci, A, Boev, A & Gotchev, A 2015, A perceptual quality metric for high-definition stereoscopic 3D video. julkaisussa *Image Processing: Algorithms and Systems XIII.*, 939916, SPIE Conference Proceedings, Vuosikerta. 9399, SPIE, IS&T/SPIE ELECTRONIC IMAGING / IMAGE PROCESSING: ALGORITHMS AND SYSTEMS, 1/01/00. <https://doi.org/10.1117/12.2086901>
- Kovács, PT, Zare, A, Balogh, T, Bregovic, R & Gotchev, A 2017, 'Architectures and codecs for real-time light field streaming', *Journal of Imaging Science and Technology*, Vuosikerta. 61, Nro 1, 010403. <https://doi.org/10.2352/J.ImagingSci.Technol.2017.61.1.010403>
- Kalimeri, M, Derreumaux, P & Sterpone, F 2015, 'Are coarse-grained models apt to detect protein thermal stability? the case of OPEP force field', *Journal of Non-Crystalline Solids*, Vuosikerta. 407, Sivut 494-501. <https://doi.org/10.1016/j.jnoncrsol.2014.07.005>

Jaakkola, H, Henno, J, Mäkelä, J & Thalheim, B 2019, Artificial intelligence yesterday, today and tomorrow. julkaisussa K Skala, Z Car, P Pale, D Huljenic, M Janjic, M Koracic, V Sruk, S Ribaric, TG Grbac, Z Butkovic, M Cicin-Sain, D Skvorc, M Mauher, S Babic, S Gros, B Vrdoljak & E Tijan (toim), *2019 42nd International Convention on Information and Communication Technology, Electronics and Microelectronics, MIPRO 2019 - Proceedings*. IEEE, Sivut 860-867, Opatija, Croatia, 20/05/19. <https://doi.org/10.23919/MIPRO.2019.8756913>

Heiskanen, JP, Manninen, VM, Pankov, D, Omar, WAE, Kastinen, T, Hukka, TI, Lemmetyinen, HJ & Hormi, OEO 2015, 'Aryl end-capped quaterthiophenes applied as anode interfacial layers in inverted organic solar cells', *Thin Solid Films*, Vuosikerta. 574, Sivut 196-206. <https://doi.org/10.1016/j.tsf.2014.12.007>

Sarcan, F, Mutlu, S, Cokduygulular, E, Donmez, O, Erol, A, Puustinen, J & Guina, M 2018, 'A study of electric transport in n- and p-type modulation-doped GaInNAs/GaAs quantum well structures under a high electric field', *Semiconductor Science and Technology*, Vuosikerta. 33, Nro 6, 064003. <https://doi.org/10.1088/1361-6641/aabc39>

Kariniemi, H, Nurmi, J, Fagerlund, P, Liitola, J & Alinikula, J 2002, ATM switch for 2.488 Gbit/s CATV network on FPGA with a high-throughput buffering architecture. julkaisussa *Midwest Symposium on Circuits and Systems*. Vuosikerta. 2, Tulsa, OK, Yhdysvallat, 4/08/02. <https://doi.org/10.1109/MWSCAS.2002.1186814>

Järvenhaara, J, Filanovsky, IM, Nevalainen, I & Tchamov, NT 2020, A Two-Stage LNA Design for 28GHz Band of 5G on 45nm CMOS. julkaisussa *2020 IEEE 63rd International Midwest Symposium on Circuits and Systems, MWSCAS 2020 - Proceedings*. Midwest Symposium on Circuits and Systems, IEEE, Sivut 957-961, Springfield, Yhdysvallat, 9/08/20. <https://doi.org/10.1109/MWSCAS48704.2020.9184697>

Aho, T, Tukiainen, A, Elsehrawy, F, Ranta, S, Raappana, M, Aho, A, Isoaho, R, Cappelluti, F & Guina, M 2019, Back Reflector with Diffractive Gratings for Light-Trapping in Thin-Film III-V Solar Cells. julkaisussa *2019 European Space Power Conference (ESPC)*. IEEE, European Space Power Conference, 1/01/00. <https://doi.org/10.1109/ESPC47532.2019.9049262>

Ukkonen, L, Sydänheimo, L, Ma, S & Björnininen, T 2020, Backscattering-based wireless communication and power transfer to small biomedical implants. julkaisussa BL Gray & H Becker (toim), *Microfluidics, BioMEMS, and Medical Microsystems XVIII.*, 112350A, Progress in Biomedical Optics and Imaging - Proceedings of SPIE, Vuosikerta. 11235, SPIE, San Francisco, Yhdysvallat, 1/02/20. <https://doi.org/10.1117/12.2552183>

Zakeri, FS, Bätz, M, Jaschke, T, Keinert, J & Chuchvara, A 2019, Benchmarking of several disparity estimation algorithms for light field processing. julkaisussa S Bazeille, N Verrier & C Cudel (toim), *Fourteenth International Conference on Quality Control by Artificial Vision.*, 111721C, Proceedings of SPIE - The International Society for Optical Engineering, Vuosikerta. 11172, SPIE, IEEE, Mulhouse, Ranska, 15/05/19. <https://doi.org/10.1117/12.2521747>

Glorieux, B, Salminen, T, Massera, J, Lastusaari, M & Petit, L 2018, 'Better understanding of the role of SiO₂, P₂O₅ and Al₂O₃ on the spectroscopic properties of Yb³⁺ doped silica sol-gel glasses', *Journal of Non-Crystalline Solids*, Vuosikerta. 482, Sivut 46-51. <https://doi.org/10.1016/j.jnoncrsol.2017.12.021>

Piccardi, A, Alberucci, A, Kravets, N, Buchnev, O, Kaczmarek, M & Assanto, G 2014, Bistable optical propagation in nematic liquid crystals. julkaisussa *Nonlinear Photonics, NP 2014*. Optical Society of America OSA.

Rasappa, S, Borah, D, Senthamaraikannan, R, Faulkner, CC, Shaw, MT, Gleeson, P, Holmes, JD & Morris, MA 2012, 'Block copolymer lithography: Feature size control and extension by an over-etch technique', *Thin Solid Films*, Vuosikerta. 522, Sivut 318-323. <https://doi.org/10.1016/j.tsf.2012.09.017>

Ramesh, A, Growden, TA, Berger, PR, Loo, R, Vandervorst, W, Douhard, B & Caymax, M 2012, 'Boron delta-doping dependence on Si/SiGe resonant interband tunneling diodes grown by chemical vapor deposition', *IEEE Transactions on Electron Devices*, Vuosikerta. 59, Nro 3, Sivut 602-609. <https://doi.org/10.1109/TED.2011.2180532>

Giannoulis, G, Korpijärvi, V-M, Iliadis, N, Mäkelä, J, Viheriälä, J, Apostolopoulos, D, Guina, M & Avramopoulos, H 2015, 'Bringing High-Performance GaInNAsSb/GaAs SOAs to True Data Applications', *IEEE Photonics Technology Letters*, Vuosikerta. 27, Nro 16, 7113825, Sivut 1691-1694. <https://doi.org/10.1109/LPT.2015.2436697>

Jung, KY, Yoon, WJ, Park, YB, Berger, PR & Teixeira, FL 2014, 'Broadband finite-Difference Time-Domain modeling of plasmonic organic photovoltaics', *ETRI Journal*, Vuosikerta. 36, Nro 4, Sivut 654-661. <https://doi.org/10.4218/14.0113.0767>

Rissanen, I & Laurson, L 2019, 'Bursty magnetic friction between polycrystalline thin films with domain walls', *Physical Review B*, Vuosikerta. 100, Nro 14, 144408. <https://doi.org/10.1103/PhysRevB.100.144408>

Koivusaari, KJ, Rantala, TT & Leppävuori, S 2000, 'Calculated electronic density of states and structural properties of tetrahedral amorphous carbon', *Diamond and Related Materials*, Vuosikerta. 9, Nro 3, Sivut 736-740. [https://doi.org/10.1016/S0925-9635\(99\)00286-1](https://doi.org/10.1016/S0925-9635(99)00286-1)

Şahin, E & Onural, L 2013, 'Calculation of the scalar diffraction field from curved surfaces by decomposing the three-dimensional field into a sum of Gaussian beams', *Journal of the Optical Society of America A: Optics Image Science and Vision*, Vuosikerta. 30, Nro 3, Sivut 527-536.

Putala, J, Niittynen, J, Hannu, J, Myllymäki, S, Kunnari, E, Mäntysalo, M, Hagberg, J & Jantunen, H 2017, 'Capability assessment of inkjet printing for reliable RFID applications', *IEEE Transactions on Device and Materials Reliability*, Vuosikerta. 17, Nro 2, Sivut 281-290. <https://doi.org/10.1109/TDMR.2016.2636342>

Casula, R, Penttinen, J-P, Guina, M, Kemp, AJ & Hastie, JE 2018, 'Cascaded crystalline raman lasers for extended wavelength coverage: Continuous-wave, third-stokes operation', *Optica*, Vuosikerta. 5, Nro 11, Sivut 1406-1413. <https://doi.org/10.1364/OPTICA.5.001406>

Ma, L, Laasonen, K & Akola, J 2017, 'Catalytic Activity of AuCu Clusters on MgO(100): Effect of Alloy Composition for CO Oxidation', *Journal of Physical Chemistry C*, Vuosikerta. 121, Nro 20, Sivut 10876-10886. <https://doi.org/10.1021/acs.jpcc.6b12054>

Caglayan, H, Bulu, I, Loncar, M & Ozbay, E 2008, 'Cavity formation in split ring resonators', *Photonics and Nanostructures - Fundamentals and Applications*, Vuosikerta. 6, Nro 3-4, Sivut 200-204. <https://doi.org/10.1016/j.photonics.2008.09.001>

Mashayekhi, M, Winchester, L, Laurila, M-M, Mäntysalo, M, Ogier, S, Terés, L & Carrabina, J 2017, 'Chip-by-chip configurable interconnection using digital printing techniques', *Journal of Micromechanics and Microengineering*, Vuosikerta. 27, Nro 4, 045009. <https://doi.org/10.1088/1361-6439/aa5ef3>

Genty, G, Friberg, AT & Turunen, J 2016, Coherence of Supercontinuum Light. julkaisussa *Progress in Optics*. Vuosikerta. 61, Progress in Optics, Elsevier. <https://doi.org/10.1016/bs.po.2015.10.002>

Bajas, H, Ambrosio, G, Anerella, M, Bajko, M, Bossert, R, Caspi, S, Chiuchiolo, A, Chlachidze, G, Dietderich, D, Dunkel, O, Felice, H, Ferracin, P, Feuvrier, J, Fiscarelli, L, Ghosh, A, Giloux, C, Godeke, A, Hafalia, AR, Marchevsky, M, Russenschuck, S, Sabbi, GL, Salmi, T, Schmalzle, J, Todesco, E, Wanderer, P, Wang, X & Yu, M 2013, 'Cold test results of the LARP HQ Nb₃Sn quadrupole magnet at 1.9 K', *IEEE Transactions on Applied Superconductivity*, Vuosikerta. 23, Nro 3, 4002606. <https://doi.org/10.1109/TASC.2013.2245281>

Laurila, M-M, Khorramdel, B & Mäntysalo, M 2017, 'Combination of E-jet and inkjet printing for additive fabrication of multilayer high-density RDL of silicon interposer', *IEEE Transactions on Electron Devices*, Vuosikerta. 64, Nro 3, Sivut 1217-1224. <https://doi.org/10.1109/TED.2016.2644728>

Lukin, VV, Ponomarenko, NN, Ieremeiev, O, Egiazarian, K & Astola, J 2015, Combining full-reference image visual quality metrics by neural network. julkaisussa *Proceedings of SPIE - The International Society for Optical Engineering*. Vuosikerta. 9394, 93940K, SPIE, Yhdysvallat, 1/01/00. <https://doi.org/10.1117/12.2085465>

Moiseev, EI, Maximov, MV, Kryzhanovskaya, NV, Simchuk, OI, Kulagina, MM, Kadinskaya, SA, Guina, M & Zhukov, AE 2020, 'Comparative Analysis of Injection Microdisk Lasers Based on InGaAsN Quantum Wells and InAs/InGaAs Quantum Dots', *Semiconductors*, Vuosikerta. 54, Nro 2, Sivut 263-267. <https://doi.org/10.1134/S1063782620020177>

Musgraves, JD, Carlie, N, Hu, J, Petit, L, Agarwal, A, Kimerling, LC & Richardson, KA 2011, 'Comparison of the optical, thermal and structural properties of Ge-Sb-S thin films deposited using thermal evaporation and pulsed laser deposition techniques', *Acta Materialia*, Vuosikerta. 59, Nro 12, Sivut 5032-5039. <https://doi.org/10.1016/j.actamat.2011.04.060>

Vignion-Dewalle, AS, Betrouni, N, Tylcz, JB, Vermandel, M, Mortier, L & Mordon, S 2015, 'Comparison of three light doses in the photodynamic treatment of actinic keratosis using mathematical modeling', *JOURNAL OF BIOMEDICAL OPTICS*, Vuosikerta. 20, Nro 5, 058001. <https://doi.org/10.1117/1.JBO.20.5.058001>

Bansod, ND, Kapgate, BP, Das, C, Das, A, Basu, D & Debnath, SC 2016, 'Compatibilization of natural rubber/nitrile rubber blends by sol-gel nano-silica generated by in situ method', *JOURNAL OF SOL-GEL SCIENCE AND TECHNOLOGY*, Vuosikerta. 80, Nro 2, Sivut 548-559. <https://doi.org/10.1007/s10971-016-4114-0>

Kulya, MS, Katkovnik, V, Egiazarian, K & Petrov, NV 2020, Complex-domain sparse imaging in terahertz pulse time-domain holography with balance detection. julkaisussa LP Sadwick & T Yang (toim), *Terahertz, RF, Millimeter, and Submillimeter-Wave Technology and Applications XIII.*, 1127921, Proceedings of SPIE, Vuosikerta. 11279, SPIE, San Francisco, Yhdysvallat, 3/02/20. <https://doi.org/10.1117/12.2549001>

Aho, A, Polojärvi, V, Korpijärvi, VM, Salmi, J, Tukiainen, A, Laukkanen, P & Guina, M 2014, 'Composition dependent growth dynamics in molecular beam epitaxy of GaInNAs solar cells', *Solar Energy Materials and Solar Cells*, Vuosikerta. 124, Sivut 150-158. <https://doi.org/10.1016/j.solmat.2014.01.044>

Cho, C, Yi, X, Wang, Y, Tentzeris, MM & Leon, RT 2014, Compressive strain measurement using RFID patch antenna sensors. julkaisussa *Sensors and Smart Structures Technologies for Civil, Mechanical, and Aerospace Systems 2014*. Vuosikerta. 9061, 90610X, SPIE, San Diego, CA, Yhdysvallat, 10/03/14. <https://doi.org/10.1117/12.2045122>

Katkovnik, V, Shevkunov, I, Petrov, NV & Egiazarian, K 2017, 'Computational super-resolution phase retrieval from multiple phase-coded diffraction patterns: Simulation study and experiments', *Optica*, Vuosikerta. 4, Nro 7, Sivut 786-794. <https://doi.org/10.1364/OPTICA.4.000786>

Katkovnik, V, Shevkunov, I, Petrov, NV & Egiazarian, K 2017, Computational wavelength resolution for in-line lensless holography: Phase-coded diffraction patterns and wavefront group-sparsity. julkaisussa *Digital Optical Technologies 2017.*, 1033509, Proceedings of SPIE, Vuosikerta. 10335, SPIE, 1/01/00. <https://doi.org/10.1117/12.2269327>

Silwal, B, Rasilo, P, Perkkio, L, Oksman, M, Hannukainen, A, Eirola, T & Arkkio, A 2014, 'Computation of torque of an electrical machine with different types of finite element mesh in the air gap', *IEEE Transactions on Magnetics*, Vuosikerta. 50, Nro 12, 8105909. <https://doi.org/10.1109/TMAG.2014.2333491>

Schoerling, D, Durante, M, Lorin, C, Martinez, T, Ruuskanen, J, Salmi, T, Sorbi, M, Tommasini, D & Toral, F 2017, 'Considerations on a Cost Model for High-Field Dipole Arc Magnets for FCC', *IEEE Transactions on Applied Superconductivity*, Vuosikerta. 27, Nro 4, 4003105. <https://doi.org/10.1109/TASC.2017.2657510>

Bhagavatheswaran, ES, Parsekar, M, Das, A, Le, HH, Wiessner, S, Stöckelhuber, KW, Schmaucks, G & Heinrich, G 2015, 'Construction of an Interconnected Nanostructured Carbon Black Network: Development of Highly Stretchable and Robust Elastomeric Conductors', *Journal of Physical Chemistry C*, Vuosikerta. 119, Nro 37, Sivut 21723-21731. <https://doi.org/10.1021/acs.jpcc.5b06629>

Casula, R, Penttinen, JP, Guina, M, Kemp, AJ & Hastie, JE 2017, Continuous-wave, cascaded raman laser at 1.3, 1.5, and 1.7 μm . julkaisussa *The European Conference on Lasers and Electro-Optics, CLEO_Europe 2017*. Optics InfoBase Conference Papers, Vuosikerta. Part F82-CLEO_Europe 2017, OSA - The Optical Society, Munich, Saksa, 25/06/17.

- Vainio, M 2020, Continuous-wave optical parametric oscillators for mid-infrared spectroscopy. julkaisussa PG Schunemann & KL Schepler (toim), *Nonlinear Frequency Generation and Conversion: Materials and Devices XIX.*, 1126419, Proceedings of SPIE - The International Society for Optical Engineering, Vuosikerta. 11264, SPIE, San Francisco, Yhdysvallat, 3/02/20. <https://doi.org/10.1117/12.2548711>
- Habib, M, Briukhanova, D, Das, N, Yildiz, BC & Caglayan, H 2020, 'Controlling the plasmon resonance via epsilon-near-zero multilayer metamaterials', *Nanophotonics*, Vuosikerta. 9, Nro 11, 20200245. <https://doi.org/10.1515/nanoph-2020-0245>
- Ropo, M, Akola, J & Jones, RO 2017, 'Crystallization of supercooled liquid antimony: A density functional study', *Physical Review B*, Vuosikerta. 96, Nro 18, 184102. <https://doi.org/10.1103/PhysRevB.96.184102>
- Kalikka, J, Akola, J & Jones, RO 2016, 'Crystallization processes in the phase change material Ge₂ Sb₂ Te₅: Unbiased density functional/molecular dynamics simulations', *Physical Review B*, Vuosikerta. 94, Nro 13, 134105. <https://doi.org/10.1103/PhysRevB.94.134105>
- Nejadsattari, F, Zhang, Y, Jayakody, MN, Bouchard, F, Larocque, H, Sit, A, Fickler, R, Cohen, E & Karimi, E 2020, Cyclic quantum walks: Photonic realization and decoherence analysis. julkaisussa PR Hemmer, AL Migdall & ZU Hasan (toim), *Advanced Optical Techniques for Quantum Information, Sensing, and Metrology.*, 1129503, Proceedings of SPIE - The International Society for Optical Engineering, Vuosikerta. 11295, SPIE, San Francisco, Yhdysvallat, 4/02/20. <https://doi.org/10.1117/12.2546566>
- Vikholm-Lundin, I, Auer, S, Paakkunainen, M, Määttä, JAE, Munter, T, Leppiniemi, J, Hytönen, VP & Tappura, K 2012, 'Cysteine-tagged chimeric avidin forms high binding capacity layers directly on gold', *Sensors and Actuators B: Chemical*, Vuosikerta. 171-172, Sivut 440-448. <https://doi.org/10.1016/j.snb.2012.05.008>
- Pirkkalainen, H, Elovaara, J & Korpinen, L 2016, 'Decreasing the extremely low-frequency electric field exposure with a Faraday cage during work tasks from a man hoist at a 400 kV substation', *Progress In Electromagnetics Research M*, Vuosikerta. 48, Sivut 55-66.
- Edwards, TEJ, Di Gioacchino, F, Goodfellow, AJ, Mohanty, G, Wehrs, J, Michler, J & Clegg, WJ 2019, 'Deformation of lamellar γ -TiAl below the general yield stress', *Acta Materialia*, Vuosikerta. 163, Sivut 122-139. <https://doi.org/10.1016/j.actamat.2018.09.061>
- Saeidi, S, Rasekh, P, Awan, KM, Tüngen, A, Huttunen, MJ & Dolgaleva, K 2018, 'Demonstration of optical nonlinearity in InGaAsP/InP passive waveguides', *Optical Materials*, Vuosikerta. 84, Sivut 524-530. <https://doi.org/10.1016/j.optmat.2018.07.037>
- Voronin, VV, Marchuk, VI, Fisunov, AV, Tokareva, SV & Egiazarian, KO 2015, Depth map occlusion filling and scene reconstruction using modified exemplar-based inpainting. julkaisussa *Image Processing: Algorithms and Systems XIII.*, 93990S, SPIE Conference Proceedings, Vuosikerta. 9399, SPIE, IS&T/SPIE ELECTRONIC IMAGING / IMAGE PROCESSING: ALGORITHMS AND SYSTEMS, 1/01/00. <https://doi.org/10.1117/12.2076506>
- Yi, X, Cho, C, Cook, B, Wang, Y, Tentzeris, MM & Leon, RT 2013, Design and simulation of a slotted patch antenna sensor for wireless strain sensing. julkaisussa *Nondestructive Characterization for Composite Materials, Aerospace Engineering, Civil Infrastructure, and Homeland Security 2013*. Vuosikerta. 8694, 86941J, San Diego, CA, Yhdysvallat, 11/03/13. <https://doi.org/10.1117/12.2009233>
- Järvelä, J, Lyly, M, Stenvall, A, Juntunen, R, Souc, J & Mikkonen, R 2015, 'Design, fabrication, and testing of a low AC-loss conduction-cooled cryostat for magnetization loss measurement apparatus', *IEEE Transactions on Applied Superconductivity*, Vuosikerta. 25, Nro 1. <https://doi.org/10.1109/TASC.2014.2357754>
- Chen, X, He, H, Khan, Z, Sydänheimo, L, Ukkonen, L & Virkki, J 2019, Design, Fabrication, and Wireless Evaluation of a Passive 3D-printed Moisture Sensor on a Textile Substrate. julkaisussa *2019 Photonics and Electromagnetics Research Symposium - Spring, PIERS-Spring 2019 - Proceedings.*, 9017301, Progress in Electromagnetics Research Symposium,

Vuosikerta. 2019-June, IEEE, Sivut 1027-1030, Rome, Italia, 17/06/19. <https://doi.org/10.1109/PIERS-Spring46901.2019.9017301>

Bulu, I, Caglayan, H & Ozbay, E 2006, 'Designing materials with desired electromagnetic properties', *Microwave and Optical Technology Letters*, Vuosikerta. 48, Nro 12, Sivut 2611-2615. <https://doi.org/10.1002/mop.21988>

Lorin, C, Simon, D, Felice, H, Rifflet, JM, Salmi, T & Schoerling, D 2018, 'Design of a Nb₃Sn 400 T/m quadrupole for the Future Circular Collider', *IEEE Transactions on Applied Superconductivity*, Vuosikerta. 28, Nro 3, 4004905. <https://doi.org/10.1109/TASC.2018.2797945>

Vikholm-Lundin, I, Auer, S & Hellgren, AC 2011, 'Detection of 3,4-methylenedioxymethamphetamine (MDMA, ecstasy) by displacement of antibodies', *Sensors and Actuators B: Chemical*, Vuosikerta. 156, Nro 1, Sivut 28-34. <https://doi.org/10.1016/j.snb.2011.03.069>

Wang, D, Wang, Z, Yue, Y, Yu, J, Tan, C, Li, D, Qiu, R & Maple, C 2015, 'Determination of beam incidence conditions based on the analysis of laser interference patterns', *Optik*, Vuosikerta. 126, Nro 21, Sivut 2902-2907. <https://doi.org/10.1016/j.ijleo.2015.07.039>

Cuyon, L, Lesage, JC, Betrouni, N & Mordon, S 2012, 'Development of a new illumination procedure for photodynamic therapy of the abdominal cavity', *JOURNAL OF BIOMEDICAL OPTICS*, Vuosikerta. 17, Nro 3, 038001. <https://doi.org/10.1117/1.JBO.17.3.038001>

Pippola, J, Marttila, T & Frisk, L 2017, Development of dust test method for motor drives. julkaisussa *2017 IMAPS Nordic Conference on Microelectronics Packaging, NordPac 2017*. IEEE, Sivut 43-46, 1/01/00. <https://doi.org/10.1109/NORDPAC.2017.7993161>

Fang, CY, Vallini, F, Amili, AE, Tukiainen, A, Lyytikäinen, J, Guina, M & Fainman, Y 2018, Development of efficient electrically pumped nanolasers based on InAlGaAs tunnel junction. julkaisussa *CLEO: Science and Innovations, CLEO_SI 2018*. OSA - The Optical Society, CONFERENCE ON LASERS AND ELECTRO-OPTICS, 1/01/00. https://doi.org/10.1364/CLEO_SI.2018.SW4Q.4

Ferracin, P, Ambrosio, G, Anerella, M, Ballarino, A, Bajas, H, Bajko, M, Bordini, B, Bossert, R, Cheng, DW, Dietderich, DR, Chlachidze, G, Cooley, L, Felice, H, Ghosh, A, Hafalia, R, Holik, E, Izquierdo Bermudez, S, Fessia, P, Grosclaude, P, Guinchard, M, Juchno, M, Krave, S, Lackner, F, Marchevsky, M, Marinozzi, V, Nobrega, F, Oberli, L, Pan, H, Perez, JC, Prin, H, Rysti, J, Rochepault, E, Sabbi, G, Salmi, T, Schmalzle, J, Sorbi, M, Sequeira Tavares, S, Todesco, E, Wanderer, P, Wang, X & Yu, M 2016, 'Development of MQXF: The Nb₃Sn Low-β Quadrupole for the HiLumi LHC', *IEEE Transactions on Applied Superconductivity*, Vuosikerta. 26, Nro 4, 4000207. <https://doi.org/10.1109/TASC.2015.2510508>

Valkealahti, S & Manninen, M 1998, 'Diffusion on aluminum-cluster surfaces and the cluster growth', *Physical Review B - Condensed Matter and Materials Physics*, Vuosikerta. 57, Nro 24, Sivut 15533-15540. <https://doi.org/10.1103/PhysRevB.57.15533>

Giannoulis, G, Korpijärvi, VM, Iliadis, N, Mäkelä, J, Viheriälä, J, Apostolopoulos, D, Guina, M & Avramopoulos, H 2015, Dilute nitride SOAs for high-speed data processing in variable temperature conditions. julkaisussa *Optical Fiber Communication Conference, OFC 2015*. OSA - The Optical Society, Yhdysvallat, 1/01/00.

Aho, A, Isoaho, R, Tukiainen, A, Gori, G, Campesato, R & Guina, M 2018, 'Dilute nitride triple junction solar cells for space applications: Progress towards highest AM0 efficiency', *Progress in Photovoltaics: Research and Applications*, Vuosikerta. 26, Nro 19, Sivut 740-744. <https://doi.org/10.1002/pip.3011>

Perumbilavil, S, Piccardi, A, Kauranen, M & Assanto, G 2018, Directional random laser by combining cavity-less lasing and spatial solitons in liquid crystals. julkaisussa *Nonlinear Photonics, NP 2018*. Vuosikerta. Part F108-NP 2018, OSA - The Optical Society, Zurich, Sveitsi, 2/07/18. <https://doi.org/10.1364/NP.2018.NpW2C.4>

Cakmakyapan, S, Caglayan, H, Serebryannikov, A & Ozbay, E 2011, Directional selectivity through the subwavelength slit in metallic gratings. julkaisussa *2011 Conference on Lasers and Electro-Optics: Laser Science to Photonic Applications, CLEO 2011.*, 5951099, Baltimore, MD, Yhdysvallat, 1/05/11.

Kumpula, R, Vayrynen, J, Rantala, T & Aksela, S 1979, 'Direct measurement of vapour-metal shifts in photo- and Auger electron spectra of Zn and Cd', *Journal of physics c-Solid state physics*, Vuosikerta. 12, Nro 21, 001.
<https://doi.org/10.1088/0022-3719/12/21/001>

Hupa, L, Fagerlund, S, Massera, J & Björkvik, L 2016, 'Dissolution behavior of the bioactive glass S53P4 when sodium is replaced by potassium, and calcium with magnesium or strontium', *Journal of Non-Crystalline Solids*, Sivut 41-46.
<https://doi.org/10.1016/j.jnoncrysol.2015.03.026>

Isotalo, TJ & Niemi, T 2016, Dots-on-the-fly electron beam lithography. julkaisussa C Bencher (Toimittaja), *SPIE Proceedings: Alternative Lithographic Technologies VIII*. Vuosikerta. 9777, 97771E, Proceedings of SPIE, SPIE, 1/01/00.
<https://doi.org/10.1117/12.2219136>

Hallman, L, Ryvkin, BS, Avrutin, EA, Aho, AT, Viheriälä, J, Guina, M & Kostamovaara, JT 2019, Double-asymmetric-structure 1.5 μ m high power laser diodes. julkaisussa *Proceedings of the 2019 IEEE High Power Diode Lasers and Systems Conference, HPD 2019 - Co-located with Photonex 2019*. IEEE, Sivut 19-20, Coventry, Iso-Britannia, 9/10/19.
<https://doi.org/10.1109/HPD48113.2019.8938671>

Kahle, H, Phung, H-M, Penttinen, J-P, Rajala, P, Tukiainen, A, Ranta, S & Guina, M 2019, Double-side pumped membrane external-cavity surface-emitting laser (MECSEL) with increased efficiency emitting > 3 W in the 780 nm region . julkaisussa *2019 Conference on Lasers and Electro-Optics, CLEO 2019 - Proceedings*. IEEE, San Jose, Yhdysvallat, 5/05/19. <https://doi.org/10.23919/CLEO.2019.8749958>

Stoykova, E, Nazarova, D, Berberova, N, Gotchev, A, Ivanov, B & Mateev, G 2017, Dynamic laser speckle metrology with binarization of speckle patterns. julkaisussa *19th International Conference and School on Quantum Electronics: Laser Physics and Applications.*, 102260R, Proceedings of SPIE, Vuosikerta. 10226, SPIE, 1/01/00.
<https://doi.org/10.1117/12.2262330>

Sitbon, M, Leppäaho, J, Suntio, T & Kuperman, A 2015, 'Dynamics of photovoltaic-generator-interfacing voltage-controlled buck power stage', *IEEE Journal of Photovoltaics*, Vuosikerta. 5, Nro 2, Sivut 633-640.
<https://doi.org/10.1109/JPHOTOV.2014.2379094>

Stoykova, E, Berberova, N, Kim, Y, Nazarova, D, Ivanov, B, Gotchev, A, Hong, J & Kang, H 2017, 'Dynamic speckle analysis with smoothed intensity-based activity maps', *Optics and Lasers in Engineering*, Vuosikerta. 93, Sivut 55-65.
<https://doi.org/10.1016/j.optlaseng.2017.01.012>

Mehmood, A, Chen, X, He, H, Ukkonen, L & Virkki, J 2019, Eco-friendly flexible wireless platforms by 3D printing pen. julkaisussa *2019 Photonics and Electromagnetics Research Symposium - Fall, PIERS - Fall 2019 - Proceedings.*, 9021887, 2019 Photonics and Electromagnetics Research Symposium - Fall, PIERS - Fall 2019 - Proceedings, IEEE, Sivut 2422-2425, Xiamen, Kiina, 17/12/19. <https://doi.org/10.1109/PIERS-Fall48861.2019.9021887>

Mostofizadeh, M, Najari, M, Das, D, Pecht, M & Frisk, L 2016, Effect of Epoxy Flux Underfill on Thermal Cycling Reliability of Sn-8Zn-3Bi Lead-Free Solder in a Sensor Application. julkaisussa *Proceedings - ECTC 2016: 66th Electronic Components and Technology Conference*. IEEE, Sivut 2169-2175, Yhdysvallat, 1/01/00.
<https://doi.org/10.1109/ECTC.2016.209>

Ojha, N, Bogdan, M, Galatus, R & Petit, L 2020, 'Effect of heat-treatment on the upconversion of NaYF₄:Yb³⁺, Er³⁺ nanocrystals containing silver phosphate glass', *Journal of Non-Crystalline Solids*, Vuosikerta. 544, 120243.
<https://doi.org/10.1016/j.jnoncrysol.2020.120243>

Hakola, H, Sariola-Leikas, E, Efimov, A & Tkachenko, NV 2016, 'Effect of Hole Transporting Material on Charge Transfer Processes in Zinc Phthalocyanine Sensitized ZnO Nanorods', *Journal of Physical Chemistry C*, Vuosikerta. 120, Nro 13, Sivut 7044-7051. <https://doi.org/10.1021/acs.jpcc.6b01583>

Sharma, R, Bhalerao, S & Gupta, D 2016, 'Effect of incorporation of CdS NPs on performance of PTB7: PCBM organic solar cells', *Organic Electronics: physics, materials, applications*, Vuosikerta. 33, Sivut 274-280. <https://doi.org/10.1016/j.orgel.2016.03.030>

Kapgate, BP, Das, C, Das, A, Basu, D, Reuter, U & Heinrich, G 2012, 'Effect of sol-gel derived in situ silica on the morphology and mechanical behavior of natural rubber and acrylonitrile butadiene rubber blends', *JOURNAL OF SOL-GEL SCIENCE AND TECHNOLOGY*, Vuosikerta. 63, Nro 3, Sivut 501-509. <https://doi.org/10.1007/s10971-012-2812-9>

Lopez-Iscoa, P, Petit, L, Massera, J, Janner, D, Boetti, NG, Pugliese, D, Fiorilli, S, Novara, C, Giorgis, F & Milanese, D 2017, 'Effect of the addition of Al₂O₃, TiO₂ and ZnO on the thermal, structural and luminescence properties of Er³⁺-doped phosphate glasses', *Journal of Non-Crystalline Solids*, Vuosikerta. 460, Sivut 161-168. <https://doi.org/10.1016/j.jnoncrysol.2017.01.030>

Massera, J, Gaussiran, M, Gluchowski, P, Lastusaari, M, Petit, L, Hölsä, J & Hupa, L 2016, 'Effect of the glass melting condition on the processing of phosphate-based glass-ceramics with persistent luminescence properties', *Optical Materials*, Vuosikerta. 52, Sivut 56-61. <https://doi.org/10.1016/j.optmat.2015.12.006>

Pavelescu, E-M, Polojärvi, V, Schramm, A, Tukiainen, A, Aho, A, Zhang, W, Puustinen, J, Salmi, J & Guina, M 2016, 'Effects of insertion of strain-engineering Ga(In)NAs layers on optical properties of InAs/GaAs quantum dots for high-efficiency solar cells', *Optical Materials*, Vuosikerta. 52, Sivut 177-180. <https://doi.org/10.1016/j.optmat.2015.12.035>

Mäkelä, J, Tuominen, M, Yasir, M, Polojärvi, V, Aho, A, Tukiainen, A, Kuzmin, M, Punkkinen, MPJ, Laukkanen, P, Kokko, K & Guina, M 2015, 'Effects of thinning and heating for TiO₂/AlInP junctions', *Journal of Electron Spectroscopy and Related Phenomena*, Vuosikerta. 205, Sivut 6-9. <https://doi.org/10.1016/j.elspec.2015.08.004>

Durandin, NA, Isokuortti, J, Efimov, A, Vuorimaa-Laukkanen, E, Tkachenko, NV & Laaksonen, T 2018, 'Efficient photon upconversion at remarkably low annihilator concentrations in a liquid polymer matrix: when less is more', *Chemical Communications*, Vuosikerta. 54, Nro 99, Sivut 14029-14032. <https://doi.org/10.1039/c8cc07592a>

Khorramdel, B, Torkkeli, A & Mäntysalo, M 2017, 'Electrical Contacts in SOI MEMS Using Aerosol Jet Printing', *IEEE Journal of the Electron Devices Society*, Vuosikerta. 6, Sivut 34-40. <https://doi.org/10.1109/JEDS.2017.2764498>

Donmez, O, Aydin, M, Ardali, Yildirim, S, Tiraş, E, Nutku, F, Cetinkaya, C, okduygulular, E, Puustinen, J, Hilska, J, Guina, M & Erol, A 2020, 'Electronic transport in n-type modulation-doped AlGaAs/GaAsBi quantum well structures: Influence of Bi and thermal annealing on electron effective mass and electron mobility', *Semiconductor Science and Technology*, Vuosikerta. 35, Nro 2, 025009. <https://doi.org/10.1088/1361-6641/ab5d8d>

Assanto, G, Piccardi, A, Barboza, R & Alberucci, A 2012, 'Electro-optic steering of nematicons', *Photonics Letters of Poland*, Vuosikerta. 4, Nro 1, Sivut 2-4. <https://doi.org/10.4302/plp.2012.1.02>

Assanto, G, Perumbilavil, S, Piccardi, A & Kauranen, M 2018, 'Electro-optic steering of random laser emission in liquid crystals', *Photonics Letters of Poland*, Vuosikerta. 10, Nro 4, Sivut 103-105. <https://doi.org/10.4302/plp.v10i4.852>

Lepcha, A, Maccato, C, Mettenbörger, A, Andreu, T, Mayrhofer, L, Walter, M, Olthof, S, Ruoko, TP, Klein, A, Moseler, M, Meerholz, K, Morante, JR, Barreca, D & Mathur, S 2015, 'Electrospun Black Titania Nanofibers: Influence of Hydrogen Plasma-Induced Disorder on the Electronic Structure and Photoelectrochemical Performance', *Journal of Physical Chemistry C*, Vuosikerta. 119, Nro 33, Sivut 18835-18842. <https://doi.org/10.1021/acs.jpcc.5b02767>

Khan, Z, He, H, Chen, X, Ukkonen, L & Virkki, J 2019, Embroidered and e-textile conductors embedded inside 3D-printed structures. julkaisussa *2019 Photonics and Electromagnetics Research Symposium - Fall, PIERS - Fall 2019 - Proceedings.*, 9021681, IEEE, Sivut 1675-1680, Xiamen, Kiina, 17/12/19. <https://doi.org/10.1109/PIERS-Fall48861.2019.9021681>

- Salmi, T & Schoerling, D 2019, 'Energy density-method: An approach for a quick estimation of quench temperatures in high-field accelerator magnets', *IEEE Transactions on Applied Superconductivity*, Vuosikerta. 29, Nro 4. <https://doi.org/10.1109/TASC.2018.2880340>
- Minarelli, EL, Poyhönen, K, Van Dalum, GAR, Ojanen, T & Fritz, L 2019, 'Engineering of Chern insulators and circuits of topological edge states', *Physical Review B*, Vuosikerta. 99, Nro 16, 165413. <https://doi.org/10.1103/PhysRevB.99.165413>
- Le, T, Lin, Z, Wong, CP & Tentzeris, MM 2014, Enhanced-performance wireless conformal "smart skins" utilizing inkjet-printed carbon-nanostructures. julkaisussa *Proceedings - Electronic Components and Technology Conference.*, 6897372, Institute of Electrical and Electronics Engineers Inc., Sivut 769-774, Orlando, Yhdysvallat, 27/05/14. <https://doi.org/10.1109/ECTC.2014.6897372>
- Tamminen, P, Viheriäkoski, T, Sydänheimo, L & Ukkonen, L 2015, 'ESD qualification data used as the basis for building electrostatic discharge protected areas', *Journal of Electrostatics*, Vuosikerta. 77, 3024, Sivut 174-181. <https://doi.org/10.1016/j.elstat.2015.08.009>
- Poutala, A, Kovanen, T & Kettunen, L 2018, 'Essential Measurements for Finite Element Simulations of Magnetostrictive Materials', *IEEE Transactions on Magnetics*, Vuosikerta. 54, Nro 1, 7200107. <https://doi.org/10.1109/TMAG.2017.2766599>
- Farooq, A, Evreinov, G, Raisamo, R & Takahata, D 2015, Evaluating transparent liquid screen overlay as a haptic conductor: Method of enhancing touchscreen based user interaction by a transparent deformable liquid screen overlay. julkaisussa *2015 IEEE SENSORS - Proceedings.*, 7370186, Institute of Electrical and Electronics Engineers Inc., Busan, Etelä-Korea, 1/11/15. <https://doi.org/10.1109/ICSENS.2015.7370186>
- Mashayekhi, M, Winchester, L, Evans, L, Pease, T, Laurila, M-M, Mäntysalo, M, Ogier, S, Teres, L & Carrabina, J 2016, 'Evaluation of Aerosol, Superfine Inkjet, and Photolithography Printing Techniques for Metallization of Application Specific Printed Electronic Circuits', *IEEE Transactions on Electron Devices*, Vuosikerta. 63, Nro 3, Sivut 1246-1253. <https://doi.org/10.1109/TED.2016.2522388>
- Kanerva, U, Suhonen, T, Lagerbom, J & Levänen, E 2015, 'Evaluation of crushing strength of spray-dried MgAl₂O₄ granule beds', *Ceramics International*, Vuosikerta. 41, Nro 7, Sivut 8494-8500. <https://doi.org/10.1016/j.ceramint.2015.03.056>
- Mikkonen, R & Mäntysalo, M 2018, 'Evaluation of screen printed silver trace performance and long-term reliability against environmental stress on a low surface energy substrate', *Microelectronics Reliability*, Vuosikerta. 86, Sivut 54-65. <https://doi.org/10.1016/j.microrel.2018.05.010>
- Prando, GA, Orsi Gordo, V, Puustinen, J, Hilska, J, Alghamdi, HM, Som, G, Gunes, M, Akyol, M, Souto, S, Rodrigues, AD, Galeti, HVA, Henini, M, Gobato, YG & Guina, M 2018, 'Exciton localization and structural disorder of GaAs_{1-x}Bi_x/GaAs quantum wells grown by molecular beam epitaxy on (311)B GaAs substrates', *Semiconductor Science and Technology*, Vuosikerta. 33, Nro 8, 084002. <https://doi.org/10.1088/1361-6641/aad02e>
- Nejadsattari, F, Zhang, Y, Bouchard, F, Larocque, H, Sit, A, Cohen, E, Fickler, R & Karimi, E 2019, 'Experimental realization of wave-packet dynamics in cyclic quantum walks', *Optica*, Vuosikerta. 6, Nro 2, Sivut 174-180. <https://doi.org/10.1364/OPTICA.6.000174>
- Lorin, C, Fleiter, J, Salmi, T & Schoerling, D 2019, 'Exploration of Two Layer Nb₃Sn Designs of the Future Circular Collider Main Quadrupoles', *IEEE Transactions on Applied Superconductivity*, Vuosikerta. 29, Nro 5, 4001005. <https://doi.org/10.1109/TASC.2019.2892814>
- Zia, N, Viheriälä, J, Koskinen, R, Koskinen, M, Suomalainen, S & Guina, M 2016, Fabrication and characterization of broadband superluminescent diodes for 2 μm wavelength. julkaisussa *Light-Emitting Diodes: Materials, Devices, and Applications for Solid State Lighting XX.*, 97680Q, Proceedings of SPIE, Vuosikerta. 9768, SPIE, 1/01/00. <https://doi.org/10.1117/12.2209720>

He, H, Akbari, M, Chen, X, Nommeets-Nomm, A, Chen, L, Ukkonen, L & Virkki, J 2017, Fabrication and performance evaluation of 3D-printed graphene passive UHF RFID tags on cardboard. julkaisussa *2017 Progress in Electromagnetics Research Symposium - Spring, PIERS 2017*. IEEE, Sivut 3322-3325, PROGRESS IN ELECTROMAGNETICS RESEARCH SYMPOSIUM, 1/01/00. <https://doi.org/10.1109/PIERS.2017.8262330>

Chen, X, He, H, Ukkonen, L, Virkki, J, Lu, Y & Lam, H 2018, Fabrication and reliability evaluation of passive UHF RFID T-shirts. julkaisussa *2018 IEEE International Workshop on Antenna Technology, iWAT2018 - Proceedings*. IEEE, Sivut 1-4, 1/01/00. <https://doi.org/10.1109/IWAT.2018.8379146>

Khan, Z, He, H, Chen, X, Ukkonen, L & Virkki, J 2019, Fabrication Challenges in Embedding of Components and Embroidered Conductors into 3D-printed Textile Electronics Structures. julkaisussa *2019 Photonics and Electromagnetics Research Symposium - Spring, PIERS-Spring 2019 - Proceedings*. 9017223, Progress in Electromagnetics Research Symposium, Vuosikerta. 2019-June, IEEE, Sivut 1372-1377, Rome, Italia, 17/06/19. <https://doi.org/10.1109/PIERS-Spring46901.2019.9017223>

Khan, MN & Zharnikov, M 2013, 'Fabrication of ssDNA/Oligo(ethylene glycol) monolayers and patterns by exchange reaction promoted by ultraviolet light irradiation', *Journal of Physical Chemistry C*, Vuosikerta. 117, Nro 47, Sivut 24883-24893. <https://doi.org/10.1021/jp408819k>

Khan, MN & Zharnikov, M 2014, 'Fabrication of ssDNA/oligo(ethylene glycol) monolayers by promoted exchange reaction with thiol and disulfide substituents', *Journal of Physical Chemistry C*, Vuosikerta. 118, Nro 6, Sivut 3093-3101. <https://doi.org/10.1021/jp411353f>

Kulya, MS, Katkovnik, VY, Egiazarian, K & Petrov, NV 2020, 'Features of correlation measurements of the parameters of pulsed hyperspectral optical fields using an asymmetric interferometer', *Quantum Electronics*, Vuosikerta. 50, Nro 7, Sivut 679-682. <https://doi.org/10.1070/QEL17292>

Fonteyn, K, Belahcen, A, Kouhia, R, Rasilo, P & Arkkio, A 2010, 'FEM for directly coupled magneto-mechanical phenomena in electrical machines', *IEEE Transactions on Magnetics*, Vuosikerta. 46, Nro 8, Sivut 2923-2926. <https://doi.org/10.1109/TMAG.2010.2044148>

Ahmed, U, Harju, J, Poutala, J, Ruuskanen, P, Rasilo, P & Kouhia, R 2017, 'Finite element method incorporating coupled magneto-elastic model for magneto-mechanical energy harvester' Artikkelisi esitetty, Daejeon, Pohjois-Korea, 18/06/17 - 22/06/17, .

Kirby, GA, Van Nugteren, J, Bajas, H, Benda, V, Ballarino, A, Bajko, M, Bottura, L, Broekens, K, Canale, M, Chiuchiolo, A, Gentini, L, Peray, N, Perez, JC, De Rijk, G, Rijllart, A, Rossi, L, Murtomaeki, J, Mazet, J, Pincot, FO, Volpini, G, Durante, M, Fazilleau, P, Lorin, C, Stenvall, A, Goldacker, W, Kario, A & Usoskin, A 2017, 'First Cold Powering Test of REBCO Roebel Wound Coil for the EuCARD2 Future Magnet Development Project', *IEEE Transactions on Applied Superconductivity*, Vuosikerta. 27, Nro 4, 4003307. <https://doi.org/10.1109/TASC.2017.2653204>

Dongho-Nguimdo, GM, Igumbor, E, Zambou, S & Joubert, DP 2019, 'First principles prediction of the solar cell efficiency of chalcopyrite materials AgMX_2 (M=In, Al; X=S, Se, Te)', *Computational Condensed Matter*, Vuosikerta. 21, e00391. <https://doi.org/10.1016/j.cocom.2019.e00391>

Kulju, S, Riegger, L, Koltay, P, Mattila, K & Hyväluoma, J 2018, 'Fluid flow simulations meet high-speed video: Computer vision comparison of droplet dynamics', *Journal of Colloid and Interface Science*, Vuosikerta. 522, Sivut 48-56. <https://doi.org/10.1016/j.jcis.2018.03.053>

Yadav, A, Chichkov, NB, Gumenyuk, R, Zherebtsov, E, Melkumov, MA, Yashkov, MV, Dianov, EM & Rafailov, EU 2018, Fluorescence bandwidth of 280nm from broadband Ce^{3+} -doped silica fiber pumped with blue laser diode. julkaisussa *2018 International Conference Laser Optics (ICLO)* ., 8435861, IEEE, Sivut 133-133, St. Petersburg, Venäjä, 4/06/18. <https://doi.org/10.1109/LO.2018.8435861>

Välimäki, H, Verho, J, Kreutzer, J, Kattiparambil Rajan, D, Ryyänen, T, Pekkanen-Mattila, M, Ahola, A, Tappura, K, Kallio, P & Lekkala, J 2017, 'Fluorimetric oxygen sensor with an efficient optical read-out for in vitro cell models', *Sensors and Actuators B: Chemical*, Vuosikerta. 249, Sivut 738-746. <https://doi.org/10.1016/j.snb.2017.04.182>

Abdallah, Z, Stefszky, M, Ulvila, V, Silberhorn, C & Vainio, M 2019, Frequency Comb Generation in a Continuous-Wave Pumped Second-Order Nonlinear Waveguide Resonator. julkaisussa *2019 Conference on Lasers and Electro-Optics, CLEO 2019 - Proceedings*. IEEE, San Jose, Yhdysvallat, 5/05/19. <https://doi.org/10.23919/CLEO.2019.8750403>

Kantola, E, Penttinen, J-P, Leinonen, T, Ranta, S & Guina, M 2018, Frequency-doubled VECSEL employing a Volume Bragg Grating for linewidth narrowing. julkaisussa *CLEO: Applications and Technology, CLEO_AT 2018*. OSA - The Optical Society, CONFERENCE ON LASERS AND ELECTRO-OPTICS, 1/01/00. https://doi.org/10.1364/CLEO_AT.2018.JTu2A.17

Kantola, E, Leinonen, T, Rantamäki, A, Guina, M, Sirbu, A & Iakovlev, V 2018, Frequency-doubled wafer-fused 638 nm VECSEL with an output power of 5.6 W. julkaisussa *CLEO: Applications and Technology, CLEO_AT 2018*. OSA - The Optical Society, CONFERENCE ON LASERS AND ELECTRO-OPTICS, 1/01/00. https://doi.org/10.1364/CLEO_AT.2018.JTu2A.10

Zolotovskii, IO, Korobko, DA & Okhotnikov, OG 2015, 'Frequency modulation of semiconductor disk laser pulses', *Quantum Electronics*, Vuosikerta. 45, Nro 7, Sivut 628-634. <https://doi.org/10.1070/QE2015v045n07ABEH015670>

Fickler, R, Bouchard, F, Giese, E, Grillo, V, Leuchs, G & Karimi, E 2020, 'Full-field mode sorter using two optimized phase transformations for high-dimensional quantum cryptography', *Journal of Optics (United Kingdom)*, Vuosikerta. 22, Nro 2, 024001. <https://doi.org/10.1088/2040-8986/ab6303>

Guandalini, A, Rozzi, CA, Räsänen, E & Pittalis, S 2019, 'Fundamental gaps of quantum dots on the cheap', *Physical Review B*, Vuosikerta. 99, Nro 12, 125140. <https://doi.org/10.1103/PhysRevB.99.125140>

Kurka, M, Dyksik, M, Suomalainen, S, Koivusalo, E, Guina, M & Motyka, M 2019, 'GaInAsSb/AlGa(In)AsSb type I quantum wells emitting in 3µm range for application in superluminescent diodes', *Optical Materials*, Vuosikerta. 91, Sivut 274-278. <https://doi.org/10.1016/j.optmat.2019.03.036>

Räsänen, V, Suuriniemi, S & Kettunen, L 2016, 'Generalized slip transformations and air-gap harmonics in field models of electrical machines', *IEEE Transactions on Magnetics*, Vuosikerta. 52, Nro 9, 8107708. <https://doi.org/10.1109/TMAG.2016.2561907>

Zolotovskii, IO, Korobko, DA, Okhotnikov, OG, Stolyarov, DA & Sysolyatin, AA 2015, 'Generation of a broad IR spectrum and N-soliton compression in a longitudinally inhomogeneous dispersion-shifted fibre', *Quantum Electronics*, Vuosikerta. 45, Nro 9, Sivut 844-852. <https://doi.org/10.1070/QE2015v045n09ABEH015690>

Zolotovskii, IO, Korobko, DA, Gumenyuk, RV & Okhotnikov, OG 2015, 'Generation of bound states of pulses in a soliton laser with complex relaxation of a saturable absorber', *Quantum Electronics*, Vuosikerta. 45, Nro 1, Sivut 26-34. <https://doi.org/10.1070/QE2015v045n01ABEH015558>

Nikkinen, J, Härkönen, A, Leino, I & Guina, M 2017, 'Generation of Sub-100 ps Pulses at 532, 355, and 266 nm Using a SESAM Q-Switched Microchip Laser', *IEEE Photonics Technology Letters*, Vuosikerta. 29, Nro 21, Sivut 1816-1819. <https://doi.org/10.1109/LPT.2017.2752421>

Goh, J-Q, Akola, J & Ferrando, R 2017, 'Geometric Structure and Chemical Ordering of Large AuCu Clusters: A Computational Study', *Journal of Physical Chemistry C*, Vuosikerta. 121, Nro 20, Sivut 10809-10816. <https://doi.org/10.1021/acs.jpcc.6b11958>

- Mosallaei, M, Jokinen, J, Honkanen, M, Iso-Ketola, P, Vippola, M, Vanhala, J, Kanerva, M & Mantysalo, M 2018, 'Geometry Analysis in Screen-Printed Stretchable Interconnects', *IEEE Transactions on Components, Packaging and Manufacturing Technology*, Vuosikerta. 8, Nro 8, Sivut 1344-1352. <https://doi.org/10.1109/TCPMT.2018.2854635>
- Sorianello, V, Colace, L, Maragliano, C, Fulgoni, D, Nash, L & Assanto, G 2013, 'Germanium-on-glass solar cells: Fabrication and characterization', *Optical Materials Express*, Vuosikerta. 3, Nro 2, Sivut 216-228. <https://doi.org/10.1364/OME.3.000216>
- Colace, L, Sorianello, V, Maragliano, C, Assanto, G, Fulgoni, D, Nash, L & Palmer, M 2011, Germanium-on-glass solar cells. julkaisussa *8th IEEE International Conference on Group IV Photonics, GFP 2011.*, 6053781, Sivut 255-257, London, Iso-Britannia, 14/09/11. <https://doi.org/10.1109/GROUP4.2011.6053781>
- Ryczkowski, P, Barbier, M, Friberg, AT, Dudley, JM & Genty, G 2016, 'Ghost imaging in the time domain', *Nature Photonics*, Nro 10, Sivut 167-170. <https://doi.org/10.1038/nphoton.2015.274>
- Nieminen, A, Marini, A & Ornigotti, M 2020, 'Goos-Hänchen and Imbert-Fedorov shifts for epsilon-near-zero materials', *Journal of Optics*, Vuosikerta. 22, Nro 3, 035601. <https://doi.org/10.1088/2040-8986/ab6ae7>
- Habib, M, Rashed, AR, Ozbay, E & Caglayan, H 2018, 'Graphene-based tunable plasmon induced transparency in gold strips', *Optical Materials Express*, Vuosikerta. 8, Nro 4, Sivut 1069-1074. <https://doi.org/10.1364/OME.8.001069>
- Ledentsov, NN, Shchukin, VA, Lyytikäinen, J, Okhotnikov, O, Cherkashin, NA, Shernyakov, YM, Payusov, AS, Gordeev, NY, Maximov, MV, Schlichting, S, Nippert, F & Hoffmann, A 2015, Green (In,Ga,Al)P-GaP light-emitting diodes grown on high-index GaAs surfaces. julkaisussa *Proceedings of SPIE: Light-Emitting Diodes: Materials, Devices, and Applications for Solid State Lighting XIX*. Vuosikerta. 9383, 93830E, SPIE, San Francisco, Yhdysvallat, 10/02/15. <https://doi.org/10.1117/12.2083953>
- Leinonen, T, Penttinen, JP, Korpjärvi, VM, Kantola, E & Guina, M 2015, >8W GaInNAs VECSEL emitting at 615 nm. julkaisussa *Proceedings of SPIE: Vertical External Cavity Surface Emitting Lasers (VECSELs) V*. Vuosikerta. 9349, 934909, SPIE, Iso-Britannia, 1/01/15. <https://doi.org/10.1117/12.2079162>
- Kotilainen, M, Krumpolec, R, Franta, D, Souček, P, Homola, T, Cameron, DC & Vuoristo, P 2017, 'Hafnium oxide thin films as a barrier against copper diffusion in solar absorbers', *Solar Energy Materials and Solar Cells*, Vuosikerta. 166, Sivut 140-146. <https://doi.org/10.1016/j.solmat.2017.02.033>
- Saccone, M, Siiskonen, A, Fernandez-Palacio, F, Priimägi, A, Terraneo, G, Resnati, G & Metrangolo, P 2017, 'Halogen bonding stabilizes a cis-azobenzene derivative in the solid state: A crystallographic study', *ACTA CRYSTALLOGRAPHICA SECTION B: STRUCTURAL SCIENCE, CRYSTAL ENGINEERING AND MATERIALS*, Vuosikerta. 73, Nro 2, Sivut 227-233. <https://doi.org/10.1107/S2052520617003444>
- Priimägi, A, Cavallo, G, Forni, A, Gorynsztejn-Leben, M, Kaivola, M, Metrangolo, P, Milani, R, Shishido, A, Pilati, T, Resnati, G & Terraneo, G 2012, 'Halogen bonding versus hydrogen bonding in driving self-assembly and performance of light-responsive supramolecular polymers', *Advanced Functional Materials*, Vuosikerta. 22, Nro 12, Sivut 2572-2579. <https://doi.org/10.1002/adfm.201200135>
- Korobko, DA, Stoliarov, DA, Itrin, PA, Odnoblyudov, MA, Petrov, AB & Gumenyuk, RV 2020, 'Harmonic mode-locking fiber ring laser with a pulse repetition rate up to 12 GHz', *Optics and laser technology*, Vuosikerta. 133, 106526. <https://doi.org/10.1016/j.optlastec.2020.106526>
- Tofanello, A, Freitas, ALM, Carvalho, WM, Salminen, T, Niemi, T & Souza, FL 2020, 'Hematite Surface Modification toward Efficient Sunlight-Driven Water Splitting Activity: The Role of Gold Nanoparticle Addition', *Journal of Physical Chemistry C*. <https://doi.org/10.1021/acs.jpcc.9b11966>

- Brandt, F, Hiekkamäki, M, Bouchard, F, Huber, M & Fickler, R 2020, 'High-dimensional quantum gates using full-field spatial modes of photons', *Optica*, Vuosikerta. 7, Nro 2, Sivut 98-107. <https://doi.org/10.1364/OPTICA.375875>
- Hannula, M, Ali-Löytty, H, Lahtonen, K, Saari, J, Tukiainen, A & Valden, M 2019, 'Highly efficient charge separation in model Z-scheme $\text{TiO}_2/\text{TiSi}_2/\text{Si}$ photoanode by micropatterned titanium silicide interlayer', *Acta Materialia*, Vuosikerta. 174, Sivut 237-245. <https://doi.org/10.1016/j.actamat.2019.05.032>
- Mateos, X, Loiko, P, Lamrini, S, Scholle, K, Fuhrberg, P, Suomalainen, S, Härkönen, A, Guina, M, Vatinik, S, Vedin, I, Aguiló, M, Díaz, F, Wang, Y, Griebner, U & Petrov, V 2018, Highly-efficient Ho:KY(WO₄)₂ thin-disk lasers at 2.06 μm . julkaisussa *Pacific-Rim Laser Damage 2018: Optical Materials for High-Power Lasers.*, 107130J, Proceedings of SPIE, Vuosikerta. 10713, SPIE, IEEE, Yokohama, Japani, 24/04/18. <https://doi.org/10.1117/12.2316822>
- Pajukoski, H, Näkki, J, Thieme, S, Tuominen, J, Nowotny, S & Vuoristo, P 2016, 'High performance corrosion resistant coatings by novel coaxial cold- and hot-wire laser cladding methods', *Journal of Laser Applications*, Vuosikerta. 28, Nro 1, 012011. <https://doi.org/10.2351/1.4936988>
- Zia, N, Viheriälä, J, Koivusalo, E, Aho, A, Suomalainen, S & Guina, M 2018, High performance GaSb superluminescent diodes for tunable light source at 2 μm and 2.55 μm . julkaisussa *CLEO: Applications and Technology, CLEO_AT 2018*. OSA - The Optical Society, CONFERENCE ON LASERS AND ELECTRO-OPTICS, 1/01/00. https://doi.org/10.1364/CLEO_AT.2018.JTu2A.28
- Viheriälä, J, Aho, AT, Mäkelä, J, Salmi, J, Virtanen, H, Leinonen, T, Dumitrescu, M & Guina, M 2016, High-power 1550 nm tapered DBR lasers fabricated using soft UV-nanoimprint lithography. julkaisussa *High-Power Diode Laser Technology and Applications XIV.*, 97330Q, SPIE Conference Proceedings, Vuosikerta. 9733, SPIE, San Francisco, Yhdysvallat, 15/02/16. <https://doi.org/10.1117/12.2207423>
- Aho, AT, Viheriälä, J, Koskinen, M, Uusitalo, T, Reuna, J & Guina, M 2020, 'High-Power 1.5 μm Tapered Distributed Bragg Reflector Laser Diodes for Eye-Safe LIDAR', *IEEE Photonics Technology Letters*, Vuosikerta. 32, Nro 19, Sivut 1249-1252. <https://doi.org/10.1109/LPT.2020.3019845>
- Saad-Bin-Alam, M, Reshef, O, Huttunen, MJ, Carlow, G, Sullivan, B, Menard, JM, Dolgaleva, K & Boyd, RW 2019, High-Q resonance train in a plasmonic metasurface. julkaisussa *2019 Conference on Lasers and Electro-Optics, CLEO 2019 - Proceedings*. IEEE, San Jose, Yhdysvallat, 5/05/19. <https://doi.org/10.23919/CLEO.2019.8750206>
- Mojica, E, Pertuz, S & Arguello, H 2017, 'High-resolution coded-aperture design for compressive X-ray tomography using low resolution detectors', *Optics Communications*, Vuosikerta. 404, Sivut 103-109. <https://doi.org/10.1016/j.optcom.2017.06.053>
- Moirangthem, M, Stumpel, JE, Alp, B, Teunissen, P, Bastiaansen, CWM & Schenning, APHJ 2016, Hot pen and laser writable photonic polymer films. julkaisussa *Emerging Liquid Crystal Technologies XI*. Vuosikerta. 9769, 97690Y, SPIE, San Francisco, Yhdysvallat, 16/02/16. <https://doi.org/10.1117/12.2209065>
- Härö, E, Stenvall, A, Van Nugteren, J & Kirby, G 2015, 'Hot spot temperature in an HTS Coil: Simulations with MIITs and finite element method', *IEEE Transactions on Applied Superconductivity*, Vuosikerta. 25, Nro 2. <https://doi.org/10.1109/TASC.2015.2396945>
- Passananti, M, Zapadinsky, E, Zanca, T, Kangasluoma, J, Myllys, N, Rissanen, MP, Kurtén, T, Ehn, M, Attoui, M & Vehkamäki, H 2019, 'How well can we predict cluster fragmentation inside a mass spectrometer?', *Chemical Communications*, Vuosikerta. 55, Nro 42, Sivut 5946-5949. <https://doi.org/10.1039/c9cc02896j>
- Shevkunov, I, Katkovnik, V, Claus, D, Pedrini, G, Petrov, NV & Egiazarian, K 2020, 'Hyperspectral phase imaging based on denoising in complex-valued eigensubspace', *Optics and Lasers in Engineering*, Vuosikerta. 127, 105973. <https://doi.org/10.1016/j.optlaseng.2019.105973>

- Murtomäki, JS, van Nugteren, J, Kirby, G, DeRijk, G, Rossi, L & Stenvall, A 2018, 'ICED - Inductively Coupled Energy Dissipater for Future High Field Accelerator Magnets', *IEEE Transactions on Applied Superconductivity*, Vuosikerta. 28, Nro 8, 4009015. <https://doi.org/10.1109/TASC.2018.2841909>
- Rasilo, P, Abdallah, AAE, Belahcen, A, Arkkio, A & Dupré, L 2015, 'Identification of synchronous machine magnetization characteristics from calorimetric core-loss and no-load curve measurements', *IEEE Transactions on Magnetics*, Vuosikerta. 51, Nro 3, 2001304. <https://doi.org/10.1109/TMAG.2014.2354055>
- Rasilo, P, Belahcen, A & Arkkio, A 2012, 'Importance of iron-loss modeling in simulation of wound-field synchronous machines', *IEEE Transactions on Magnetics*, Vuosikerta. 48, Nro 9, Sivut 2495-2504. <https://doi.org/10.1109/TMAG.2012.2195190>
- Mosallaei, M, Di Vito, D, Khorramdel, B & Mäntysalo, M 2020, 'Improvements in the electromechanical properties of stretchable interconnects by locally tuning the stiffness', *Flexible and Printed Electronics*, Vuosikerta. 5, Nro 1, 015004. <https://doi.org/10.1088/2058-8585/ab68ae>
- Polojärvi, V, Aho, A, Tukiainen, A, Raappana, M, Aho, T, Schramm, A & Guina, M 2016, 'Influence of As/group-III flux ratio on defects formation and photovoltaic performance of GaInNAs solar cells', *Solar Energy Materials and Solar Cells*, Vuosikerta. 149, Sivut 213-220. <https://doi.org/10.1016/j.solmat.2016.01.024>
- Okun, O, Kravchenko, Y & Korpinen, L 2016, 'Influence of environmental conditions on EMF levels in a span of overhead transmission lines', *Progress in Electromagnetics Research C*, Vuosikerta. 63, Sivut 163-171. <https://doi.org/10.2528/PIERC16021106>
- Kotilainen, M, Honkanen, M, Mizohata, K & Vuoristo, P 2016, 'Influence of temperature-induced copper diffusion on degradation of selective chromium oxy-nitride solar absorber coatings', *Solar Energy Materials and Solar Cells*, Vuosikerta. 145, Sivut 323-332. <https://doi.org/10.1016/j.solmat.2015.10.034>
- Bourhis, K, Boetti, NG, Koponen, J, Milanese, D & Petit, L 2014, 'Influence of the P2O5/Al2O3 co-doping on the local environment of erbium ions and on the 1.5 μm quantum efficiency of Er3+-borosilicate glasses', *Optical Materials*, Vuosikerta. 36, Nro 5, Sivut 926-931. <https://doi.org/10.1016/j.optmat.2013.12.035>
- Ojha, N, Laihininen, T, Salminen, T, Lastusaari, M & Petit, L 2018, 'Influence of the phosphate glass melt on the corrosion of functional particles occurring during the preparation of glass-ceramics', *Ceramics International*, Vuosikerta. 44, Nro 10, Sivut 11807-11811. <https://doi.org/10.1016/j.ceramint.2018.03.267>
- Cook, BS, Fang, Y, Kim, S, Le, T, Goodwin, WB, Sandhage, KH & Tentzeris, MM 2013, 'Inkjet catalyst printing and electroless copper deposition for low-cost patterned microwave passive devices on paper', *Electronic Materials Letters*, Vuosikerta. 9, Nro 5, Sivut 669-676. <https://doi.org/10.1007/s13391-013-3027-0>
- Su, W, Cooper, JR, Cook, BS, Tentzeris, MM, Mariotti, C & Roselli, L 2015, Inkjet-printed dual microfluidic-based sensor integrated system. julkaisussa *2015 IEEE SENSORS - Proceedings.*, 7370300, Institute of Electrical and Electronics Engineers Inc., Busan, Etelä-Korea, 1/11/15. <https://doi.org/10.1109/ICSENS.2015.7370300>
- Le, T, Lakafosis, V, Lin, Z, Wong, CP & Tentzeris, MM 2012, Inkjet-printed graphene-based wireless gas sensor modules. julkaisussa *2012 IEEE 62nd Electronic Components and Technology Conference, ECTC 2012.*, 6248958, Sivut 1003-1008, San Diego, CA, Yhdysvallat, 29/05/12. <https://doi.org/10.1109/ECTC.2012.6248958>
- Laurila, M-M, Soltani, A & Mäntysalo, M 2015, Inkjet printed single layer high-density circuitry for a MEMS device. julkaisussa *2015 IEEE 65th Electronic Components and Technology Conference (ECTC)*. IEEE, Sivut 968-972, Yhdysvallat, 1/01/00. <https://doi.org/10.1109/ECTC.2015.7159712>
- Le, T, Lin, Z, Vyas, R, Lakafosis, V, Yang, L, Traille, A, Tentzeris, MM & Wong, CP 2013, 'Inkjet printing of radio frequency electronics: Design methodologies and application of novel nanotechnologies', *Journal of Electronic Packaging*, Vuosikerta. 135, Nro 1, 011007. <https://doi.org/10.1115/1.4023671>

Valkealahti, S & Manninen, M 1992, 'Instability of cuboctahedral copper clusters', *Physical Review B*, Vuosikerta. 45, Nro 16, Sivut 9459-9462. <https://doi.org/10.1103/PhysRevB.45.9459>

Karioja, P, Alajoki, T, Cherchi, M, Ollila, J, Harjanne, M, Heinilehto, N, Suomalainen, S, Zia, N, Tuorila, H, Viheriälä, J, Guina, M, Buczynski, R, Kasztelanic, R, Salo, T, Virtanen, S, Kluczynski, P, Borgen, L, Ratajczyk, M & Kalinowski, P 2018, Integrated multi-wavelength mid-IR light source for gas sensing. julkaisussa *Next-Generation Spectroscopic Technologies XI.*, 106570A, SPIE Conference Proceedings, Vuosikerta. 10657, SPIE, IEEE, Orlando, Yhdysvallat, 16/04/18. <https://doi.org/10.1117/12.2305712>

Aalto, T, Harjanne, M, Offrein, BJ, Caër, C, Neumeys, C, Malacarne, A, Guina, M, Sheehan, RN, Peters, FH & Melanen, P 2016, Integrating III-V, Si, and polymer waveguides for optical interconnects: RAPIDO. julkaisussa *Optical Interconnects XVI.*, 97530D, Proceedings of SPIE, Vuosikerta. 9753, SPIE, 1/01/00. <https://doi.org/10.1117/12.2214786>

Linna, P, Narra, N & Grönman, J 2019, Intelligent data service for farmers. julkaisussa K Skala, Z Car, P Pale, D Huljenic, M Janjic, M Korivic, V Struk, S Ribaric, TG Grbac, Z Butkovic, M Cicin-Sain, D Skvorc, M Mauher, S Babic, S Gros, B Vrdoljak & E Tijan (toim), *2019 42nd International Convention on Information and Communication Technology, Electronics and Microelectronics, MIPRO 2019 - Proceedings*. IEEE, Sivut 1072-1075, Opatija, Kroatia, 20/05/19. <https://doi.org/10.23919/MIPRO.2019.8756688>

Gupta, SK, Wu, HH, Kwak, KJ, Casal, P, Nicholson, TR, Wen, X, Anisha, R, Bhushan, B, Berger, PR, Lu, W, Brillson, LJ & Lee, SC 2011, 'Interfacial design and structure of protein/polymer films on oxidized AlGaIn surfaces', *Journal of Physics D: Applied Physics*, Vuosikerta. 44, Nro 3, 34010. <https://doi.org/10.1088/0022-3727/44/3/034010>

Leroy, HA, Vermandel, M, Tétard, MC, Lejeune, JP, Mordon, S & Reyns, N 2015, Interstitial photodynamic therapy and glioblastoma: Light fractionation study on a preclinical model: Preliminary results. julkaisussa *Optical Techniques in Neurosurgery, Neurophotonics, and Optogenetics II*. Vuosikerta. 9305, 93050D, SPIE, San Francisco, Yhdysvallat, 7/02/15. <https://doi.org/10.1117/12.2079347>

Huttunen, MJ, Hristu, R, Dumitru, A, Costache, M & Stanciu, SG 2019, Investigating human skin using deep learning enhanced multiphoton microscopy. julkaisussa *21st International Conference on Transparent Optical Networks, ICTON 2019*. International Conference on Transparent Optical Networks, IEEE, Angers, Ranska, 9/07/19. <https://doi.org/10.1109/ICTON.2019.8840265>

Bhavitha, KB, Nair, AK, Perumbilavil, S, Joseph, S, Kala, MS, Saha, A, Narayanan, RA, Hameed, N, Thomas, S, Oluwafemi, OS & Kalarikkal, N 2017, 'Investigating solvent effects on aggregation behaviour, linear and nonlinear optical properties of silver nanoclusters', *Optical Materials*, Vuosikerta. 73, Sivut 695-705. <https://doi.org/10.1016/j.optmat.2017.09.024>

Ma, L, Jackson, KA, Wang, J, Horoi, M & Jellinek, J 2014, 'Investigating the metallic behavior of Na clusters using site-specific polarizabilities', *Physical Review B*, Vuosikerta. 89, Nro 3, 035429. <https://doi.org/10.1103/PhysRevB.89.035429>

Heinonen, S, Nikkanen, J-P, Huttunen-Saarivirta, E & Levänen, E 2017, 'Investigation of long-term chemical stability of structured ZnO films in aqueous solutions of varying conditions', *Thin Solid Films*, Vuosikerta. 638, Sivut 410-419. <https://doi.org/10.1016/j.tsf.2017.07.055>

Murtomäki, JS, Kouhia, R, Stenvall, A, Bottura, L, Kirby, G, van Nugteren, J, DeRijk, G & Rossi, L 2018, 'Investigation of REBCO Roebel Cable Irreversible Critical Current Degradation Under Transverse Pressure', *IEEE Transactions on Applied Superconductivity*, Vuosikerta. 28, Nro 4, 4802506. <https://doi.org/10.1109/TASC.2018.2829150>

Rasilo, P, Singh, D, Belahcen, A & Arkkio, A 2013, 'Iron losses, magnetoelasticity and magnetostriction in ferromagnetic steel laminations', *IEEE Transactions on Magnetics*, Vuosikerta. 49, Nro 5, Sivut 2041-2044. <https://doi.org/10.1109/TMAG.2013.2242857>

- Khan, MN & Zharnikov, M 2013, 'Irradiation promoted exchange reaction with disulfide substituents', *Journal of Physical Chemistry C*, Vuosikerta. 117, Nro 28, Sivut 14534-14543. <https://doi.org/10.1021/jp4006026>
- Ozbay, E, Bulu, I & Caglayan, H 2006, Labyrinth based left-handed metamaterials and sub-wavelength focusing of electromagnetic waves. julkaisussa *Photonic Crystal Materials and Devices IV*. Vuosikerta. 6128, 612813, Proceedings of SPIE, Vuosikerta. 6128, San Jose, CA, Yhdysvallat, 23/01/06. <https://doi.org/10.1117/12.649548>
- Ärrälä, M, Hafiz, H, Mou, D, Wu, Y, Jiang, R, Riedemann, T, Lograsso, TA, Barbiellini, B, Kaminski, A, Bansil, A & Lindroos, M 2016, 'Laser angle-resolved photoemission as a probe of initial state kz dispersion, final-state band gaps, and spin texture of Dirac states in the Bi₂Te₃ topological insulator', *Physical Review B*, Vuosikerta. 94, Nro 15, 155144. <https://doi.org/10.1103/PhysRevB.94.155144>
- Wirdatmadja, S, Johari, P, Balasubramaniam, S, Bae, Y, Stachowiak, MK & Jornet, JM 2018, Light propagation analysis in nervous tissue for wireless optogenetic nanonetworks. julkaisussa *Optogenetics and Optical Manipulation 2018*, 104820R, SPIE, San Francisco, Yhdysvallat, 27/01/18. <https://doi.org/10.1117/12.2288786>
- Cappelluti, F, Kim, D, van Eerden, M, Cédola, AP, Aho, T, Bissels, G, Elsehrawy, F, Wu, J, Liu, H, Mulder, P, Bauhuis, G, Schermer, J, Niemi, T & Guina, M 2018, 'Light-trapping enhanced thin-film III-V quantum dot solar cells fabricated by epitaxial lift-off', *Solar Energy Materials and Solar Cells*, Vuosikerta. 181, Sivut 83-92. <https://doi.org/10.1016/j.solmat.2017.12.014>
- Laudyn, UA, Kwaśny, M, Jung, PS, Trippenbach, M, Assanto, G & Karpierz, MA 2016, 'Linear and nonlinear light beam propagation in chiral nematic liquid crystal waveguides', *Photonics Letters of Poland*, Vuosikerta. 8, Nro 1, Sivut 11-13. <https://doi.org/10.4302/plp.2016.1.05>
- Assanto, G, Piccardi, A, Alberucci, A, Residori, S & Bortolozzo, U 2009, 'Liquid crystal light valves: A versatile platform for nematicons', *Photonics Letters of Poland*, Vuosikerta. 1, Nro 4, Sivut 151-153. <https://doi.org/10.4302/plp.2009.4.03>
- Baron, A, Faggiani, R, Zang, X, Lalouat, L, Schulz, SA, Vynck, K, O'Regan, B, Cluzel, B, De Fornel, F, Krauss, TF & Lalanne, P 2015, Localization of light at vanishingly small disorder-levels with heavy photons. julkaisussa *2015 Conference on Lasers and Electro-Optics, CLEO 2015*. Vuosikerta. 2015-August, 7183319, Optical Society of America OSA, San Jose, Yhdysvallat, 10/05/15. https://doi.org/10.1364/CLEO_QELS.2015.FW1C.4
- Kuisma, M, Sakko, A, Rossi, TP, Larsen, AH, Enkovaara, J, Lehtovaara, L & Rantala, TT 2015, 'Localized surface plasmon resonance in silver nanoparticles: Atomistic first-principles time-dependent density-functional theory calculations', *Physical Review B*, Vuosikerta. 91, Nro 11, 115431. <https://doi.org/10.1103/PhysRevB.91.115431>
- Haußmann, L, Neumeier, S, Kolb, M, Ast, J, Mohanty, G, Michler, J & Göken, M 2020, Local Mechanical Properties at the Dendrite Scale of Ni-Based Superalloys Studied by Advanced High Temperature Indentation Creep and Micropillar Compression Tests. julkaisussa S Tin, M Hardy, J Clews, J Cormier, Q Feng, J Marcin, C O'Brien & A Suzuki (toim), *Superalloys 2020: Proceedings of the 14th International Symposium on Superalloys*. The Minerals, Metals and Materials Series, Springer, Sivut 273-281, Seven Springs, Yhdysvallat, 12/09/21. https://doi.org/10.1007/978-3-030-51834-9_26
- Baek, J, Umeyama, T, Stranius, K, Yamada, H, Tkachenko, NV & Imahori, H 2017, 'Long-Range Observation of Exciplex Formation and Decay Mediated by One-Dimensional Bridges', *Journal of Physical Chemistry C*, Vuosikerta. 121, Nro 25, Sivut 13952-13961. <https://doi.org/10.1021/acs.jpcc.7b04483>
- Sorianello, V, Colace, L, Armani, N, Rossi, F, Ferrari, C, Lazzarini, L & Assanto, G 2011, 'Low-temperature germanium thin films on silicon', *Optical Materials Express*, Vuosikerta. 1, Nro 5, Sivut 856-865. <https://doi.org/10.1364/OME.1.000856>
- Ghazy, A, Safdar, M, Lastusaari, M, Aho, A, Tukiainen, A, Savin, H, Guina, M & Karppinen, M 2020, 'Luminescent (Er,Ho) ₂O₃ thin films by ALD to enhance the performance of silicon solar cells', *Solar Energy Materials and Solar Cells*, Vuosikerta. 219, 110787. <https://doi.org/10.1016/j.solmat.2020.110787>

- Frosio, I, Egiazarian, K & Pulli, K 2015, Machine learning for adaptive bilateral filtering. julkaisussa *Image Processing: Algorithms and Systems XIII*. Vuosikerta. 9399, 939908, Proceedings of SPIE - The International Society for Optical Engineering, SPIE, IS&T/SPIE ELECTRONIC IMAGING / IMAGE PROCESSING: ALGORITHMS AND SYSTEMS, 1/01/00. <https://doi.org/10.1117/12.2077733>
- Toral, F, Munilla, J & Salmi, T 2018, 'Magnetic and mechanical design of a 16 T common coil dipole for FCC', *IEEE Transactions on Applied Superconductivity*, Vuosikerta. 28, Nro 3, 4004305. <https://doi.org/10.1109/TASC.2018.2797909>
- Rissanen, I & Laurson, L 2019, 'Magnetic non-contact friction from domain wall dynamics actuated by oscillatory mechanical motion', *Journal of Physics D: Applied Physics*, Vuosikerta. 52, Nro 44, 445002. <https://doi.org/10.1088/1361-6463/ab351f>
- Chen, X, He, H, Yang, Y, Gou, M, Sydanheimo, L, Ukkonen, L & Virkki, J 2019, Maintenance-free moisture sensor on dishcloth substrate. julkaisussa *2019 Photonics and Electromagnetics Research Symposium - Fall, PIERS - Fall 2019 - Proceedings.*, 9021487, IEEE, Sivut 2418-2421, Xiamen, Kiina, 17/12/19. <https://doi.org/10.1109/PIERS-Fall48861.2019.9021487>
- Ye, C, Koponen, J, Aallos, V, Kokki, T, Petit, L & Kimmelma, O 2015, Measuring bend losses in large-mode-area fibers. julkaisussa *Fiber Lasers XII: Technology, Systems, and Applications*. Vuosikerta. 9344, 934425, SPIE, San Francisco, Yhdysvallat, 9/02/15. <https://doi.org/10.1117/12.2076813>
- Isoniemi, T, Tuukkanen, S, Cameron, DC, Simonen, J & Toppari, JJ 2015, 'Measuring optical anisotropy in poly(3,4-ethylene dioxythiophene): poly(styrene sulfonate) films with added graphene', *Organic Electronics*, Vuosikerta. 25, Sivut 317-323. <https://doi.org/10.1016/j.orgel.2015.06.037>, <https://doi.org/10.1016/j.orgel.2015.06.037>
- Zhao, J, Stenvall, A, Salmi, T, Gao, Y & Lorin, C 2017, 'Mechanical behavior of a 16 T FCC dipole magnet during a quench', *IEEE Transactions on Applied Superconductivity*, Vuosikerta. 27, Nro 6, 4004407. <https://doi.org/10.1109/TASC.2017.2721974>
- Barberi, J, Nommeots-Nomm, A, Fiume, E, Verné, E, Massera, J & Baino, F 2019, 'Mechanical characterization of pore-graded bioactive glass scaffolds produced by robocasting', *Biomedical Glasses*, Vuosikerta. 5, Nro 1, Sivut 140-147. <https://doi.org/10.1515/bglass-2019-0012>
- Murtomaki, JS, Van Nugteren, J, Kirby, G, Rossi, L, Ruuskanen, J & Stenvall, A 2017, 'Mechanical Effects of the Nonuniform Current Distribution on HTS Coils for Accelerators Wound With REBCO Roebel Cable', *IEEE Transactions on Applied Superconductivity*, Vuosikerta. 27, Nro 4, 4100405. <https://doi.org/10.1109/TASC.2017.2665882>
- Zhao, J, Prioli, M, Stenvall, A, Salmi, T, Gao, Y, Caiffi, B, Lorin, C, Marinozzi, V, Farinon, S & Sorbi, M 2018, 'Mechanical stress analysis during a quench in CLIQ protected 16 T dipole magnets designed for the future circular collider', *Physica C: Superconductivity and its Applications*, Vuosikerta. 550, Sivut 27-34. <https://doi.org/10.1016/j.physc.2018.04.003>
- Kahle, H, Penttinen, JP, Phung, HM, Rajala, P, Tukiainen, A, Ranta, S & Guina, M 2019, MECSELS with direct emission in the 760 nm to 810 nm spectral range: A single- and double-side pumping comparison and high-power continuous-wave operation. julkaisussa U Keller (Toimittaja), *Vertical External Cavity Surface Emitting Lasers (VECSELS) IX.*, 109010D, Proceedings of SPIE - The International Society for Optical Engineering, Vuosikerta. 10901, SPIE, IEEE, San Francisco, Yhdysvallat, 5/02/19. <https://doi.org/10.1117/12.2512111>
- Magarkar, A, Parkkila, P, Viitala, T, Lajunen, T, Mobarak, E, Licari, G, Cramariuc, O, Vauthey, E, Róg, T & Bunker, A 2018, 'Membrane bound COMT isoform is an interfacial enzyme: General mechanism and new drug design paradigm', *Chemical Communications*, Vuosikerta. 54, Nro 28, Sivut 3440-3443. <https://doi.org/10.1039/c8cc00221e>
- Sorianello, V, Colace, L, Assanto, G & Nardone, M 2011, 'Micro-Raman characterization of Germanium thin films evaporated on various substrates', *Microelectronic Engineering*, Vuosikerta. 88, Nro 4, Sivut 492-495. <https://doi.org/10.1016/j.mee.2010.10.028>

Karhu, M, Lagerbom, J, Solismaa, S, Honkanen, M, Ismailov, A, Räisänen, ML, Huttunen-Saarivirta, E, Levänen, E & Kivikytö-Reponen, P 2019, 'Mining tailings as raw materials for reaction-sintered aluminosilicate ceramics: Effect of mineralogical composition on microstructure and properties', *Ceramics International*, Vuosikerta. 45, Nro 4, Sivut 4840-4848. <https://doi.org/10.1016/j.ceramint.2018.11.180>

Ye, C, Koponen, J, Aallos, V, Petit, L, Kimmelma, O & Kokki, T 2014, Mode coupling in few-mode large-mode-area fibers. julkaisussa *Fiber Lasers XI: Technology, Systems, and Applications*. Vuosikerta. 8961, 89612W, SPIE, San Francisco, CA, Yhdysvallat, 3/02/14. <https://doi.org/10.1117/12.2038575>

Palmolahti, L, Ali-Löytty, H, Khan, R, Saari, J, Tkachenko, NV & Valden, M 2020, 'Modification of Surface States of Hematite-Based Photoanodes by Submonolayer of TiO₂ for Enhanced Solar Water Splitting', *Journal of Physical Chemistry C*, Vuosikerta. 124, Nro 24, Sivut 13094-13101. <https://doi.org/10.1021/acs.jpcc.0c00798>

Kantola, JH, Vaara, J, Rantala, TT & Jokisaari, J 1996, Molecular dynamics simulations for Xe absorbed in zeolites. julkaisussa E Kaxiras, J Joannopoulos, P Vashishta & RK Kalia (toim), *Materials Research Society Symposium - Proceedings*. Vuosikerta. 408, MATERIALS RESEARCH SOCIETY, Sivut 599-604, Boston, MA, USA, Suomi, 27/11/95. <https://doi.org/10.1557/PROC-408-599>

Korpijärvi, V-M, Kantola, EL, Leinonen, T & Guina, M 2015, Monolithic GaInNAsSb/GaAs VECSEL emitting at 1550 nm. julkaisussa *SPIE conference proceedings*. Vuosikerta. 9349, 93490D, SPIE, Iso-Britannia, 1/01/15. <https://doi.org/10.1117/12.2077517>

Rasappa, S, Schulte, L, Borah, D, Hulkkonen, H, Ndoni, S, Salminen, T, Senthamarakanan, R, Morris, MA & Niemi, T 2018, 'Morphology evolution of PS-b-PDMS block copolymer and its hierarchical directed self-assembly on block copolymer templates', *Microelectronic Engineering*, Vuosikerta. 192, Sivut 1-7. <https://doi.org/10.1016/j.mee.2018.02.002>

Sapaev, UK, Yusupov, DB & Assanto, G 2011, Multicolor nonlinear pulse compression by consecutive optical parametric amplification in quasi-phase matched structures. julkaisussa *ICONO 2010: International Conference on Coherent and Nonlinear Optics*. Vuosikerta. 7993, 79930Q, Kazan, Venäjä, 23/08/10. <https://doi.org/10.1117/12.882887>

Korobko, DA, Gumenyuk, R, Zolotovskii, IO & Okhotnikov, OG 2014, 'Multisoliton complexes in fiber lasers', *Optical Fiber Technology*, Vuosikerta. 20, Nro 6, Sivut 593-609. <https://doi.org/10.1016/j.yofte.2014.08.011>

Hütner, J, Herranen, T & Laurson, L 2019, 'Multistep Bloch-line-mediated Walker breakdown in ferromagnetic strips', *Physical Review B*, Vuosikerta. 99, Nro 17, 174427. <https://doi.org/10.1103/PhysRevB.99.174427>

Katkovnik, V, Shevkunov, I, Petrov, NV & Eguiazarian, K 2018, Multiwavelength surface contouring from phase-coded diffraction patterns. julkaisussa *Unconventional Optical Imaging 2018. Strasbourg, France.*, 106771B, Proceedings of SPIE - The International Society for Optical Engineering, Vuosikerta. 10677, SPIE, 1/01/00. <https://doi.org/10.1117/12.2306127>

Blanc, W, Vermillac, M, Petit, L, Lukowiak, A, Lu, Z, Mady, F, Benabdesselam, M, Chaussedent, S, Mehdi, A & Ferrari, M 2019, Nanoparticles in optical waveguides: A toolbox to promote lasers, amplifiers and sensors. julkaisussa *21st International Conference on Transparent Optical Networks, ICTON 2019*. International Conference on Transparent Optical Networks, IEEE, Angers, Ranska, 9/07/19. <https://doi.org/10.1109/ICTON.2019.8840208>

Isoaho, R, Aho, A, Tukiainen, A, Aho, T, Raappana, M, Salminen, T, Reuna, J & Guina, M 2019, Narrow Bandgap Dilute Nitride Materials for 6-junction Space Solar Cells. julkaisussa *2019 European Space Power Conference (ESPC)*. IEEE, European Space Power Conference, 1/01/00. <https://doi.org/10.1109/ESPC47532.2019.9049263>

Virtanen, H, Uusitalo, T, Karjalainen, M, Ranta, S, Viheriälä, J & Dumitrescu, M 2018, 'Narrow-linewidth 780 nm DFB lasers fabricated using nanoimprint lithography', *IEEE Photonics Technology Letters*, Vuosikerta. 30, Nro 1, Sivut 51-54. <https://doi.org/10.1109/LPT.2017.2772337>

Kaneda, Y, Hart, ML, Warner, SH, Penttinen, JP & Guina, M 2018, 'Narrow-linewidth operation of folded VECSEL cavity with twist-mode configuration' Artikkelin esitetty, Boston, Yhdysvallat, 4/11/18 - 8/11/18, .
<https://doi.org/10.1364/ASSL.2018.ATH2A.7>

Sorianello, V, De Iacovo, A, Colace, L & Assanto, G 2013, 'Near-infrared photodetectors in evaporated ge: Characterization and TCAD simulations', *IEEE Transactions on Electron Devices*, Vuosikerta. 60, Nro 6, 6515586, Sivut 1995-2000. <https://doi.org/10.1109/TED.2013.2259241>

Vehanen, A, Mäkinen, J, Hautajarvi, P, Huomo, H, Lahtinen, J, Nieminen, RM & Valkealahti, S 1985, 'Near-surface defect profiling with slow positrons: Argon-sputtered Al(110)', *Physical Review B*, Vuosikerta. 32, Nro 11, Sivut 7561-7563.
<https://doi.org/10.1103/PhysRevB.32.7561>

Cemlyn, B, Adams, M, Harbord, E, Li, N, Henning, ID, Oulton, R, Korpijärvi, VM & Guina, M 2018, 'Near-threshold high spin amplification in a 1300 nm GaInNAs spin laser', *Semiconductor Science and Technology*, Vuosikerta. 33, Nro 9, 094005. <https://doi.org/10.1088/1361-6641/aad42e>

Gumenyuk, R, Rissanen, J, Korobko, DA, Zolotovskiy, IO, Melkumov, M & Khopin, VF 2017, New multisoliton complex in Bi-doped fiber laser operated at 1450 nm. julkaisussa *European Quantum Electronics Conference 2017*. Vuosikerta. Part F81-EQEC 2017, EF_5_4, The Optical Society; OSA, Munich, Saksa, 25/06/17.

Colace, L, Scacchi, A & Assanto, G 2011, Noise characterization of Ge/Si photodetectors. julkaisussa *8th IEEE International Conference on Group IV Photonics, GFP 2011.*, 6053793, Sivut 290-292, London, Iso-Britannia, 14/09/11.
<https://doi.org/10.1109/GROUP4.2011.6053793>

Vimieiro, RB, Borges, LR, Caron, RF, Barufaldi, B, Bakic, PR, Maidment, ADA & Vieira, MAC 2019, Noise measurements from reconstructed digital breast tomosynthesis. julkaisussa TG Schmidt, G-H Chen & H Bosmans (toim), *Medical Imaging 2019: Physics of Medical Imaging.*, 109480C, Progress in Biomedical Optics and Imaging - Proceedings of SPIE, Vuosikerta. 10948, SPIE, IEEE, 1/01/00. <https://doi.org/10.1117/12.2512977>

Salpavaara, T, Hänninen, A, Antniemi, A, Lekkala, J & Kellomäki, M 2017, 'Non-destructive and wireless monitoring of biodegradable polymers', *Sensors and Actuators B: Chemical*, Vuosikerta. 251, Sivut 1018-1025.
<https://doi.org/10.1016/j.snb.2017.05.116>

Assanto, G & Smyth, NF 2016, 'Nonlinear guided waves: Preface', *Journal of Nonlinear Optical Physics and Materials*, Vuosikerta. 25, Nro 4, 1650041. <https://doi.org/10.1142/S0218863516500417>

Huttunen, MJ, Partanen, M, Bautista, G, Chu, S-W & Kauranen, M 2015, 'Nonlinear optical activity effects in complex anisotropic three-dimensional media', *Optical Materials Express*, Vuosikerta. 5, Nro 1, Sivut 11-21.
<https://doi.org/10.1364/OME.5.000011>

Assanto, G 2016, 'Nonlinear optics applications: In memory of George I. Stegeman', *Photonics Letters of Poland*, Vuosikerta. 8, Nro 1, Sivut 1. <https://doi.org/10.4302/plp.2016.1.01>

Piccardi, A, Residori, S & Assanto, G 2016, 'Nonlocal soliton scattering in random potentials', *Journal of Optics*, Vuosikerta. 18, Nro 7, 07LT01. <https://doi.org/10.1088/2040-8978/18/7/07LT01>

Voronin, VV, Frantc, VA, Marchuk, VI, Sherstobitov, AI & Egiazarian, K 2015, No-reference visual quality assessment for image inpainting. julkaisussa *Image Processing: Algorithms and Systems XIII.*, 93990U, SPIE Conference Proceedings, Vuosikerta. 9399, SPIE, IS&T/SPIE ELECTRONIC IMAGING / IMAGE PROCESSING: ALGORITHMS AND SYSTEMS, 1/01/00. <https://doi.org/10.1117/12.2076507>

Del Cerro, PR, Teittinen, H, Norrbo, I, Lastusaari, M, Massera, J & Petit, L 2020, 'Novel borosilicate bioactive scaffolds with persistent luminescence', *Biomedical Glasses*, Vuosikerta. 6, Nro 1, Sivut 1-9. <https://doi.org/10.1515/bglass-2020-0001>

Le, T, Lin, Z, Wong, CP & Tentzeris, MM 2013, Novel enhancement techniques for ultra-high-performance conformal wireless sensors and 'smart skins' utilizing inkjet-printed graphene. julkaisussa *2013 IEEE 63rd Electronic Components and Technology Conference, ECTC 2013.*, 6575792, Sivut 1640-1643, Las Vegas, NV, Yhdysvallat, 28/05/13. <https://doi.org/10.1109/ECTC.2013.6575792>

Petit, L, Nguyen, H, Hongisto, M, Salminen, T, Hakkarainen, T, Lopez-Iscoa, P, Pugliese, D, Boetti, NG & Milanese, D 2017, Novel Er³⁺ doped phosphate glass-ceramics for photonics. julkaisussa *ICTON 2017 - 19th International Conference on Transparent Optical Networks*. IEEE COMPUTER SOCIETY PRESS, INTERNATIONAL CONFERENCE ON TRANSPARENT OPTICAL NETWORKS, 1/01/00. <https://doi.org/10.1109/ICTON.2017.8024877>

Daerhan, D, Jonah, O, Hu, H, Georgakopoulos, SV & Tentzeris, MM 2014, Novel highly-efficient and misalignment insensitive wireless power transfer systems utilizing Strongly Coupled Magnetic Resonance principles. julkaisussa *Proceedings - Electronic Components and Technology Conference.*, 6897370, Institute of Electrical and Electronics Engineers Inc., Sivut 759-762, Orlando, Yhdysvallat, 27/05/14. <https://doi.org/10.1109/ECTC.2014.6897370>

Luo, Z, Bao, Q, Caglayan, H, Jia, B & Zhang, H 2020, 'Novel optical and photonic devices based on 2D materials: Feature issue introduction', *Optical Materials Express*, Vuosikerta. 10, Nro 6, Sivut 1344-1345. <https://doi.org/10.1364/OME.396413>

Cui, S, Massera, J, Lastusaari, M, Hupa, L & Petit, L 2016, 'Novel oxyfluorophosphate glasses and glass-ceramics', *Journal of Non-Crystalline Solids*, Vuosikerta. 445-446, Sivut 40-44. <https://doi.org/10.1016/j.jnoncrysol.2016.05.005>

Caglayan, H & Özbay, E 2010, 'Observation of cavity structures in composite metamaterials', *Journal of Nanophotonics*, Vuosikerta. 4, Nro 1, 041790. <https://doi.org/10.1117/1.3475763>

Radevici, I, Sadi, T, Tripurari, T, Tiira, J, Ranta, S, Tukiainen, A, Guina, M & Oksanen, J 2019, Observation of local electroluminescent cooling and identifying the remaining challenges. julkaisussa DV Seletskiy, RI Epstein & M Sheik-Bahae (toim), *Photonic Heat Engines: Science and Applications.*, 109360A, Proceedings of SPIE - The International Society for Optical Engineering, Vuosikerta. 10936, SPIE, IEEE, San Francisco, Yhdysvallat, 3/02/19. <https://doi.org/10.1117/12.2505814>

Caglayan, H, Bulu, I & Ozbay, E 2009, 'Observation of off-axis directional beaming via subwavelength asymmetric metallic gratings', *Journal of Physics D: Applied Physics*, Vuosikerta. 42, Nro 4, 045105. <https://doi.org/10.1088/0022-3727/42/4/045105>

Klauck, F, Teuber, L, Ornigotti, M, Heinrich, M, Scheel, S & Szameit, A 2019, 'Observation of PT-symmetric quantum interference', *Nature Photonics*. <https://doi.org/10.1038/s41566-019-0517-0>

Kuzmin, M, Laukkanen, P, Yasir, M, Mäkelä, J, Tuominen, M, Dahl, J, Punkkinen, MPJ, Kokko, K, Hedman, HP, Moon, J, Punkkinen, R, Polojärvi, V, Korpijärvi, VM & Guina, M 2015, 'Observation of unusual metal-semiconductor interaction and metal-induced gap states at an oxide-semiconductor interface: The case of epitaxial BaO/Ge(100) junction', *Physical Review B*, Vuosikerta. 92, Nro 16, 165311. <https://doi.org/10.1103/PhysRevB.92.165311>

Haapanen, J, Aromaa, M, Teisala, H, Juuti, P, Tuominen, M, Sillanpää, M, Stepien, M, Saarinen, JJ, Toivakka, M, Kuusipalo, J & Mäkelä, JM 2019, 'On the limit of superhydrophobicity: Defining the minimum amount of TiO₂ nanoparticle coating', *Materials Research Express*, Vuosikerta. 6, Nro 3, 035004. <https://doi.org/10.1088/2053-1591/aaf2ee>

Stenvall, A & Lahtinen, V 2018, 'Open Material Property Library With Native Simulation Tool Integrations - MASTO', *IEEE Transactions on Applied Superconductivity*. <https://doi.org/10.1109/TASC.2018.2799850>

Stumpel, JE, Broer, DJ, Bastiaansen, CWM & Schenning, APHJ 2014, Optical and topographic changes in water-responsive patterned cholesteric liquid crystalline polymer coatings. julkaisussa *Proceedings of SPIE: Organic Photonics VI*. Vuosikerta. 9137, 91370U, Proceedings of SPIE: the International Society for Optical Engineering, SPIE, Brussels, Belgia, 15/04/14. <https://doi.org/10.1117/12.2052678>

Fotiadi, AA, Korobko, DA, Okhotnikov, OG & Zolotovskii, IO 2016, Optical fiber amplifier with spectral compression elements for high-power laser pulse generation. julkaisussa *Nonlinear Optics and its Applications IV*. Vuosikerta. 9894, 989411, Proceedings of SPIE, Vuosikerta. 9894, SPIE, 1/01/00. <https://doi.org/10.1117/12.2223637>

Sadiq, I, Mikkonen, T, Vainio, M, Toivonen, J & Foltynowicz, A 2019, Optical Frequency Comb Photoacoustic Spectroscopy. julkaisussa *2019 Conference on Lasers and Electro-Optics, CLEO 2019 - Proceedings*. IEEE, San Jose, Yhdysvallat, 5/05/19. <https://doi.org/10.23919/CLEO.2019.8749688>

Colace, L, Soriano, V, Romagnoli, M, Socci, L & Assanto, G 2011, 'Optical power monitors in Ge monolithically integrated on SOI chips', *Microelectronic Engineering*, Vuosikerta. 88, Nro 4, Sivut 514-517. <https://doi.org/10.1016/j.mee.2010.10.033>

Gunes, M, Ukelge, MO, Donmez, O, Erol, A, Gumus, C, Alghamdi, H, Galeti, HVA, Henini, M, Schmidbauer, M, Hilska, J, Puustinen, J & Guina, M 2018, 'Optical properties of GaAs_{1-x}Bi_x/GaAs quantum well structures grown by molecular beam epitaxy on (100) and (311)B GaAs substrates', *Semiconductor Science and Technology*, Vuosikerta. 33, Nro 12, 124015. <https://doi.org/10.1088/1361-6641/aaea2e>

Ruuskanen, J, Stenvall, A, Van Nugteren, J & Lahtinen, V 2018, 'Optimization of an E3SPreSSO Energy-Extraction System for High-Field Superconducting Magnets', *IEEE Transactions on Applied Superconductivity*, Vuosikerta. 28, Nro 3, 4700805. <https://doi.org/10.1109/TASC.2018.2794457>

Lampio, K & Karvinen, R 2017, 'Optimization of convectively cooled heat sinks', *Microelectronics Reliability*, Vuosikerta. 79, Sivut 473-479. <https://doi.org/10.1016/j.microrel.2017.06.011>

Busacca, AC, Stivala, S, Curcio, L & Assanto, G 2012, 'Parametric conversion in micrometer and submicrometer structured ferroelectric crystals by surface poling', *International Journal of Optics*, Vuosikerta. 2012, 606892. <https://doi.org/10.1155/2012/606892>

Jisha, CP & Alberucci, A 2017, 'Paraxial light beams in structured anisotropic media', *Journal of the Optical Society of America A: Optics and Image Science, and Vision*, Vuosikerta. 34, Nro 11, Sivut 2019-2024. <https://doi.org/10.1364/JOSAA.34.002019>

Salpavaara, T, Järveläinen, M, Seppälä, S, Yli-Hallila, T, Verho, J, Vilkkio, M, Leikkala, J & Levänen, E 2015, 'Passive resonance sensor based method for monitoring particle suspensions', *Sensors and Actuators B: Chemical*, Vuosikerta. 219, Sivut 324-330. <https://doi.org/10.1016/j.snb.2015.04.121>

Mehmood, A, Vianto, V, He, H, Chen, X, Buruk, OO, Ukkonen, L & Virkki, J 2019, Passive UHF RFID-based user interface on a wooden surface. julkaisussa *2019 Photonics and Electromagnetics Research Symposium - Fall, PIERS - Fall 2019 - Proceedings.*, 9021441, IEEE, Sivut 1760-1763, Xiamen, Kiina, 17/12/19. <https://doi.org/10.1109/PIERS-Fall48861.2019.9021441>

Valagiannopoulos, CA, Tukiainen, A, Aho, T, Niemi, T, Guina, M, Tretyakov, SA & Simovski, CR 2015, 'Perfect magnetic mirror and simple perfect absorber in the visible spectrum', *Physical Review B*, Vuosikerta. 91, Nro 11, 115305. <https://doi.org/10.1103/PhysRevB.91.115305>

De Donno, D, Tarricone, L, Catarinucci, L, Lakafosis, V & Tentzeris, MM 2012, 'Performance enhancement of the RFID EPC Gen2 protocol by exploiting collision re-recovery', *Progress in Electromagnetics Research B*, Nro 43, Sivut 53-72.

Raappana, M, Aho, A, Aho, T, Isoaho, R, Anttola, E, Kajas, N, Polojärvi, V, Tukiainen, A & Guina, M 2019, Performance of Solar Cell Grids based on Ag, Au, and Al for Cost-Effective Manufacturing. julkaisussa *2019 European Space Power Conference (ESPC)*. IEEE, European Space Power Conference, 1/01/00. <https://doi.org/10.1109/ESPC.2019.8932002>

Aryal, U, Ojha, N, Trautvetter, T, Lastusaari, M, Ueda, J, Mueller, R, Veber, A & Petit, L 2019, Persistent luminescent glasses prepared using the direct doping method. julkaisussa *21st International Conference on Transparent Optical Networks, ICTON 2019*. International Conference on Transparent Optical Networks, IEEE, Angers, Ranska, 9/07/19. <https://doi.org/10.1109/ICTON.2019.8840287>

Sahin, E, Akpınar, U & Gotchev, A 2019, Phase-coded computational imaging for depth of field extension. julkaisussa *Proceedings - Digital Holography and Three-Dimensional Imaging 2019*. Optical Society of America, Bordeaux, Ranska, 19/05/19.

Ojha, N, Tuomisto, M, Lastusaari, M & Petit, L 2019, 'Phosphate glasses with blue persistent luminescence prepared using the direct doping method', *Optical Materials*, Vuosikerta. 87, Sivut 151-156. <https://doi.org/10.1016/j.optmat.2018.03.063>

Heinonen, S, Kannisto, M, Nikkanen, J-P, Huttunen-Saarivirta, E, Karp, M & Levänen, E 2016, 'Photocatalytic and antibacterial properties of ZnO films with different surface topographies on stainless steel substrate', *Thin Solid Films*, Vuosikerta. 616, Sivut 842-849. <https://doi.org/10.1016/j.tsf.2016.10.002>

Shimamura, A, Priimagi, A, Mamiya, JI, Kinoshita, M, Ikeda, T & Shishido, A 2011, 'Photoinduced bending upon pulsed irradiation in azobenzene-containing crosslinked liquid-crystalline polymers', *Journal of Nonlinear Optical Physics and Materials*, Vuosikerta. 20, Nro 4, Sivut 405-413. <https://doi.org/10.1142/S0218863511006200>

Virkki, K, Hakola, H, Urbani, M, Tejerina, L, Ince, M, Martínez-Díaz, MV, Torres, T, Golovanova, V, Golovanov, V & Tkachenko, NV 2017, 'Photoinduced Electron Injection from Zinc Phthalocyanines into Zinc Oxide Nanorods: Aggregation Effects', *Journal of Physical Chemistry C*, Vuosikerta. 121, Nro 17, Sivut 9594-9605. <https://doi.org/10.1021/acs.jpcc.7b01562>

Virkki, K, Demir, S, Lemmetyinen, H & Tkachenko, NV 2015, 'Photoinduced Electron Transfer in CdSe/ZnS Quantum Dot-Fullerene Hybrids', *Journal of Physical Chemistry C*, Vuosikerta. 119, Nro 31, Sivut 17561-17572. <https://doi.org/10.1021/acs.jpcc.5b04251>

Vapaavuori, J, Priimagi, A, Soinen, AJ, Canilho, N, Kasëmi, E, Ruokolainen, J, Kaivola, M & Ikkala, O 2013, 'Photoinduced surface patterning of azobenzene-containing supramolecular dendrons, dendrimers and dendronized polymers', *Optical Materials Express*, Vuosikerta. 3, Nro 6, Sivut 711-722. <https://doi.org/10.1364/OME.3.000711>

Baek, J, Umeyama, T, Mizuno, S, Tkachenko, NV & Imahori, H 2017, 'Photophysical properties of porphyrin dimer-single-walled carbon nanotube linked systems', *Journal of Physical Chemistry C*, Vuosikerta. 121, Nro 39. <https://doi.org/10.1021/acs.jpcc.7b08594>

Isoaho, R, Aho, A, Tukiainen, A, Aho, T, Raappana, M, Salminen, T, Reuna, J & Guina, M 2019, 'Photovoltaic properties of low-bandgap (0.7–0.9eV) lattice-matched GaInNAsSb solar junctions grown by molecular beam epitaxy on GaAs', *Solar Energy Materials and Solar Cells*, Vuosikerta. 195, Sivut 198-203. <https://doi.org/10.1016/j.solmat.2019.02.030>

Ozbay, E, Bulu, I, Aydin, K, Caglayan, H & Guven, K 2004, 'Physics and applications of photonic crystals', *Photonics and Nanostructures - Fundamentals and Applications*, Vuosikerta. 2, Nro 2, Sivut 87-95. <https://doi.org/10.1016/j.photonics.2004.08.001>

Viitala, M, Kuisma, M & Rantala, TT 2012, 'Physisorption of benzene on a tin dioxide surface: Van der Waals interaction', *Physical Review B*, Vuosikerta. 85, Nro 8, 085412, Sivut 1-5. <https://doi.org/10.1103/PhysRevB.85.085412>

Filippov, V, Vorotynskii, A, Noronen, T, Gumenyuk, R, Chamorovskii, Y & Golant, K 2017, Picosecond MOPA with ytterbium doped tapered double clad fiber. julkaisussa *Fiber Lasers XIV: Technology and Systems*. Vuosikerta. 10083, 100831H, Proceedings of SPIE, Nro 10083, SPIE, San Francisco, Yhdysvallat, 30/01/17. <https://doi.org/10.1117/12.2252006>

Selvan, NT, Eshwaran, SB, Das, A, Stöckelhuber, KW, Wießner, S, Pötschke, P, Nando, GB, Chervanyov, AI & Heinrich, G 2016, 'Piezoresistive natural rubber-multiwall carbon nanotube nanocomposite for sensor applications', *Sensors and Actuators, A: Physical*, Vuosikerta. 239, Sivut 102-113. <https://doi.org/10.1016/j.sna.2016.01.004>

Borges, LR, Bakic, PR, Foi, A, Maidment, ADA & Vieira, MAC 2017, Pipeline for effective denoising of digital mammography and digital breast tomosynthesis. julkaisussa *Medical Imaging 2017: Physics of Medical Imaging*, 1013206, Progress in biomedical optics and imaging, SPIE, 1/01/00. <https://doi.org/10.1117/12.2255058>

Borah, D, Shaw, MT, Rasappa, S, Farrell, RA, O'Mahony, C, Faulkner, CM, Bosea, M, Gleeson, P, Holmes, JD & Morris, MA 2011, 'Plasma etch technologies for the development of ultra-small feature size transistor devices', *Journal of Physics D: Applied Physics*, Vuosikerta. 44, Nro 17, 174012. <https://doi.org/10.1088/0022-3727/44/17/174012>

Yildiz, BC, Bek, A & Tasgin, ME 2020, 'Plasmon lifetime enhancement in a bright-dark mode coupled system', *Physical Review B*, Vuosikerta. 101, Nro 3, 035416. <https://doi.org/10.1103/PhysRevB.101.035416>

Aihara, Y, Kinoshita, M, Wang, J, Mamiya, JI, Priimagi, A & Shishido, A 2013, 'Polymer stabilization enhances the orientational optical nonlinearity of oligothiophene-doped nematic liquid crystals', *Advanced Optical Materials*, Vuosikerta. 1, Nro 11, Sivut 787-791. <https://doi.org/10.1002/adom.201300326>

Heikkinen, J, Gumenyuk, R, Rantamäki, A, Lyytikäinen, J, Leinonen, T, Zolotovskii, I, Melkumov, M, Dianov, EM & Okhotnikov, OG 2015, Power and wavelength scaling using semiconductor disk laser - bismuth fiber MOPA systems. julkaisussa M Guina (Toimittaja), *Vertical External Cavity Surface Emitting Lasers (VECSELs) V.*, 93490E, Proceedings of SPIE, Vuosikerta. 9349, SPIE, BELLINGHAM, Iso-Britannia, 1/01/15. <https://doi.org/10.1117/12.2076805>

Donmez, O, Aydin, M, Ardali, Yildirim, S, Tiraş, E, Erol, A, Puustinen, J, Hilska, J & Guina, M 2020, 'Power loss mechanisms in n-type modulation-doped AlGaAs/GaAsBi quantum well heterostructures', *Semiconductor Science and Technology*, Vuosikerta. 35, Nro 9, 095038. <https://doi.org/10.1088/1361-6641/ab94d9>

Kleiven, D & Akola, J 2020, 'Precipitate formation in aluminium alloys: Multi-scale modelling approach', *Acta Materialia*, Vuosikerta. 195, Sivut 123-131. <https://doi.org/10.1016/j.actamat.2020.05.050>

Lin, Z, Le, T, Song, X, Yao, Y, Li, Z, Moon, KS, Tentzeris, MM & Wong, CP 2013, 'Preparation of water-based carbon nanotube inks and application in the inkjet printing of carbon nanotube gas sensors', *Journal of Electronic Packaging*, Vuosikerta. 135, Nro 1, 011001. <https://doi.org/10.1115/1.4023758>

Suominen, O & Gotchev, A 2015, Preserving natural scene lighting by strobe-lit video. julkaisussa *Image Processing: Algorithms and Systems XIII.*, 939919, SPIE Conference Proceedings, Vuosikerta. 9399, SPIE, IS&T/SPIE ELECTRONIC IMAGING / IMAGE PROCESSING: ALGORITHMS AND SYSTEMS, 1/01/00. <https://doi.org/10.1117/12.2185013>

Heikkinen, JJ, Kivimäki, L, Hytönen, VP, Kulomaa, MS & Hormi, OEO 2012, 'Printable and flexible macroporous organosilica film with high protein adsorption capacity', *Thin Solid Films*, Vuosikerta. 520, Nro 6, Sivut 1934-1937. <https://doi.org/10.1016/j.tsf.2011.09.041>

Del Cerro, PR, Saarinen, M, Massera, J, Norrbo, I, Lastusaari, M & Petit, L 2018, Processing and Characterization of Bioactive Borosilicate Glasses and Scaffolds with Persistent Luminescence. julkaisussa *2018 20th International Conference on Transparent Optical Networks, ICTON 2018*. Vuosikerta. 2018-July, 8473916, Conference proceedings : International Conference on Transparent Optical Networks, IEEE COMPUTER SOCIETY PRESS, 1/07/18. <https://doi.org/10.1109/ICTON.2018.8473916>

Mikkonen, R, Lahokallio, S, Frisk, L & Mäntysalo, M 2018, Processing of printed silver patterns on an ETFE substrate. julkaisussa *Proceedings - 2018 IMAPS Nordic Conference on Microelectronics Packaging, NORDPAC 2018.*, 8423860, IEEE, Sivut 1-7, Oulu, Suomi, 12/06/18. <https://doi.org/10.23919/NORDPAC.2018.8423860>

Vehviläinen, J & Nurmi, J 1995, Processor core for 32 kbit/s G.726 ADPCM codecs. julkaisussa *1995 IEEE International Symposium on Circuits and Systems. ISCAS '95*. Vuosikerta. 3, IEEE, Sivut 1932-1935, Seattle, WA, USA, 30/04/95. <https://doi.org/10.1109/ISCAS.1995.523797>

Wani, OM, Zeng, H, Wasylczyk, P & Priimagi, A 2018, 'Programming Photoresponse in Liquid Crystal Polymer Actuators with Laser Projector', *Advanced Optical Materials*, Vuosikerta. 6, Nro 1, 1700949. <https://doi.org/10.1002/adom.201700949>

Todesco, E, Annarella, M, Ambrosio, G, Apollinari, G, Ballarino, A, Bajas, H, Bajko, M, Bordini, B, Bossert, R, Bottura, L, Cavanna, E, Cheng, D, Chlachidze, G, De Rijk, G, Dimarco, J, Ferracin, P, Fleiter, J, Guinchard, M, Hafalia, A, Holik, E, Izquierdo Bermudez, S, Lackner, F, Marchevsky, M, Loeffler, C, Nobrega, A, Perez, JC, Prestemon, S, Ravaioli, E, Rossi, L, Sabbi, G, Salmi, T, Savary, F, Schmalzle, J, Stoynev, S, Strauss, T, Tartaglia, M, Vallone, G, Velev, G, Wanderer, P, Wang, X, Willering, G & Yu, M 2018, 'Progress on HL-LHC Nb₃Sn Magnets', *IEEE Transactions on Applied Superconductivity*, Vuosikerta. 28, Nro 4, 4008809. <https://doi.org/10.1109/TASC.2018.2830703>

Kulya, MS, Sokolenko, B, Gorodetsky, A & Petrov, NV 2020, Propagation dynamics of ultrabroadband terahertz beams with orbital angular momentum for wireless data transfer. julkaisussa BB Dingel, K Tsukamoto & S Mikroulis (toim), *Broadband Access Communication Technologies XIV.*, 113070J, Proceedings of SPIE - The International Society for Optical Engineering, Vuosikerta. 11307, SPIE, San Francisco, Yhdysvallat, 4/02/20. <https://doi.org/10.1117/12.2547695>

Kwaśny, M, Laudyn, UA, Sala, FA, Piccardi, A, Alberucci, A, Karpierz, MA & Assanto, G 2013, 'Properties of nematicons in low-birefringence nematic liquid crystals', *Photonics Letters of Poland*, Vuosikerta. 5, Nro 1, Sivut 8-10. <https://doi.org/10.4302/plp.2013.1.04>

Marchevsky, M, Turqueti, M, Cheng, DW, Felice, H, Sabbi, G, Salmi, T, Stenvall, A, Chlachidze, G, Ambrosio, G, Ferracin, P, Izquierdo Bermudez, S, Perez, JC & Todesco, E 2016, 'Protection Heater Design Validation for the LARP Magnets Using Thermal Imaging', *IEEE Transactions on Applied Superconductivity*, Vuosikerta. 26, Nro 4, 4003605. <https://doi.org/10.1109/TASC.2016.2530161>

Kantola, E, Leinonen, T, Ranta, S, Tavast, M & Guina, M 2014, Pulsed high-power yellow-orange VECSEL. julkaisussa *Photonics Europe 2014, Semiconductor Lasers and Laser Dynamics VI, April 14-17, 2014, Brussels, Belgium. Proceedings of SPIE*. Vuosikerta. 9134, 91340Z, SPIE Conference Proceedings, Vuosikerta. 9134, SPIE, SPIE CONFERENCE PROCEEDINGS, 1/01/00. <https://doi.org/10.1117/12.2054716>

Guina, M, Isoaho, R, Viheriälä, J, Aho, A, Aho, A & Tukiainen, A 2018, Quantum-well Laser Emitting at 1.2 μm-1.3 μm Window Monolithically Integrated on Ge Substrate. julkaisussa *43rd European Conference on Optical Communication, ECOC 2017*. IEEE, Sivut 1-3, EUROPEAN CONFERENCE ON OPTICAL COMMUNICATION, 1/01/00. <https://doi.org/10.1109/ECOC.2017.8345837>

Marinozzi, V, Bellomo, G, Caiffi, B, Fabbricatore, P, Farinon, S, Salmi, T, Sorbi, M, Stenvall, A & Volpini, G 2017, 'Quench Protection Study of the Eurocircol 16 T cosθ Dipole for the Future Circular Collider (FCC)', *IEEE Transactions on Applied Superconductivity*, Vuosikerta. 27, Nro 4, 4702505. <https://doi.org/10.1109/TASC.2017.2656156>

Marinozzi, V, Ambrosio, G, Ferracin, P, Izquierdo Bermudez, S, Rysti, J, Salmi, T, Sorbi, M & Todesco, E 2016, 'Quench Protection Study of the Updated MQXF for the LHC Luminosity Upgrade (HiLumi LHC)', *IEEE Transactions on Applied Superconductivity*, Vuosikerta. 26, Nro 4, 4001805. <https://doi.org/10.1109/TASC.2016.2523548>

Bulu, I, Caglayan, H & Ozbay, E 2003, 'Radiation properties of sources inside photonic crystals', *Physical Review B - Condensed Matter and Materials Physics*, Vuosikerta. 67, Nro 20. <https://doi.org/10.1103/PhysRevB.67.205103>

Sakho, EHM, Oluwafemi, OS, Perumbilavil, S, Philip, R, Kala, MS, Thomas, S & Kalarikkal, N 2016, 'Rapid and facile synthesis of graphene oxide quantum dots with good linear and nonlinear optical properties', *Journal of Materials Science: Materials in Electronics*, Vuosikerta. 27, Nro 10, Sivut 10926–10933. <https://doi.org/10.1007/s10854-016-5204-z>

Auer, S, Koho, T, Uusi-Kerttula, H, Vesikari, T, Blazevic, V & Hytönen, VP 2015, 'Rapid and sensitive detection of norovirus antibodies in human serum with a biolayer interferometry biosensor', *Sensors and Actuators B: Chemical*, Vuosikerta. 221, Sivut 507-514. <https://doi.org/10.1016/j.snb.2015.06.088>

Li, Z, Le, T, Wu, Z, Yao, Y, Li, L, Tentzeris, M, Moon, KS & Wong, CP 2015, 'Rational design of a printable, highly conductive silicone-based electrically conductive adhesive for stretchable radio-frequency antennas', *Advanced Functional Materials*, Vuosikerta. 25, Nro 3, Sivut 464-470. <https://doi.org/10.1002/adfm.201403275>

Vetter, C, Steinkopf, R, Bergner, K, Ornigotti, M, Nolte, S, Gross, H & Szameit, A 2019, 'Realization of Free-Space Long-Distance Self-Healing Bessel Beams', *Laser and Photonics Reviews*, Vuosikerta. 13, Nro 10, 1900103. <https://doi.org/10.1002/lpor.201900103>

Smirnov, S & Gotchev, A 2015, Real-time depth image-based rendering with layered dis-occlusion compensation and aliasing-free composition. julkaisussa *Proceedings of SPIE - The International Society for Optical Engineering.*, 93990T, SPIE Conference Proceedings, Vuosikerta. 9399, SPIE, IS&T/SPIE ELECTRONIC IMAGING / IMAGE PROCESSING: ALGORITHMS AND SYSTEMS, 1/01/00. <https://doi.org/10.1117/12.2086895>

Ryczkowski, P, Närhi, M, Billet, C, Merolla, JM, Genty, G & Dudley, JM 2018, 'Real-time full-field characterization of transient dissipative soliton dynamics in a mode-locked laser', *Nature Photonics*, Vuosikerta. 12, Sivut 221-227. <https://doi.org/10.1038/s41566-018-0106-7>

Ryczkowski, P, Närhi, M, Billet, C, Merolla, JM, Dudley, JM & Genty, G 2018, Real-time measurements of nonlinear instabilities in optical fibers. julkaisussa *CLEO: Applications and Technology, CLEO_AT 2018*. OSA - The Optical Society, CONFERENCE ON LASERS AND ELECTRO-OPTICS, 1/01/00. https://doi.org/10.1364/CLEO_AT.2018.AF2Q.1

Dudley, JM, Ryczkowski, P, Närhi, M, Billet, C, Merolla, JM, Lapre, C, Meng, F, Lacourt, PA & Genty, G 2019, Real-time measurements of ultrafast instabilities in nonlinear fiber optics: Recent advances. julkaisussa *21st International Conference on Transparent Optical Networks, ICTON 2019*. International Conference on Transparent Optical Networks, IEEE, Angers, Ranska, 9/07/19. <https://doi.org/10.1109/ICTON.2019.8840476>

Assanto, G, Smyth, NF & Xia, W 2012, 'Refraction of nonlinear light beams in nematic liquid crystals', *Journal of Nonlinear Optical Physics and Materials*, Vuosikerta. 21, Nro 3, 1250033. <https://doi.org/10.1142/S0218863512500336>

Veber, A, Smedskjaer, MM & de Ligny, D 2020, 'Relaxation behavior of densified sodium aluminoborate glass', *Acta Materialia*, Vuosikerta. 198, Sivut 153-167. <https://doi.org/10.1016/j.actamat.2020.07.068>

Frisk, L, Lahokallio, S & Kiilunen, J 2016, Reliability of ACA interconnections on microvia HDI PCBs in thermal cycling conditions. julkaisussa J Kutilainen (Toimittaja), *IMAPS Nordic Annual Conference 2016 Proceedings*. IMAPS-International Microelectronics and Packaging Society, Tonsberg, Norja, 5/06/16.

Suhonen, T, Varis, T, Dosta, S, Torrell, M & Guilemany, JM 2013, 'Residual stress development in cold sprayed Al, Cu and Ti coatings', *Acta Materialia*, Vuosikerta. 61, Nro 17, Sivut 6329-6337. <https://doi.org/10.1016/j.actamat.2013.06.033>

Miller, TL, Ärrälä, M, Smallwood, CL, Zhang, W, Hafiz, H, Barbiellini, B, Kurashima, K, Adachi, T, Koike, Y, Eisaki, H, Lindroos, M, Bansil, A, Lee, DH & Lanzara, A 2015, 'Resolving unoccupied electronic states with laser ARPES in bismuth-based cuprate superconductors', *Physical Review B*, Vuosikerta. 91, Nro 8, 085109. <https://doi.org/10.1103/PhysRevB.91.085109>

Trujillo-Sevilla, JM, Katkovnik, V, Javidi, B & Rodríguez-Ramos, JM 2016, 'Restoring Integral Images from Focal Stacks Using Compressed Sensing Techniques', *Journal of Display Technology*, Vuosikerta. 12, Nro 7, Sivut 701-706. <https://doi.org/10.1109/JDT.2016.2522922>

Joost, U, Sutka, A, Oja, M, Smits, K, Doebelin, N, Loot, A, Järvekülg, M, Hirsimäki, M, Valden, M & Nommiste, E 2018, 'Reversible photodoping of TiO₂ nanoparticles', *Chemistry of Materials*, Vuosikerta. 30, Nro 24, Sivut 8968-8974. <https://doi.org/10.1021/acs.chemmater.8b04813>

Dejean, G, Lakafosis, V, Traille, A, Lee, H, Gebara, E, Tentzeris, M & Kirovski, D 2011, RFDNA: A wireless authentication system on flexible substrates. julkaisussa *2011 IEEE 61st Electronic Components and Technology Conference, ECTC 2011.*, 5898684, Sivut 1332-1337, Lake Buena Vista, FL, Yhdysvallat, 31/05/11. <https://doi.org/10.1109/ECTC.2011.5898684>

Myllymäki, S, Putaala, J, Hannu, J, Kunnari, E & Mäntysalo, M 2016, 'RF measurements to pinpoint defects in inkjet-printed, thermally and mechanically stressed coplanar waveguides', *Microelectronics Reliability*, Vuosikerta. 65, Sivut 142-150. <https://doi.org/10.1016/j.microrel.2016.08.021>

Akhmediev, N, Kibler, B, Baronio, F, Belić, M, Zhong, WP, Zhang, Y, Chang, W, Soto-Crespo, JM, Vouzas, P, Grelu, P, Lecaplain, C, Hammani, K, Rica, S, Picozzi, A, Tlidi, M, Panajotov, K, Mussot, A, Bendahmane, A, Szriftgiser, P, Genty, G, Dudley, J, Kudlinski, A, Demircan, A, Morgner, U, Amiranashvili, S, Bree, C, Steinmeyer, G, Masoller, C, Broderick, NGR, Runge, AFJ, Erkintalo, M, Residori, S, Bortolozzo, U, Arecchi, FT, Wabnitz, S, Tiofack, CG, Coulibaly, S & Taki, M 2016, 'Roadmap on optical rogue waves and extreme events', *Journal of Optics*, Vuosikerta. 18, Nro 6, 063001. <https://doi.org/10.1088/2040-8978/18/6/063001>

Şahin, E & Onural, L 2012, 'Scalar diffraction field calculation from curved surfaces via Gaussian beam decomposition', *Journal of the Optical Society of America A: Optics Image Science and Vision*, Vuosikerta. 29, Nro 7, Sivut 1459-1469. <https://doi.org/10.1364/JOSAA.29.001459>

Suikkola, J, Kankkunen, T, Iso-Ketola, P, Vanhala, J & Mäntysalo, M 2016, Screen-Printed Stretchable Interconnects. julkaisussa *Proceedings - ECTC 2016: 66th Electronic Components and Technology Conference*. IEEE, Sivut 1650-1655, Yhdysvallat, 1/01/00. <https://doi.org/10.1109/ECTC.2016.132>

Tuominen, S & Mäntysalo, M 2019, Screen printed temporary tattoos for skin-mounted electronics. julkaisussa *IEEE 69th Electronic Components and Technology Conference, ECTC 2019*. IEEE, Sivut 1252-1257, Las Vegas, Yhdysvallat, 28/05/19. <https://doi.org/10.1109/ECTC.2019.00194>

Belahcen, A, Rasilo, P & Arkkio, A 2014, 'Segregation of iron losses from rotational field measurements and application to electrical machine', *IEEE Transactions on Magnetics*, Vuosikerta. 50, Nro 2, 7022104. <https://doi.org/10.1109/TMAG.2013.2284606>

Chang, B, Sariola, V, Jääskeläinen, M & Zhou, Q 2011, 'Self-alignment in the stacking of microchips with mist-induced water droplets', *Journal of Micromechanics and Microengineering*, Vuosikerta. 21, Nro 1, 015016. <https://doi.org/10.1088/0960-1317/21/1/015016>

Chang, B, Routa, I, Sariola, V & Zhou, Q 2011, 'Self-alignment of RFID dies on four-pad patterns with water droplet for sparse self-assembly', *Journal of Micromechanics and Microengineering*, Vuosikerta. 21, Nro 9, 095024. <https://doi.org/10.1088/0960-1317/21/9/095024>

Ouskova, E, Vapaavuori, J & Kaivola, M 2011, 'Self-orienting liquid crystal doped with polymer-azo-dye complex', *Optical Materials Express*, Vuosikerta. 1, Nro 8, Sivut 1463-1470.

Lahtinen, V & Stenvall, A 2020, 'Semantics of HTS AC Loss Modeling: Theories, Models, and Experiments', *IEEE Transactions on Applied Superconductivity*, Vuosikerta. 30, Nro 5, 5900809. <https://doi.org/10.1109/TASC.2020.2976619>

Nair, DG, Rasilo, P & Arkkio, A 2018, 'Sensitivity Analysis of Inverse Thermal Modeling to Determine Power Losses in Electrical Machines', *IEEE Transactions on Magnetics*, Vuosikerta. 54, Nro 11, 8109405. <https://doi.org/10.1109/TMAG.2018.2853084>

Wang, Y, Xie, G, Xu, X, Di, J, Qin, Z, Suomalainen, S, Guina, M, Härkönen, A, Agnesi, A, Griebner, U, Mateos, X, Loiko, P & Petrov, V 2015, SESAM mode-locked Tm: CALGO laser at 2 µm. julkaisussa *Advanced Solid State Lasers, ASSL 2015.*, AW1A.2, Optical Society of America OSA, Iso-Britannia, 1/01/00. <https://doi.org/10.1364/ASSL.2015.AW1A.2>

- Saleh, A, Ryczkowski, P, Genty, G & Toivonen, J 2019, Short-range supercontinuum based lidar for combustion diagnostics. julkaisussa M Kimata & CR Valenta (toim), *SPIE Future Sensing Technologies.*, 111970Y, Proceedings of SPIE, Vuosikerta. 11197, SPIE, IEEE, Tokyo, Japani, 14/11/19. <https://doi.org/10.1117/12.2542720>
- Goh, J-Q, Malola, S, Häkkinen, H & Akola, J 2015, 'Silver sulfide nanoclusters and the superatom model', *Journal of Physical Chemistry C*, Vuosikerta. 119, Nro 3, Sivut 1583-1590. <https://doi.org/10.1021/jp511037x>
- Valkealahti, S & Manninen, M 1994, 'Simulation of cluster growth using a lattice gas model', *Physical Review B*, Vuosikerta. 50, Nro 23, Sivut 17564-17574. <https://doi.org/10.1103/PhysRevB.50.17564>
- Dumitrescu, M, Uusitalo, T, Virtanen, H, Laakso, A, Bardella, P & Montrosset, I 2016, Simulation of photon-photon resonance enhanced direct modulation bandwidth of DFB lasers. julkaisussa *16th International Conference on Numerical Simulation of Optoelectronic Devices, NUSOD 2016*. IEEE, Sivut 147-148, International Conference on Numerical Simulation of Optoelectronic Devices, 1/01/00. <https://doi.org/10.1109/NUSOD.2016.7547075>
- Virtanen, H, Uusitalo, T & Dumitrescu, M 2016, Simulation studies of DFB laser longitudinal structures for narrow linewidth emission. julkaisussa *16th International Conference on Numerical Simulation of Optoelectronic Devices, NUSOD 2016*. IEEE, Sivut 153-154, International Conference on Numerical Simulation of Optoelectronic Devices, 1/01/00. <https://doi.org/10.1109/NUSOD.2016.7547078>
- Virtanen, H, Uusitalo, T & Dumitrescu, M 2017, 'Simulation studies of DFB laser longitudinal structures for narrow linewidth emission', *Optical and Quantum Electronics*, Vuosikerta. 49, Nro 4, 160. <https://doi.org/10.1007/s11082-017-0993-8>
- Frantc, VA, Makov, SV, Voronin, VV, Marchuk, VI, Semenishchev, EA, Egiazarian, KO & Agaian, S 2016, Simultaneous binary hash and features learning for image retrieval. julkaisussa *Mobile Multimedia/Image Processing, Security, and Applications 2016.*, 986902, SPIE Conference Proceedings, Vuosikerta. 9869, SPIE, 1/01/00. <https://doi.org/10.1117/12.2223605>
- Kocsis, P, Shevkunov, I, Katkovnik, V & Egiazarian, K 2019, Single exposure lensless subpixel phase imaging. julkaisussa BC Kress & P Schelkens (toim), *Digital Optical Technologies 2019*. Proceedings of SPIE - The International Society for Optical Engineering, Vuosikerta. 11062, SPIE, IEEE, Munich, Saksa, 24/06/19. <https://doi.org/10.1117/12.2525679>
- Slablab, A, Le Xuan, L, Zhou, C, Chauvat, D, De Wilde, Y, Perruchas, S, Tard, C, Gacoin, T, Villeval, P & Roch, JF 2009, Single KTiOPO4 nanocrystals for nonlinear probing of local optical fields and interaction with a metallic nanostructure. julkaisussa *CLEO/Europe - EQEC 2009 - European Conference on Lasers and Electro-Optics and the European Quantum Electronics Conference.*, 5192089, Munich, Saksa, 14/06/09. <https://doi.org/10.1109/CLEOE-EQEC.2009.5192089>
- Gadelovits, S, Sitbon, M, Suntio, T & Kuperman, A 2015, 'Single-source multibattery solar charger: Case study and implementation issues', *Progress in Photovoltaics: Research and Applications*, Vuosikerta. 23, Nro 12, Sivut 1916-1928. <https://doi.org/10.1002/ppp.2591>
- Hakkarainen, T, Tommila, J, Schramm, A, Simonen, J, Niemi, T, Strelow, C, Kipp, T, Kontio, J & Guina, M 2016, Site-controlled InAs Quantum Dots for Plasmonics. julkaisussa *Conference on Lasers and Electro-Optics 2016: QELS_Fundamental Science.*, FM1B.3, OSA - The Optical Society, CONFERENCE ON LASERS AND ELECTRO-OPTICS, 1/01/00. https://doi.org/10.1364/CLEO_QELS.2016.FM1B.3
- Borah, D, Rasappa, S, Salaun, M, Zellsman, M, Lorret, O, Lontos, G, Ntetsikas, K, Avgeropoulos, A & Morris, MA 2015, 'Soft graphoepitaxy for large area directed self-assembly of polystyrene-block-poly(dimethylsiloxane) block copolymer on nanopatterned poss substrates fabricated by nanoimprint lithography', *Advanced Functional Materials*, Vuosikerta. 25, Nro 22, Sivut 3425-3432. <https://doi.org/10.1002/adfm.201500100>
- Kolesnik, S, Sitbon, M, Lineykin, S, Batzelis, E, Papatthanassiou, S, Suntio, T & Kuperman, A 2017, 'Solar Irradiation Independent Expression for Photovoltaic Generator Maximum Power Line', *IEEE Journal of Photovoltaics*, Vuosikerta. 7, Nro 5, Sivut 1416-1420. <https://doi.org/10.1109/JPHOTOV.2017.2713404>

Alberucci, A, Piccardi, A, Kravets, N, Buchnev, O & Assanto, G 2015, 'Soliton enhancement of spontaneous symmetry breaking', *Optica*, Vuosikerta. 2, Nro 9, Sivut 783-789. <https://doi.org/10.1364/OPTICA.2.000783>

Hu, J, Mawst, L, Moss, S, Petit, L & Ting, D (toim) 2018, 'Special Issue: Mid-infrared optical materials and their device applications', *Optical Materials Express*, Vuosikerta. 8, Nro 7.

Luo, Z, Bao, Q, Caglayan, H, Jia, B & Zhang, H (toim) 2020, 'Special Issue: Novel Optical and Photonic Devices based on 2D Materials', *Optical Materials Express*, Vuosikerta. 10, Nro 6.

Alekseev, A, Ihalainen, P, Ivanov, A, Domnin, I, Rosqvist, E, Lemmetyinen, H, Vuorimaa-Laukkanen, E, Peltonen, J & Vyaz'min, S 2018, 'Stable blue phase polymeric Langmuir-Schaefer films based on unsymmetrical hydroxyalkadiynyl N-arylcarbamate derivatives', *Thin Solid Films*, Vuosikerta. 645, Sivut 108-118. <https://doi.org/10.1016/j.tsf.2017.10.018>

Ustimchik, VE, Vyatkin, MY, Popov, SM, Chamorovskii, YK, Filippov, VN & Nikitov, SA 2016, 'State of polarization in anisotropic tapered fiber with extremely large core diameter' Artikkelin esitetty, St. Petersburg, Venäjä, 27/06/16 - 1/07/16, Sivut S123. <https://doi.org/10.1109/LO.2016.7549956>

Laurila, MM, Khorramdel, B, Dastpak, A & Mäntysalo, M 2017, 'Statistical analysis of E-jet print parameter effects on Ag-nanoparticle ink droplet size', *Journal of Micromechanics and Microengineering*, Vuosikerta. 27, Nro 9, 095005. <https://doi.org/10.1088/1361-6439/aa7a71>

Kirby, G, Rossi, L, Badel, A, Bajko, M, Ballarino, A, Bottura, L, Dhalle, M, Durante, M, Fazilleau, P, Fleiter, J, Goldacker, W, Härö, E, Himbele, J, Kario, A, Langeslag, S, Lorin, C, Murtzomaki, J, Van Nugteren, J, De Rijk, G, Salmi, T, Senatore, C, Stenvall, A, Tixador, P, Usoskin, A, Volpini, G, Yang, Y & Zangenberg, N 2016, 'Status of the Demonstrator Magnets for the EuCARD-2 Future Magnets Project', *IEEE Transactions on Applied Superconductivity*, Vuosikerta. 26, Nro 3, 4003307. <https://doi.org/10.1109/TASC.2016.2528544>

Stumpel, JE, Gil, ER, Spoelstra, AB, Bastiaansen, CWM, Broer, DJ & Schenning, APHJ 2015, 'Stimuli-Responsive Materials Based on Interpenetrating Polymer Liquid Crystal Hydrogels', *Advanced Functional Materials*, Vuosikerta. 25, Nro 22, Sivut 3314-3320. <https://doi.org/10.1002/adfm.201500745>

Stumpel, JE, Broer, DJ & Schenning, APHJ 2014, 'Stimuli-responsive photonic polymer coatings', *Chemical Communications*, Vuosikerta. 50, Nro 100, Sivut 15839-15848. <https://doi.org/10.1039/c4cc05072j>

Bottura, L, Bonasia, A, Borgnolutti, F, Gaertner, W, Le Naour, S, Oberli, L, Peiro, G, Richter, D, Salmi, T, Sikler, G & Willering, G 2011, 'Strand and cable R&D for fast cycled magnets at CERN', *IEEE Transactions on Applied Superconductivity*, Vuosikerta. 21, Nro 3 PART 2, Sivut 2354-2358. <https://doi.org/10.1109/TASC.2011.2105236>

Zang, X & Lalanne, P 2013, Strong localization in unintentional disordered photonics crystal waveguides. julkaisussa *2013 7th International Congress on Advanced Electromagnetic Materials in Microwaves and Optics, METAMATERIALS 2013*. IEEE COMPUTER SOCIETY PRESS, Sivut 322-324, Bordeaux, Ranska, 16/09/13. <https://doi.org/10.1109/MetaMaterials.2013.6809040>

Rajala, S, Mettänen, M & Tuukkanen, S 2016, 'Structural and Electrical Characterization of Solution-Processed Electrodes for Piezoelectric Polymer Film Sensors', *IEEE Sensors Journal*, Vuosikerta. 16, Nro 6, Sivut 1692-1699. <https://doi.org/10.1109/JSEN.2015.2504956>

Tainio, JM, Salazar, DAA, Nommeots-Nomm, A, Roiland, C, Bureau, B, Neuville, DR, Brauer, DS & Massera, J 2020, 'Structure and in vitro dissolution of Mg and Sr containing borosilicate bioactive glasses for bone tissue engineering', *Journal of Non-Crystalline Solids*, Vuosikerta. 533, 119893. <https://doi.org/10.1016/j.jnoncrysol.2020.119893>

Marinozzi, V, Ambrosio, G, Bellomo, G, Chlachidze, G, Felice, H, Marchevsky, M, Salmi, T, Sorbi, M & Todesco, E 2015, 'Study of quench protection for the Nb₃Sn low-β quadrupole for the LHC luminosity upgrade (HiLumi-LHC)', *IEEE Transactions on Applied Superconductivity*, Vuosikerta. 25, Nro 3, 4002905. <https://doi.org/10.1109/TASC.2014.2383435>

Mathew, S, Koskinen, K, Czaplicki, R, Pradeep, C, Kailasnath, M, GVallabhan, CP, Kauranen, M & Radhakrishnan, P 2014, Study of second-harmonic generation from CdS nanostructured thin film. julkaisussa *12th International Conference on Fiber Optics and Photonics.*, M4A.46, Optical Society of America (OSA), International Conference on Fibre Optics and Photonics, 1/01/00. <https://doi.org/10.1364/PHOTONICS.2014.M4A.46>

Zhao, Y, Wang, Y, Zhang, X, Mateos, X, Pan, Z, Loiko, P, Zhou, W, Xu, X, Xu, J, Shen, D, Suomalainen, S, Härkönen, A, Guina, M, Griebner, U & Petrov, V 2018, Sub-100 fs pulse generation from a Tm,Ho: CALYO laser mode-locked by a GaSb-based SESAM at ~2043 nm. julkaisussa *CLEO: Science and Innovations, CLEO_SI 2018*. OSA - The Optical Society, CONFERENCE ON LASERS AND ELECTRO-OPTICS, 1/01/00. https://doi.org/10.1364/CLEO_SI.2018.SF2N.1

Nikkinen, J, Savitski, V, Reilly, S, Dziechciarczyk, L, Härkönen, A, Kemp, A & Guina, M 2018, 'Sub-100 ps monolithic diamond Raman laser emitting at 573 nm', *IEEE Photonics Technology Letters*, Vuosikerta. 30, Nro 11, Sivut 981-984. <https://doi.org/10.1109/LPT.2018.2806183>

Wang, Y, Jing, W, Loiko, P, Zhao, Y, Huang, H, Suomalainen, S, Härkönen, A, Guina, M, Mateos, X, Griebner, U & Petrov, V 2017, Sub-10 optical-cycle mode-locked Tm:(Lu₂/3Sc₁/3)2O₃ mixed ceramic laser at 2057 nm. julkaisussa *Advanced Solid State Lasers 2017: Nagoya, Aichi Japan 1-5 October 2017.*, ATu6A.4, The Optical Society; OSA, Nagoya, Aichi, Japan, 1/10/17. <https://doi.org/10.1364/ASSL.2017.ATu6A.4>

Bitarafan, MH, Suomala, S & Toivonen, J 2020, 'Sub-microwatt direct laser writing of fluorescent gold nanoclusters in polymer films', *Optical Materials Express*, Vuosikerta. 10, Nro 1, Sivut 138-148. <https://doi.org/10.1364/OME.381901>

Tomberg, T, Vainio, M, Hieta, T & Halonen, L 2018, Sub-parts-per-trillion sensitivity in trace gas detection by cantilever-enhanced photo-acoustic spectroscopy. julkaisussa *CLEO: Applications and Technology, CLEO_AT 2018*. OSA - The Optical Society, CONFERENCE ON LASERS AND ELECTRO-OPTICS, 1/01/00. https://doi.org/10.1364/CLEO_AT.2018.ATH10.8

Lyly, M, Krooshoop, E, Lübke, R, Wessel, S, Stenvall, A, Dhalle, M & Mikkonen, R 2015, 'Suitability of bundle approximation in AC loss analysis of NbTi wires: Simulations and experiment', *IEEE Transactions on Applied Superconductivity*, Vuosikerta. 25, Nro 3. <https://doi.org/10.1109/TASC.2014.2376184>

Salmi, T, Prioli, M, Stenvall, A, Ruuskanen, J, Verweij, AP, Auchmann, B & Marinozzi, V 2017, 'Suitability of Different Quench Protection Methods for a 16 T Block-Type Nb₃Sn Accelerator Dipole Magnet', *IEEE Transactions on Applied Superconductivity*, Vuosikerta. 27, Nro 4, 4702305. <https://doi.org/10.1109/TASC.2017.2651386>

Goh, JQ & Akola, J 2015, 'Superatom Model for Ag-S Nanocluster with Delocalized Electrons', *Journal of Physical Chemistry C*, Vuosikerta. 119, Nro 36, Sivut 21165-21172. <https://doi.org/10.1021/acs.jpcc.5b05824>

Orsila, L, Sand, J, Närhi, M, Genty, G & Steinmeyer, G 2015, 'Supercontinuum generation as a signal amplifier', *Optica*, Vuosikerta. 2, Nro 8, Sivut 757-764. <https://doi.org/10.1364/OPTICA.2.000757>

Julku, A, Peltonen, TJ, Liang, L, Heikkilä, TT & Törmä, P 2020, 'Superfluid weight and Berezinskii-Kosterlitz-Thouless transition temperature of twisted bilayer graphene', *Physical Review B*, Vuosikerta. 101, Nro 6, 060505. <https://doi.org/10.1103/PhysRevB.101.060505>

Rondin, L, Dantelle, G, Slablab, A, Grosshans, F, Treussart, F, Bergonzo, P, Perruchas, S, Gacoin, T, Chaigneau, M, Chang, HC, Jacques, V & Roch, JF 2010, 'Surface-induced charge state conversion of nitrogen-vacancy defects in nanodiamonds', *Physical Review B*, Vuosikerta. 82, Nro 11, 115449. <https://doi.org/10.1103/PhysRevB.82.115449>

Koskela, JE, Vapaavuori, J, Hautala, J, Priimagi, A, Faul, CFJ, Kaivola, M & Ras, RHA 2012, 'Surface-relief gratings and stable birefringence inscribed using light of broad spectral range in supramolecular polymer-bisazobenzene complexes', *Journal of Physical Chemistry C*, Vuosikerta. 116, Nro 3, Sivut 2363-2370. <https://doi.org/10.1021/jp210706n>

Achimova, E, Abaskin, V, Cazac, V, Meshalkin, A, Pedrini, G, Claus, D, Shevkunov, I & Katkovnik, V 2018, Surface topography studied by off-axis digital holography. julkaisussa *Novel Optical Materials and Applications, NOMA 2018*. Vuosikerta. Part F107-NOMA 2018, OSA - The Optical Society, Zurich, Sveitsi, 2/07/18. <https://doi.org/10.1364/NOMA.2018.NoW1J.7>

Xu, L, Saerens, G, Timofeeva, M, Miroshnichenko, AE, Camacho-Morales, R, Volkovskaya, I, Smirnova, DA, Lysevych, M, Huang, L, Cai, M, Karouta, F, Hoe Tan, H, Kauranen, M, Jagadish, C, Grange, R, Neshev, DN & Rahmani, M 2019, Switchable unidirectional second-harmonic emission through GaAs nanoantennas. julkaisussa A Mitchell & H Rubinsztein-Dunlop (toim), *AOS Australian Conference on Optical Fibre Technology, ACOFT 2019 and Australian Conference on Optics, Lasers, and Spectroscopy, ACOLS 2019.*, 11200J, Proceedings of SPIE - The International Society for Optical Engineering, Vuosikerta. 11200, SPIE, Melbourne, Australia, 9/12/19. <https://doi.org/10.1117/12.2539887>

Wang, Q, Sun, Z, Rotenberg, E, Ronning, F, Bauer, ED, Lin, H, Markiewicz, RS, Lindroos, M, Barbiellini, B, Bansil, A & Dessau, DS 2013, 'Symmetry-broken electronic structure and uniaxial Fermi surface nesting of untwinned CaFe 2 As 2', *Physical Review B*, Vuosikerta. 88, Nro 23, 235125. <https://doi.org/10.1103/PhysRevB.88.235125>

Qu, Y, Tiensyrjä, K, Soininen, JP & Nurmi, J 2007, System-level design for partially reconfigurable hardware. julkaisussa *2007 IEEE International Symposium on Circuits and Systems*. Sivut 2738-2741, New Orleans, LA, Yhdysvallat, 27/05/07. <https://doi.org/10.1109/ISCAS.2007.378619>

Sautter, J, Xu, L, Miroshnichenko, A, Lysevych, M, Volkovskaya, I, Smirnova, D, Camacho Morales, M, Zangeneh Kamali, K, Karouta, F, Vora, K, Tan, HH, Kauranen, M, Staude, I, Jagadish, C, Neshev, DN & Rahmani, M 2019, Tailoring directional scattering of second-harmonic generation from (111)-GaAs nanoantennas. julkaisussa A Mitchell & H Rubinsztein-Dunlop (toim), *AOS Australian Conference on Optical Fibre Technology, ACOFT 2019 and Australian Conference on Optics, Lasers, and Spectroscopy, ACOLS 2019.*, 11200H, Proceedings of SPIE - The International Society for Optical Engineering, Vuosikerta. 11200, SPIE, Melbourne, Australia, 9/12/19. <https://doi.org/10.1117/12.2539086>

Henno, J, Jaakkola, H & Mäkelä, J 2019, Teaching for virtual work. julkaisussa K Skala, Z Car, P Pale, D Huljenic, M Janjic, M Koricic, V Sruk, S Ribaric, TG Grbac, Z Butkovic, M Cicin-Sain, D Skvorc, M Mauher, S Babic, S Gros, B Vrdoljak & E Tijan (toim), *2019 42nd International Convention on Information and Communication Technology, Electronics and Microelectronics, MIPRO 2019 - Proceedings*. IEEE, Sivut 818-826, Opatija, Croatia, 20/05/19. <https://doi.org/10.23919/MIPRO.2019.8756778>

Wu, H, Ryczkowski, P, Friberg, AT, Dudley, JM & Genty, G 2019, 'Temporal ghost imaging using wavelength conversion and two-color detection', *Optica*, Vuosikerta. 6, Nro 7, Sivut 902-906. <https://doi.org/10.1364/OPTICA.6.000902>

Bajas, H, Ambrosio, G, Anerella, M, Bajko, M, Bossert, R, Bottura, L, Caspi, S, Cheng, D, Chiuchiolo, A, Chlachidze, G, Dietderich, D, Felice, H, Ferracin, P, Feuvrier, J, Ghosh, A, Giloux, C, Godeke, A, Hafalia, AR, Marchevsky, M, Ravaioli, E, Sabbi, GL, Salmi, T, Schmalzle, J, Todesco, E, Wanderer, P, Wang, X & Yu, M 2015, 'Test results of the LARP HQ02b magnet at 1.9 K', *IEEE Transactions on Applied Superconductivity*, Vuosikerta. 25, Nro 3, 4003306. <https://doi.org/10.1109/TASC.2014.2378375>

DiMarco, J, Ambrosio, G, Anerella, M, Bajas, H, Chlachidze, G, Borgnolutti, F, Bossert, R, Cheng, D, Dietderich, D, Felice, H, Holik, T, Pan, H, Ferracin, P, Ghosh, A, Godeke, A, Hafalia, AR, Marchevsky, M, Orris, D, Ravaioli, E, Sabbi, G, Salmi, T, Schmalzle, J, Stoynev, S, Strauss, T, Sylvester, C, Tartaglia, M, Todesco, E, Wanderer, P, Wang, X & Yu, M 2016, 'Test Results of the LARP Nb₃Sn Quadrupole HQ03a', *IEEE Transactions on Applied Superconductivity*, Vuosikerta. 26, Nro 4, 4005105. <https://doi.org/10.1109/TASC.2016.2528283>

Tommasini, D, Auchmann, B, Bajas, H, Bajko, M, Ballarino, A, Bellomo, G, Benedikt, M, Bermudez, SI, Bordini, B, Bottura, L, Buzio, M, Dhallo, M, Durante, M, De Rijk, G, Fabbricatore, P, Farinon, S, Ferracin, P, Gao, P, Lackner, F, Lorin, C, Marinozzi, V, Martinez, T, Munilla, J, Ogitsu, T, Ortwein, R, Perez, J, Prioli, M, Rifflet, JM, Rochepault, E, Russenschuck, S, Salmi, T, Savary, F, Schoerling, D, Segreti, M, Senatore, C, Sorbi, M, Stenvall, A, Todesco, E, Toral, F, Verweij, AP, Volpini, G, Wessel, S & Wolf, F 2017, 'The 16 T Dipole Development Program for FCC', *IEEE Transactions on Applied Superconductivity*, Vuosikerta. 27, Nro 4, 4000405. <https://doi.org/10.1109/TASC.2016.2634600>

Kaunisto, K, Kotilainen, M, Karhu, M, Lagerbom, J, Vuorinen, T, Honkanen, M, Vippola, M & Turunen, E 2018, 'The effect of carbon and nickel additions on the precursor synthesis of Cr_3C_2 -Ni nanopowder', *Ceramics International*, Vuosikerta. 44, Nro 8, Sivut 9338-9346. <https://doi.org/10.1016/j.ceramint.2018.02.146>

Selim, B, Sofotasios, PC, Muhaidat, S & Karagiannidis, GK 2017, The effects of I/Q imbalance on wireless communications: A survey. julkaisussa *2016 IEEE 59th International Midwest Symposium on Circuits and Systems (MWSCAS)*. IEEE, MIDWEST SYMPOSIUM ON CIRCUITS AND SYSTEMS, 1/01/00. <https://doi.org/10.1109/MWSCAS.2016.7870102>

Goyos-Ball, L, Prado, C, Díaz, R, Fernández, E, Ismailov, A, Kumpulainen, T, Levänen, E, Torrecillas, R & Fernández, A 2018, 'The effects of laser patterning $10\text{CeTZP-Al}_2\text{O}_3$ nanocomposite disc surfaces: Osseous differentiation and cellular arrangement in vitro', *Ceramics International*, Vuosikerta. 44, Nro 8, Sivut 9472-9478. <https://doi.org/10.1016/j.ceramint.2018.02.164>

Rossi, L, Badel, A, Bajko, M, Ballarino, A, Bottura, L, Dhallé, MMJ, Durante, M, Fazilleau, P, Fleiter, J, Goldacker, W, Härö, E, Kario, A, Kirby, G, Lorin, C, Van Nugteren, J, De Rijk, G, Salmi, T, Senatore, C, Stenvall, A, Tixador, P, Usoskin, A, Volpini, G, Yang, Y & Zangenberg, N 2015, 'The EuCARD-2 future magnets European collaboration for accelerator-quality HTS magnets', *IEEE Transactions on Applied Superconductivity*, Vuosikerta. 25, Nro 3, 4001007. <https://doi.org/10.1109/TASC.2014.2364215>

Rossi, L, Badel, A, Bajas, H, Bajko, M, Ballarino, A, Barth, C, Betz, U, Bottura, L, Broggi, F, Chiuchiolo, A, Dhalle, M, Durante, M, Fazilleau, P, Fleiter, J, Gao, P, Goldacker, W, Kario, A, Kirby, G, Lorin, C, Murtomaeki, JS, van Nugteren, J, Petrone, C, DeRijk, G, Senatore, C, Statera, M, Stenvall, A, Tixador, P, Yang, Y, Usoskin, A & Zangenberg, N 2018, 'The EuCARD2 Future Magnets Program for particle accelerator high field dipoles: review of results and next steps', *IEEE Transactions on Applied Superconductivity*, Vuosikerta. 28, Nro 3. <https://doi.org/10.1109/TASC.2017.2784357>

Salmi, T & Stenvall, A 2016, 'The Impact of Protection Heater Delays Distribution on the Hotspot Temperature in a High-Field Accelerator Magnet', *IEEE Transactions on Applied Superconductivity*, Vuosikerta. 26, Nro 4, 4001405. <https://doi.org/10.1109/TASC.2016.2517238>

Caglayan, H & Ozbay, E 2009, The magical world of metamaterials. julkaisussa *Photonic Materials, Devices, and Applications III*. Vuosikerta. 7366, 73660X, Proceedings of SPIE, Vuosikerta. 7366, Dresden, Saksa, 4/05/09. <https://doi.org/10.1117/12.821407>

Valkealahti, S & Welch, DO 1989, 'Theoretical studies of structural properties of the high- T_c superconductor $\text{Y}_{1-x}\text{Ba}_2\text{Cu}_3\text{O}_{7-x}$ ', *Physica C: Superconductivity and its Applications*, Vuosikerta. 162-164, Nro PART 1, Sivut 540-541. [https://doi.org/10.1016/0921-4534\(89\)91145-3](https://doi.org/10.1016/0921-4534(89)91145-3)

Alekseev, A, Ihalainen, P, Ivanov, A, Domnin, I, Klechkovskaya, V, Orekhov, A, Lemmetyinen, H, Vuorimaa-Laukkanen, E, Peltonen, J & Vyaz'min, S 2016, 'The red, purple and blue modifications of polymeric unsymmetrical hydroxyalkadiynyl-N-arylcarbamate derivatives in Langmuir-Schaefer films', *Thin Solid Films*, Vuosikerta. 612, Sivut 463-471. <https://doi.org/10.1016/j.tsf.2016.06.044>

Yi, X, Vyas, R, Cho, C, Fang, CH, Cooper, J, Wang, Y, Leon, RT & Tentzeris, MM 2012, Thermal effects on a passive wireless antenna sensor for strain and crack sensing. julkaisussa *Sensors and Smart Structures Technologies for Civil, Mechanical, and Aerospace Systems 2012*. Vuosikerta. 8345, 83450F, San Diego, CA, Yhdysvallat, 12/03/12. <https://doi.org/10.1117/12.914833>

Kylänpää, I, Cavaliere, F, Ziani, NT, Sassetti, M & Räsänen, E 2016, 'Thermal effects on the Wigner localization and Friedel oscillations in many-electron nanowires', *Physical Review B*, Vuosikerta. 94, Nro 11, 115417. <https://doi.org/10.1103/PhysRevB.94.115417>

Sorianello, V, Colace, L, Assanto, G, Notargiacomo, A, Armani, N, Rossi, F & Ferrari, C 2011, 'Thermal evaporation of Ge on Si for near infrared detectors: Material and device characterization', *Microelectronic Engineering*, Vuosikerta. 88, Nro 4, Sivut 526-529. <https://doi.org/10.1016/j.mee.2010.09.024>

- Sorianello, V, Colace, L, Nardone, M & Assanto, G 2011, 'Thermally evaporated single-crystal Germanium on Silicon', *Thin Solid Films*, Vuosikerta. 519, Nro 22, Sivut 8037-8040. <https://doi.org/10.1016/j.tsf.2011.06.023>
- Soltani, I, Hraiech, S, Horchani-Naifer, K, Massera, J, Petit, L & Férid, M 2016, 'Thermal, structural and optical properties of Er³⁺ doped phosphate glasses containing silver nanoparticles', *Journal of Non-Crystalline Solids*, Vuosikerta. 438, Sivut 67-73. <https://doi.org/10.1016/j.jnoncrysol.2015.12.022>
- Borah, D, Rasappa, S, Senthamaraiannan, R, Shaw, MT, Holmes, JD & Morris, MA 2013, 'The sensitivity of random polymer brush-lamellar polystyrene-b-polymethylmethacrylate block copolymer systems to process conditions', *Journal of Colloid and Interface Science*, Vuosikerta. 393, Nro 1, Sivut 192-202. <https://doi.org/10.1016/j.jcis.2012.10.070>
- Yi, X, Wu, T, Lantz, G, Wang, Y, Leon, RT & Tentzeris, MM 2011, Thickness variation study of RFID-based folded patch antennas for strain sensing. julkaisussa *Sensors and Smart Structures Technologies for Civil, Mechanical, and Aerospace Systems 2011*. Vuosikerta. 7981, 79811H, San Diego, CA, Yhdysvallat, 7/03/11. <https://doi.org/10.1117/12.879868>
- Iliopoulos, K, Czaplicki, R, Ouazzani, HE, Balandier, J-Y, Chas, M, Goeb, S, Sallé, M, Gindre, D & Sahraoui, B 2012, 'Third order nonlinear optical response of TTF-based molecular corners', *Nonlinear Optics, Quantum Optics*, Vuosikerta. 43, Nro 1-4, Sivut 205-212.
- Laudyn, UA, Kwaśny, M, Karpierz, MA & Assanto, G 2017, 'Three-color vector nematicon', *Photonics Letters of Poland*, Vuosikerta. 9, Nro 2, Sivut 36-38. <https://doi.org/10.4302/plp.v9i2.718>
- Akbari, M, Virkki, J, Sydänheimo, L & Ukkonen, L 2016, 'Toward Graphene-Based Passive UHF RFID Textile Tags: A Reliability Study', *IEEE Transactions on Device and Materials Reliability*, Vuosikerta. 16, Nro 3, Sivut 429-431. <https://doi.org/10.1109/TDMR.2016.2582261>
- Huttunen, MJ, Stolt, T, Reshef, O, Kiviniemi, A, Czaplicki, R, Zang, X, Vartiainen, I, Butet, J, Kuittinen, M, Martin, OJF, Dolgaleva, K, Boyd, RW & Kauranen, M 2019, Towards efficient nonlinear plasmonic metasurfaces. julkaisussa *21st International Conference on Transparent Optical Networks, ICTON 2019*. International Conference on Transparent Optical Networks, IEEE, Angers, Ranska, 9/07/19. <https://doi.org/10.1109/ICTON.2019.8840277>
- van Nugteren, J, Kirby, G, Murtomaki, J, DeRijk, G, Rossi, L & Stenvall, A 2018, 'Towards REBCO 20T+ Dipoles for Accelerators', *IEEE Transactions on Applied Superconductivity*, Vuosikerta. 28, Nro 4, 4008509. <https://doi.org/10.1109/TASC.2018.2820177>
- Giammarco, J, Zdyrko, B, Petit, L, Musgraves, JD, Hu, J, Agarwal, A, Kimerling, L, Richardson, K & Luzinov, I 2011, 'Towards universal enrichment nanocoating for IR-ATR waveguides', *Chemical Communications*, Vuosikerta. 47, Nro 32, Sivut 9104-9106. <https://doi.org/10.1039/c1cc12780b>
- Özbay, E, Bulu, I & Caglayan, H 2007, 'Transmission, refraction, and focusing properties of labyrinth based left-handed metamaterials', *Physica Status Solidi (B) Basic Research*, Vuosikerta. 244, Nro 4, Sivut 1202-1210. <https://doi.org/10.1002/pssb.200674507>
- Hongisto, M, Veber, A, Boetti, NG, Danto, S, Jubera, V & Petit, L 2020, 'Transparent Yb³⁺ doped phosphate glass-ceramics', *Ceramics International*. <https://doi.org/10.1016/j.ceramint.2020.01.121>
- Edwards, TEJ, Di Gioacchino, F, Goodfellow, AJ, Mohanty, G, Wehrs, J, Michler, J & Clegg, WJ 2019, 'Transverse deformation of a lamellar TiAl alloy at high temperature by in situ microcompression', *Acta Materialia*, Vuosikerta. 166, Sivut 85-99. <https://doi.org/10.1016/j.actamat.2018.11.050>
- Uusitalo, T, Virtanen, H & Dumitrescu, M 2016, Transverse structure optimization of laterally-coupled ridge waveguide DFB lasers. julkaisussa *16th International Conference on Numerical Simulation of Optoelectronic Devices, NUSOD 2016*, 7547038, IEEE, Sivut 79-80, International Conference on Numerical Simulation of Optoelectronic Devices, 1/01/00. <https://doi.org/10.1109/NUSOD.2016.7547038>

Habib, M, Ozbay, E & Caglayan, H 2018, Tunable Reflection Type Plasmon Induced Transparency with Graphene. julkaisussa *2018 12th International Congress on Artificial Materials for Novel Wave Phenomena, METAMATERIALS 2018*. IEEE, Sivut 170-172, Espoo, Suomi, 27/08/18. <https://doi.org/10.1109/MetaMaterials.2018.8534142>

Huda, MN, Kezilebieke, S, Ojanen, T, Drost, R & Liljeroth, P 2020, 'Tuneable topological domain wall states in engineered atomic chains', *npj Quantum Materials*, Vuosikerta. 5, Nro 1, 17. <https://doi.org/10.1038/s41535-020-0219-3>

Kulju, S, Akola, J, Prendergast, D & Jones, RO 2016, 'Tuning electronic properties of graphene heterostructures by amorphous-to-crystalline phase transitions', *Physical Review B*, Vuosikerta. 93, Nro 19, 195443. <https://doi.org/10.1103/PhysRevB.93.195443>

Javanainen, M, Melcrová, A, Magarkar, A, Jurkiewicz, P, Hof, M, Jungwirth, P & Martinez-Seara, H 2017, 'Two cations, two mechanisms: Interactions of sodium and calcium with zwitterionic lipid membranes', *Chemical Communications*, Vuosikerta. 53, Nro 39, Sivut 5380-5383. <https://doi.org/10.1039/c7cc02208e>

Chen, X, He, H, Chen, L, Raunonen, P, Ukkonen, L & Virkki, J 2017, Two-part stretchable passive UHF RFID textile tags . julkaisussa *2017 Progress in Electromagnetics Research Symposium - Spring, PIERS 2017*. Electromagnetics Academy, Sivut 3318-3321, PROGRESS IN ELECTROMAGNETICS RESEARCH SYMPOSIUM, 1/01/00. <https://doi.org/10.1109/PIERS.2017.8262329>

Dutta, R, Friberg, AT, Genty, G & Turunen, J 2015, 'Two-time coherence of pulse trains and the integrated degree of temporal coherence', *Journal of the Optical Society of America A: Optics Image Science and Vision*, Vuosikerta. 32, Nro 9, Sivut 1631-1637. <https://doi.org/10.1364/JOSAA.32.001631>

Noronen, T, Gumenyuk, R, Chamorovskii, Y, Golant, K, Odnoblyudov, M & Filippov, V 2017, Ultrafast picosecond MOPA with Yb-doped tapered double clad fiber. julkaisussa *The European Conference on Lasers and Electro-Optics 2017: Munich Germany 25–29 June 2017*. Vuosikerta. Part F82-CLEO_Europe 2017, CJ_9_4, The Optical Society; OSA, Munich, Saksa, 25/06/17.

Murakami, M, Kohara, S, Kitamura, N, Akola, J, Inoue, H, Hirata, A, Hiraoka, Y, Onodera, Y, Obayashi, I, Kalikka, J, Hirao, N, Musso, T, Foster, AS, Idemoto, Y, Sakata, O & Ohishi, Y 2019, 'Ultrahigh-pressure form of Si O₂ glass with dense pyrite-type crystalline homology', *Physical Review B*, Vuosikerta. 99, Nro 4, 045153. <https://doi.org/10.1103/PhysRevB.99.045153>

Noronen, T, Fedotov, A, Rissanen, J, Gumenyuk, R, Butov, O, Chamorovskii, Y, Golant, K, Odnoblyudov, M & Filippov, V 2018, Ultra-large mode area single frequency anisotropic MOPA with double clad Yb-doped tapered fiber. julkaisussa *Fiber Lasers XV: Technology and Systems.*, 105121T, Proceedings of SPIE, Vuosikerta. 10512, SPIE, IEEE, San Francisco, Yhdysvallat, 29/01/18. <https://doi.org/10.1117/12.2288942>

Lång, JJK, Punkkinen, MPJ, Tuominen, M, Hedman, HP, Vähä-Heikkilä, M, Polojärvi, V, Salmi, J, Korpjärvi, VM, Schulte, K, Kuzmin, M, Punkkinen, R, Laukkanen, P, Guina, M & Kokko, K 2014, 'Unveiling and controlling the electronic structure of oxidized semiconductor surfaces: Crystalline oxidized InSb(100)(1 × 2)-O: Crystalline oxidized InSb(100)(1 × 2)-O', *Physical Review B*, Vuosikerta. 90, Nro 4, 045312, Sivut 1-9. <https://doi.org/10.1103/PhysRevB.90.045312>

Ruuskanen, J, Stenvall, A & Lahtinen, V 2015, 'Utilizing triangular mesh with MMEV to study hysteresis losses of round superconductors obeying critical state model', *IEEE Transactions on Applied Superconductivity*, Vuosikerta. 25, Nro 3, 8200405. <https://doi.org/10.1109/TASC.2014.2365408>

Pavelescu, EM, Bălăţeanu, N, Spănulescu, SI & Arola, E 2017, 'Very high dose electron irradiation effects on photoluminescence from GaInNAs/GaAs quantum wells grown by molecular beam epitaxy', *Optical Materials*, Vuosikerta. 64, Sivut 361-365. <https://doi.org/10.1016/j.optmat.2016.12.007>

Izdebskaya, Y, Krolikowski, W, Smyth, NF & Assanto, G 2016, 'Vortex stabilization by means of spatial solitons in nonlocal media', *Journal of Optics*, Vuosikerta. 18, Nro 5, 054006. <https://doi.org/10.1088/2040-8978/18/5/054006>

Peccianti, M, Alberucci, A, Assanto, G, De Luca, A, Coschignano, G & Umeton, C 2005, Walking anisotropic spatial solitons and their steering in nematic liquid crystals. julkaisussa *Nonlinear Guided Waves and Their Applications, NLGW 2005*. Optical Society of America OSA, Dresden, Saksa, 6/09/05. <https://doi.org/10.1364/NLGW.2005.FA1>

Heydari, G, Sedighi Moghaddam, M, Tuominen, M, Fielden, M, Haapanen, J, Mäkelä, JM & Claesson, PM 2016, 'Wetting hysteresis induced by temperature changes: Supercooled water on hydrophobic surfaces', *Journal of Colloid and Interface Science*, Vuosikerta. 468, Sivut 21-33. <https://doi.org/10.1016/j.jcis.2016.01.040>