

Ahmed, Umair ; Harju, Jarmo ; Poutala, Jarmo ; Ruuskanen, Pekka ; Rasilo, Paavo ; Kouhia, Reijo. / **Finite element method incorporating coupled magneto-elastic model for magneto-mechanical energy harvester**. Julkaisun esittämisaika: Compumag 2017, Daejeon, Pohjois-Korea.2 Sivumäärä

Viherialä, Jukka ; Aho, Antti ; Virtanen, Heikki ; Dumitrescu, Mihail ; Guina, Mircea. / **1180 nm GaInNAs quantum well based high power DBR laser diodes**. Julkaisun esittämisaika: SPIE Photonics West 2017, San Francisco, Yhdysvallat.

Blokhin, S. A. ; Bobrov, M. A. ; Blokhin, A. A. ; Kuzmenkov, A. G. ; Vasil'Ev, A. P. ; Maleev, N. A. ; Dudelev, V. V. ; Soboleva, K. K. ; Sokolovskii, G. S. ; Rantamäki, A. ; Okhotnikov, O. ; Ustinov, V. M. / **1.3 μm InAs quantum dot semiconductor disk laser**. Julkaisun esittämisaika: 2016 International Conference Laser Optics, LO 2016, St. Petersburg, Venäjä.

Ustimchik, V. E. ; Vyatkin, M. Yu ; Popov, S. M. ; Chamorovskii, Yu K. ; Filippov, V. N. ; Nikitov, S. A. / **State of polarization in anisotropic tapered fiber with extremely large core diameter**. Julkaisun esittämisaika: 2016 International Conference Laser Optics, LO 2016, St. Petersburg, Venäjä.

Korobko, D. A. ; Okhotnikov, O. G. ; Sysoliatin, A. A. ; Zolotovskii, I. O. / **Advanced scheme of amplifier similariton laser**. Julkaisun esittämisaika: 2016 International Conference Laser Optics, LO 2016, St. Petersburg, Venäjä.

Kaneda, Yushi ; Hart, Michael L. ; Warner, Stephen H. ; Penttinen, Jussi Pekka ; Guina, Mircea. / **Narrow-linewidth operation of folded VECSEL cavity with twist-mode configuration**. Julkaisun esittämisaika: Advanced Solid State Lasers, ASSL 2018, Boston, Yhdysvallat.2 Sivumäärä

Casula, Riccardo ; Penttinen, Jussi Pekka ; Guina, Mircea ; Kemp, Alan J. ; Hastie, Jennifer E. / **Continuous-wave, cascaded raman laser at 1.3, 1.5, and 1.7 μm** . The European Conference on Lasers and Electro-Optics, CLEO_Europe 2017. OSA - The Optical Society, 2017. (Optics InfoBase Conference Papers).

Valkealahti, S. ; Manninen, M. / **Diffusion on aluminum-cluster surfaces and the cluster growth**. Julkaisussa: Physical Review B - Condensed Matter and Materials Physics. 1998 ; Vuosikerta 57, Nro 24. Sivut 15533-15540.

Valkealahti, S. ; Manninen, M. / **Simulation of cluster growth using a lattice gas model**. Julkaisussa: Physical Review B. 1994 ; Vuosikerta 50, Nro 23. Sivut 17564-17574.

Valkealahti, S. ; Manninen, M. / **Instability of cuboctahedral copper clusters**. Julkaisussa: Physical Review B. 1992 ; Vuosikerta 45, Nro 16. Sivut 9459-9462.

Valkealahti, Seppo ; Welch, David O. / **Theoretical studies of structural properties of the high- T_c superconductor $\text{Y}_{1-x}\text{Ba}_x\text{Cu}_3\text{O}_{7-x}$** . Julkaisussa: Physica C: Superconductivity and its Applications. 1989 ; Vuosikerta 162-164, Nro PART 1. Sivut 540-541.

Vehanen, A. ; Mäkinen, J. ; Hautajarvi, P. ; Huomo, H. ; Lahtinen, J. ; Nieminen, R. M. ; Valkealahti, S. / **Near-surface defect profiling with slow positrons : Argon-sputtered Al(110)**. Julkaisussa: Physical Review B. 1985 ; Vuosikerta 32, Nro 11. Sivut 7561-7563.

Achimova, E. ; Abaskin, V. ; Cazac, V. ; Meshalkin, A. ; Pedrini, G. ; Claus, D. ; Shevkunov, I. ; Katkovnik, V. / **Surface topography studied by off-axis digital holography**. Novel Optical Materials and Applications, NOMA 2018. Vuosikerta Part F107-NOMA 2018 OSA - The Optical Society, 2018.

Luo, Zhengqian (Toimittaja) ; Bao, Qiaoliang (Toimittaja) ; Caglayan, Humeyra (Toimittaja) ; Jia, Baohua (Toimittaja) ; Zhang, Han (Toimittaja). / **Special Issue: Novel Optical and Photonic Devices based on 2D Materials**. Julkaisussa: Optical Materials Express. 2020 ; Vuosikerta 10, Nro 6.

Hu, Juejun (Toimittaja) ; Mawst, Luke (Toimittaja) ; Moss, Steven (Toimittaja) ; Petit, Laetitia (Toimittaja) ; Ting, David (Toimittaja). / **Special Issue: Mid-infrared optical materials and their device applications**. Julkaisussa: Optical Materials Express. 2018 ; Vuosikerta 8, Nro 7.

Luo, Zhengqian ; Bao, Qiaoliang ; Caglayan, Humeyra ; Jia, Baohua ; Zhang, Han. / **Novel optical and photonic devices based on 2D materials : Feature issue introduction**. Julkaisussa: Optical Materials Express. 2020 ; Vuosikerta 10, Nro 6. Sivut 1344-1345.

Assanto, Gaetano ; Smyth, Noel F. / **Nonlinear guided waves : Preface**. Julkaisussa: Journal of Nonlinear Optical Physics and Materials. 2016 ; Vuosikerta 25, Nro 4.

Assanto, Gaetano. / **Nonlinear optics applications : In memory of George I. Stegeman**. Julkaisussa: Photonics Letters of Poland. 2016 ; Vuosikerta 8, Nro 1. Sivut 1.

Kulya, Maksim S. ; Sokolenko, Bogdan ; Gorodetsky, Andrei ; Petrov, Nikolay V. / **Propagation dynamics of ultrabroadband terahertz beams with orbital angular momentum for wireless data transfer**. Broadband Access Communication Technologies XIV. Toimittaja / Benjamin B. Dingel ; Katsutoshi Tsukamoto ; Spiros Mikroulis. SPIE, 2020. (Proceedings of SPIE - The International Society for Optical Engineering).

Ukkonen, Leena ; Sydänheimo, Lauri ; Ma, Shubin ; Björninen, Toni. / **Backscattering-based wireless communication and power transfer to small biomedical implants**. Microfluidics, BioMEMS, and Medical Microsystems XVIII. Toimittaja / Bonnie L. Gray ; Holger Becker. SPIE, 2020. (Progress in Biomedical Optics and Imaging - Proceedings of SPIE).

Phung, Hoy My ; Kahle, Hermann ; Penttinen, Jussi-Pekka ; Rajala, Patrik ; Ranta, Sanna ; Guina, Mircea. / **A membrane external-cavity surface-emitting laser (MECSEL) with emission around 825 nm**. Vertical External Cavity Surface Emitting Lasers (VECSELs) X. Toimittaja / Jennifer E. Hastie. SPIE, 2020. (Proceedings of SPIE - The International Society for Optical Engineering).

Kulya, Maksim S. ; Katkovnik, Vladimir ; Egiazarian, Karen ; Petrov, Nikolay V. / **Complex-domain sparse imaging in terahertz pulse time-domain holography with balance detection**. Terahertz, RF, Millimeter, and Submillimeter-Wave Technology and Applications XIII. Toimittaja / Laurence P. Sadwick ; Tianxin Yang. SPIE, 2020. (Proceedings of SPIE).

Wang, Yicheng ; Zhao, Yongguang ; Pan, Zhongben ; Suomalainen, Soile ; Härkönen, Antti ; Guina, Mircea ; Griebner, Uwe ; Wang, Li ; Loiko, Pavel ; Mateos, Xavier ; Chen, Weidong ; Petrov, Valentin. / **73-fs SESAM mode-locked Tm,Ho:CNGG laser at 2061 nm**. Solid State Lasers XXIX: Technology and Devices. Toimittaja / W. Andrew Clarkson ; Ramesh K. Shori. SPIE, 2020. (Proceedings of SPIE - The International Society for Optical Engineering).

Vainio, Markku. / **Continuous-wave optical parametric oscillators for mid-infrared spectroscopy**. Nonlinear Frequency Generation and Conversion: Materials and Devices XIX. Toimittaja / Peter G. Schunemann ; Kenneth L. Schepler. SPIE, 2020. (Proceedings of SPIE - The International Society for Optical Engineering).

Nejadsattari, F. ; Zhang, Y. ; Jayakody, M. N. ; Bouchard, F. ; Larocque, H. ; Sit, A. ; Fickler, R. ; Cohen, E. ; Karimi, E. / **Cyclic quantum walks : Photonic realization and decoherence analysis**. Advanced Optical Techniques for Quantum Information, Sensing, and Metrology. Toimittaja / Philip R. Hemmer ; Alan L. Migdall ; Zameer UI Hasan. SPIE, 2020. (Proceedings of SPIE - The International Society for Optical Engineering).

Järvenhaara, J. ; Filanovsky, I. M. ; Nevalainen, I. ; Tchamov, N. T. / **A Two-Stage LNA Design for 28GHz Band of 5G on 45nm CMOS**. 2020 IEEE 63rd International Midwest Symposium on Circuits and Systems, MWSCAS 2020 - Proceedings. IEEE, 2020. Sivut 957-961 (Midwest Symposium on Circuits and Systems).

Haußmann, Lukas ; Neumeier, Steffen ; Kolb, Markus ; Ast, Johannes ; Mohanty, Gaurav ; Michler, Johann ; Göken, Mathias. / **Local Mechanical Properties at the Dendrite Scale of Ni-Based Superalloys Studied by Advanced High Temperature Indentation Creep and Micropillar Compression Tests**. Superalloys 2020: Proceedings of the 14th International Symposium on Superalloys. Toimittaja / Sammy Tin ; Mark Hardy ; Justin Clews ; Jonathan Cormier ; Qiang Feng ; John Marcin ; Chris O'Brien ; Akane Suzuki. Springer, 2020. Sivut 273-281 (The Minerals, Metals and Materials Series).

Khan, Zahangir ; He, Han ; Chen, Xiaochen ; Ukkonen, Leena ; Virkki, Johanna. / **Embroidered and e-textile conductors embedded inside 3D-printed structures**. 2019 Photonics and Electromagnetics Research Symposium - Fall, PIERS - Fall 2019 - Proceedings. IEEE, 2019. Sivut 1675-1680

Mehmood, Adnan ; Chen, Xiaochen ; He, Han ; Ukkonen, Leena ; Virkki, Johanna. / **Eco-friendly flexible wireless platforms by 3D printing pen**. 2019 Photonics and Electromagnetics Research Symposium - Fall, PIERS - Fall 2019 - Proceedings. IEEE, 2019. Sivut 2422-2425 (2019 Photonics and Electromagnetics Research Symposium - Fall, PIERS - Fall 2019 - Proceedings).

Chen, Xiaochen ; He, Han ; Yang, Yunshan ; Gou, Meinan ; Sydanheimo, Lauri ; Ukkonen, Leena ; Virkki, Johanna. / **Maintenance-free moisture sensor on dishcloth substrate**. 2019 Photonics and Electromagnetics Research Symposium - Fall, PIERS - Fall 2019 - Proceedings. IEEE, 2019. Sivut 2418-2421

Mehmood, Adnan ; Vianto, Ville ; He, Han ; Chen, Xiaochen ; Buruk, Oguz Oz ; Ukkonen, Leena ; Virkki, Johanna. / **Passive UHF RFID-based user interface on a wooden surface**. 2019 Photonics and Electromagnetics Research Symposium - Fall, PIERS - Fall 2019 - Proceedings. IEEE, 2019. Sivut 1760-1763

Hallman, Lauri ; Ryvkin, Boris S. ; Avrutin, Eugene A. ; Aho, Antti T. ; Viheriälä, Jukka ; Guina, Mircea ; Kostamovaara, Juha T. / **Double-asymmetric-structure 1.5 μ m high power laser diodes**. Proceedings of the 2019 IEEE High Power Diode Lasers and Systems Conference, HPD 2019 - Co-located with Photonex 2019. IEEE, 2019. Sivut 19-20

Raappana, Marianna ; Aho, Arto ; Aho, Timo ; Isoaho, Riku ; Anttola, Elina ; Kajas, Ninja ; Polojärvi, Ville ; Tukiainen, Antti ; Guina, Mircea. / **Performance of Solar Cell Grids based on Ag, Au, and Al for Cost-Effective Manufacturing**. 2019 European Space Power Conference (ESPC). IEEE, 2019.

Bhalerao, Sagar R. ; Lupo, Donald ; Berger, Paul R. / **2-volt Solution-Processed, Indium Oxide (In_2O_3) Thin Film Transistors on flexible Kapton**. 2019 IEEE International Flexible Electronics Technology Conference, IFETC 2019. IEEE, 2019.

Huttunen, Mikko J. ; Hristu, Radu ; Dumitru, Adrian ; Costache, Mariana ; Stanciu, Stefan G. / **Investigating human skin using deep learning enhanced multiphoton microscopy**. 21st International Conference on Transparent Optical Networks, ICTON 2019. IEEE, 2019. (International Conference on Transparent Optical Networks).

Dudley, John M. ; Ryczkowski, Piotr ; Närhi, Mikko ; Billet, Cyril ; Merolla, Jean Marc ; Lapre, Coraline ; Meng, Fanchao ; Lacourt, Pierre Ambroise ; Genty, Goery. / **Real-time measurements of ultrafast instabilities in nonlinear fiber optics : Recent advances**. 21st International Conference on Transparent Optical Networks, ICTON 2019. IEEE, 2019. (International Conference on Transparent Optical Networks).

Aryal, U. ; Ojha, N. ; Trautvetter, T. ; Lastusaari, M. ; Ueda, J. ; Mueller, R. ; Veber, A. ; Petit, L. / **Persistent luminescent glasses prepared using the direct doping method**. 21st International Conference on Transparent Optical Networks, ICTON 2019. IEEE, 2019. (International Conference on Transparent Optical Networks).

Huttunen, Mikko J. ; Stolt, Timo ; Reshef, Orad ; Kiviniemi, Antti ; Czaplicki, Robert ; Zang, Xiaorun ; Vartiainen, Ismo ; Butet, Jeremy ; Kuittinen, Markku ; Martin, Olivier J.F. ; Dolgaleva, Ksenia ; Boyd, Robert W. ; Kauranen, Martti. / **Towards efficient nonlinear plasmonic metasurfaces**. 21st International Conference on Transparent Optical Networks, ICTON 2019. IEEE, 2019. (International Conference on Transparent Optical Networks).

Blanc, Wilfried ; Vermillac, Manuel ; Petit, Laetitia ; Lukowiak, Anna ; Lu, Zhuorui ; Mady, Franck ; Benabdesselam, Mourad ; Chausseidant, Stéphane ; Mehdi, Ahmad ; Ferrari, Maurizio. / **Nanoparticles in optical waveguides : A toolbox to promote lasers, amplifiers and sensors**. 21st International Conference on Transparent Optical Networks, ICTON 2019. IEEE, 2019. (International Conference on Transparent Optical Networks).

Khan, Zahangir ; He, Han ; Chen, Xiaochen ; Ukkonen, Leena ; Virkki, Johanna. / **Fabrication Challenges in Embedding of Components and Embroidered Conductors into 3D-printed Textile Electronics Structures**. 2019 Photonics and Electromagnetics Research Symposium - Spring, PIERS-Spring 2019 - Proceedings. IEEE, 2019. Sivut 1372-1377

(Progress in Electromagnetics Research Symposium).

Chen, Xiaochen ; He, Han ; Khan, Zahangir ; Sydänheimo, Lauri ; Ukkonen, Leena ; Virkki, Johanna. / **Design, Fabrication, and Wireless Evaluation of a Passive 3D-printed Moisture Sensor on a Textile Substrate.** 2019 Photonics and Electromagnetics Research Symposium - Spring, PIERS-Spring 2019 - Proceedings. IEEE, 2019. Sivut 1027-1030 (Progress in Electromagnetics Research Symposium).

Sahin, Erdem ; Akpınar, Ugur ; Gotchev, Atanas. / **Phase-coded computational imaging for depth of field extension.** Proceedings - Digital Holography and Three-Dimensional Imaging 2019. Optical Society of America, 2019.

Kahle, Hermann ; Phung, Hoy-My ; Penttinen, Jussi-Pekka ; Rajala, Patrik ; Tukiainen, Antti ; Ranta, Sanna ; Guina, Mircea. / **Double-side pumped membrane external-cavity surface-emitting laser (MECSEL) with increased efficiency emitting > 3 W in the 780 nm region.** 2019 Conference on Lasers and Electro-Optics, CLEO 2019 - Proceedings. IEEE, 2019.

Sadiek, Ibrahim ; Mikkonen, Tommi ; Vainio, Markku ; Toivonen, Juha ; Foltynowicz, Aleksandra. / **Optical Frequency Comb Photoacoustic Spectroscopy.** 2019 Conference on Lasers and Electro-Optics, CLEO 2019 - Proceedings. IEEE, 2019.

Abdallah, Zeina ; Stefszky, Michael ; Ulvila, Ville ; Silberhorn, Christine ; Vainio, Markku. / **Frequency Comb Generation in a Continuous-Wave Pumped Second-Order Nonlinear Waveguide Resonator.** 2019 Conference on Lasers and Electro-Optics, CLEO 2019 - Proceedings. IEEE, 2019.

Saad-Bin-Alam, Md ; Reshef, Orad ; Huttunen, Mikko J. ; Carlow, Graham ; Sullivan, Brian ; Menard, Jean Michel ; Dolgaleva, Ksenia ; Boyd, Robert W. / **High-Q resonance train in a plasmonic metasurface.** 2019 Conference on Lasers and Electro-Optics, CLEO 2019 - Proceedings. IEEE, 2019.

Linna, P. ; Narra, N. ; Grönman, J. / **Intelligent data service for farmers.** 2019 42nd International Convention on Information and Communication Technology, Electronics and Microelectronics, MIPRO 2019 - Proceedings. Toimittaja / Karolj Skala ; Zeljka Car ; Predrag Pale ; Darko Huljenic ; Matej Janjic ; Marko Koricic ; Vlado Sruk ; Slobodan Ribaric ; Tihana Galinac Grbac ; Zeljko Butkovic ; Marina Cicin-Sain ; Dejan Skvorc ; Mladen Mauher ; Snjezana Babic ; Stjepan Gros ; Boris Vrdoljak ; Edvard Tijan. IEEE, 2019. Sivut 1072-1075

Henno, J. ; Jaakkola, H. ; Mäkelä, J. / **Teaching for virtual work.** 2019 42nd International Convention on Information and Communication Technology, Electronics and Microelectronics, MIPRO 2019 - Proceedings. Toimittaja / Karolj Skala ; Zeljka Car ; Predrag Pale ; Darko Huljenic ; Matej Janjic ; Marko Koricic ; Vlado Sruk ; Slobodan Ribaric ; Tihana Galinac Grbac ; Zeljko Butkovic ; Marina Cicin-Sain ; Dejan Skvorc ; Mladen Mauher ; Snjezana Babic ; Stjepan Gros ; Boris Vrdoljak ; Edvard Tijan. IEEE, 2019. Sivut 818-826

Jaakkola, H. ; Henno, J. ; Mäkelä, J. ; Thalheim, B. / **Artificial intelligence yesterday, today and tomorrow.** 2019 42nd International Convention on Information and Communication Technology, Electronics and Microelectronics, MIPRO 2019 - Proceedings. Toimittaja / Karolj Skala ; Zeljka Car ; Predrag Pale ; Darko Huljenic ; Matej Janjic ; Marko Koricic ; Vlado Sruk ; Slobodan Ribaric ; Tihana Galinac Grbac ; Zeljko Butkovic ; Marina Cicin-Sain ; Dejan Skvorc ; Mladen Mauher ; Snjezana Babic ; Stjepan Gros ; Boris Vrdoljak ; Edvard Tijan. IEEE, 2019. Sivut 860-867

Tuominen, Samuli ; Mäntysalo, Matti. / **Screen printed temporary tattoos for skin-mounted electronics.** IEEE 69th Electronic Components and Technology Conference, ECTC 2019. IEEE, 2019. Sivut 1252-1257

Berger, Paul R. ; Li, Miao ; Mattei, Ryan M. ; Niang, Maimouna A. ; Talisa, Noah ; Tripepi, Michael ; Harris, Brandon ; Bhalerao, Sagar R. ; Chowdhury, Enam A. ; Winter, Charles H. ; Lupo, Donald. / **Advancements in Solution Processable Devices using Metal Oxides For Printed Internet-of-Things Objects.** 2019 Electron Devices Technology and Manufacturing Conference, EDTM 2019. IEEE, 2019. Sivut 160-162

Vimieiro, Rodrigo B. ; Borges, Lucas R. ; Caron, Renato F. ; Barufaldi, Bruno ; Bakic, Predrag R. ; Maidment, Andrew D.A. ; Vieira, Marcelo A.C. / **Noise measurements from reconstructed digital breast tomosynthesis.** Medical Imaging 2019: Physics of Medical Imaging. Toimittaja / Taly Gilat Schmidt ; Guang-Hong Chen ; Hilde Bosmans. SPIE, IEEE, 2019. (Progress in Biomedical Optics and Imaging - Proceedings of SPIE).

Kahle, Hermann ; Penttinen, Jussi Pekka ; Phung, Hoy My ; Rajala, Patrik ; Tukiainen, Antti ; Ranta, Sanna ; Guina, Mircea. / **VECSELS 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.** Vertical External Cavity Surface Emitting Lasers (VECSELS) IX. Toimittaja / Ursula Keller. SPIE, IEEE, 2019. (Proceedings of SPIE - The International Society for Optical Engineering).

Mereuta, Alexandru ; Nechay, Kostiantyn ; Caliman, Andrei ; Suruceanu, Grigore ; Gallo, Pascal ; Guina, Mircea ; Kapon, Eli. / **1.55- μm wavelength wafer-fused OP-VECSELS in flip-chip configuration.** Vertical External Cavity Surface Emitting Lasers (VECSELS) IX. Toimittaja / Ursula Keller. SPIE, IEEE, 2019. (Proceedings of SPIE - The International Society for Optical Engineering).

Yadav, Amit ; Chichkov, Nikolay B. ; Gumenyuk, Regina ; Zhrebtssov, Evgeny ; Melkumov, Mikhail A. ; Yashkov, Mikhail V. ; Dianov, Evgeny M. ; Rafailov, Edik U. / **405-nm pumped Ce^{3+} -doped silica fiber for broadband fluorescence from cyan to red.** Optical Components and Materials XVI. Toimittaja / Michel J. F. Digonnet ; Shubin Jiang. SPIE, IEEE, 2019. (Proceedings of SPIE - The International Society for Optical Engineering).

Radevici, Ivan ; Sadi, Toufik ; Tripurari, Tripathi ; Tiira, Jonna ; Ranta, Sanna ; Tukiainen, Antti ; Guina, Mircea ; Oksanen, Jani. / **Observation of local electroluminescent cooling and identifying the remaining challenges.** Photonic Heat Engines: Science and Applications. Toimittaja / Denis V. Seletskiy ; Richard I. Epstein ; Mansoor Sheik-Bahae. SPIE, IEEE, 2019. (Proceedings of SPIE - The International Society for Optical Engineering).

Viheriälä, Jukka ; Tuorila, Heidi ; Zia, Nouman ; Cherchi, Matteo ; Aalto, Timo ; Guina, Mircea. / **1.3 μm U-bend traveling wave SOA devices for high efficiency coupling to silicon photonics.** Silicon Photonics XIV. Toimittaja / Graham T. Reed ; Andrew P. Knights. SPIE, IEEE, 2019. (Proceedings of SPIE - The International Society for Optical Engineering).

Zakeri, Faezeh Sadat ; Bätz, Michel ; Jaschke, Tobias ; Keinert, Joachim ; Chuchvara, Alexandra. / **Benchmarking of several disparity estimation algorithms for light field processing.** Fourteenth International Conference on Quality Control by Artificial Vision. Toimittaja / Stephane Bazeille ; Nicolas Verrier ; Christophe Cudel. SPIE, IEEE, 2019. (Proceedings of SPIE - The International Society for Optical Engineering).

Kocsis, Péter ; Shevkunov, Igor ; Katkovnik, Vladimir ; Egiazarian, Karen. / **Single exposure lensless subpixel phase imaging.** Digital Optical Technologies 2019. Toimittaja / Bernard C. Kress ; Peter Schelkens. SPIE, IEEE, 2019. (Proceedings of SPIE - The International Society for Optical Engineering).

Aho, Timo ; Tukiainen, Antti ; Elsehrawy, Farid ; Ranta, Sanna ; Raappana, Marianna ; Aho, Arto ; Isoaho, Riku ; Cappelluti, Federica ; Guina, Mircea. / **Back Reflector with Diffractive Gratings for Light-Trapping in Thin-Film III-V Solar Cells.** 2019 European Space Power Conference (ESPC). IEEE, 2019.

Isoaho, Riku ; Aho, Arto ; Tukiainen, Antti ; Aho, Timo ; Raappana, Marianna ; Salminen, Turkka ; Reuna, Jarno ; Guina, Mircea. / **Narrow Bandgap Dilute Nitride Materials for 6-junction Space Solar Cells.** 2019 European Space Power Conference (ESPC). IEEE, 2019.

Saleh, Abba ; Ryczkowski, Piotr ; Genty, Goery ; Toivonen, Juha. / **Short-range supercontinuum based lidar for combustion diagnostics.** SPIE Future Sensing Technologies. Toimittaja / Masafumi Kimata ; Christopher R. Valenta. SPIE, IEEE, 2019. (Proceedings of SPIE).

Xu, Lei ; Saerens, Grégoire ; Timofeeva, Maria ; Miroshnichenko, Andrey E. ; Camacho-Morales, Rocio ; Volkovskaya, Irina ; Smirnova, Daria A. ; Lysevych, Mykhaylo ; Huang, Lujun ; Cai, Marcus ; Karouta, Fouad ; Hoe Tan, H. ; Kauranen, Martti ; Jagadish, Chennupati ; Grange, Rachel ; Neshev, Dragomir N. ; Rahmani, Mohsen. / **Switchable unidirectional second-harmonic emission through GaAs nanoantennas.** AOS Australian Conference on Optical Fibre Technology, ACOFT 2019 and Australian Conference on Optics, Lasers, and Spectroscopy, ACOLS 2019. Toimittaja / Arnan Mitchell ; Halina Rubinsztein-Dunlop. SPIE, 2019. (Proceedings of SPIE - The International Society for Optical Engineering).

Sautter, J. ; Xu, L. ; Miroshnichenko, A. ; Lysevych, M. ; Volkovskaya, I. ; Smirnova, D. ; Camacho Morales, M. ; Zangeneh Kamali, K. ; Karouta, F. ; Vora, K. ; Tan, H. H. ; Kauranen, M. ; Staude, I. ; Jagadish, C. ; Neshev, D. N. ; Rahmani, M. / **Tailoring directional scattering of second-harmonic generation from (111)-GaAs nanoantennas.** AOS Australian Conference on Optical Fibre Technology, ACOFT 2019 and Australian Conference on Optics, Lasers, and Spectroscopy,

ACOLS 2019. Toimittaja / Arnan Mitchell ; Halina Rubinsztein-Dunlop. SPIE, 2019. (Proceedings of SPIE - The International Society for Optical Engineering).

Habib, M. ; Ozbay, E. ; Caglayan, H. / **Tunable Reflection Type Plasmon Induced Transparency with Graphene**. 2018 12th International Congress on Artificial Materials for Novel Wave Phenomena, METAMATERIALS 2018. IEEE, 2018. Sivut 170-172

Del Cerro, P. Roldan ; Saarinen, M. ; Massera, J. ; Norrbo, I. ; Lastusaari, M. ; Petit, L. / **Processing and Characterization of Bioactive Borosilicate Glasses and Scaffolds with Persistent Luminescence**. 2018 20th International Conference on Transparent Optical Networks, ICTON 2018. Vuosikerta 2018-July IEEE COMPUTER SOCIETY PRESS, 2018. (Conference proceedings : International Conference on Transparent Optical Networks).

Yadav, A. ; Chichkov, N. B. ; Gumenyuk, R. ; Zherebtsov, E. ; Melkumov, M. A. ; Yashkov, M. V. ; Dianov, E. M. ; Rafailov, E. U. / **Fluorescence bandwidth of 280nm from broadband Ce³⁺-doped silica fiber pumped with blue laser diode**. 2018 International Conference Laser Optics (ICLO) . IEEE, 2018. Sivut 133-133

Mikkonen, Riikka ; Lahokallio, Sanna ; Frisk, Laura ; Mäntysalo, Matti. / **Processing of printed silver patterns on an ETFE substrate**. Proceedings - 2018 IMAPS Nordic Conference on Microelectronics Packaging, NORDPAC 2018. IEEE, 2018. Sivut 1-7

Chen, X. ; He, H. ; Ukkonen, L. ; Virkki, J. ; Lu, Y. ; Lam, H. / **Fabrication and reliability evaluation of passive UHF RFID T-shirts**. 2018 IEEE International Workshop on Antenna Technology, iWAT2018 - Proceedings. IEEE, 2018. Sivut 1-4

Guina, Mircea ; Isoaho, Riku ; Viheriälä, Jukka ; Aho, Arto ; Aho, Antti ; Tukiainen, Antti. / **Quantum-well Laser Emitting at 1.2 µm-1.3 µm Window Monolithically Integrated on Ge Substrate**. 43rd European Conference on Optical Communication, ECOC 2017. IEEE, 2018. Sivut 1-3

Noronen, Teppo ; Fedotov, Andrei ; Rissanen, Joonas ; Gumenyuk, Regina ; Butov, Oleg ; Chamorovskii, Yuri ; Golant, Konstantin ; Odnoblyudov, Maxim ; Filippov, Valery. / **Ultra-large mode area single frequency anisotropic MOPA with double clad Yb-doped tapered fiber**. Fiber Lasers XV: Technology and Systems. SPIE, IEEE, 2018. (Proceedings of SPIE).

Zhao, Yongguang ; Wang, Yicheng ; Zhang, Xuzhao ; Mateos, Xavier ; Pan, Zhongben ; Loiko, Pavel ; Zhou, Wei ; Xu, Xiaodong ; Xu, Jun ; Shen, Deyuan ; Suomalainen, Soile ; Härkönen, Antti ; Guina, Mircea ; Griebner, Uwe ; Petrov, Valentin. / **Sub-100 fs pulse generation from a Tm,Ho : CALYO laser mode-locked by a GaSb-based SESAM at ~2043 nm**. CLEO: Science and Innovations, CLEO_SI 2018. OSA - The Optical Society, 2018.

Katkovnik, Vladimir ; Shevkunov, Igor ; Petrov, Nikolay V. ; Eguiazarian, Karen. / **Multiwavelength surface contouring from phase-coded diffraction patterns**. Unconventional Optical Imaging 2018. Strasbourg, France. SPIE, 2018. (Proceedings of SPIE - The International Society for Optical Engineering).

Wirdatmadja, Stefanus ; Johari, Pedram ; Balasubramaniam, Sasitharan ; Bae, Yongho ; Stachowiak, Michal K. ; Jornet, Josep M. / **Light propagation analysis in nervous tissue for wireless optogenetic nanonetworks**. Optogenetics and Optical Manipulation 2018. SPIE, 2018.

Fang, Cheng Yi ; Vallini, Felipe ; Amili, Abdelkrim El ; Tukiainen, Antti ; Lyytikäinen, Jari ; Guina, Mircea ; Fainman, Yashaiahu. / **Development of efficient electrically pumped nanolasers based on InAlGaAs tunnel junction**. CLEO: Science and Innovations, CLEO_SI 2018. OSA - The Optical Society, 2018.

Kantola, Emmi ; Penttinen, Jussi-Pekka ; Leinonen, Tomi ; Ranta, Sanna ; Guina, Mircea. / **Frequency-doubled VECSEL employing a Volume Bragg Grating for linewidth narrowing**. CLEO: Applications and Technology, CLEO_AT 2018. OSA - The Optical Society, 2018.

Zia, Nouman ; Viheriälä, Jukka ; Koivusalo, Eero ; Aho, Antti ; Suomalainen, Soile ; Guina, Mircea. / **High performance GaSb superluminescent diodes for tunable light source at 2 µm and 2.55 µm**. CLEO: Applications and Technology, CLEO_AT 2018. OSA - The Optical Society, 2018.

Kantola, Emmi ; Leinonen, Tomi ; Rantamäki, Antti ; Guina, Mircea ; Sirbu, Alexei ; Iakovlev, Vladimir. / **Frequency-doubled wafer-fused 638 nm VECSEL with an output power of 5.6 W**. CLEO: Applications and Technology, CLEO_AT 2018. OSA - The Optical Society, 2018.

Kerst, Thomas ; Toivonen, Juha. / **Alpha radiation induced luminescence in solar blind spectral region**. CLEO: Applications and Technology, CLEO_AT 2018. OSA - The Optical Society, 2018.

Tomberg, Teemu ; Vainio, Markku ; Hieta, Tuomas ; Halonen, Lauri. / **Sub-parts-per-trillion sensitivity in trace gas detection by cantilever-enhanced photo-acoustic spectroscopy**. CLEO: Applications and Technology, CLEO_AT 2018. OSA - The Optical Society, 2018.

Ryczkowski, Piotr ; Närhi, Mikko ; Billet, Cyril ; Merolla, Jean Marc ; Dudley, John M. ; Genty, Goery. / **Real-time measurements of nonlinear instabilities in optical fibers**. CLEO: Applications and Technology, CLEO_AT 2018. OSA - The Optical Society, 2018.

Karioja, Pentti ; Alajoki, Teemu ; Cherchi, Matteo ; Ollila, Jyrki ; Harjanne, Mikko ; Heinilehto, Noora ; Suomalainen, Soile ; Zia, Nouman ; Tuorila, Heidi ; Viheriälä, Jukka ; Guina, Mircea ; Buczynski, Ryszard ; Kasztelanic, Rafa ; Salo, Tomi ; Virtanen, Sami ; Kluczynski, Pawel ; Borgen, Lars ; Ratajczyk, Marcin ; Kalinowski, Przemyslaw. / **Integrated multi-wavelength mid-IR light source for gas sensing**. Next-Generation Spectroscopic Technologies XI. SPIE, IEEE, 2018. (SPIE Conference Proceedings).

Perumbilavil, S. ; Piccardi, A. ; Kauranen, M. ; Assanto, G. / **Directional random laser by combining cavity-less lasing and spatial solitons in liquid crystals**. Nonlinear Photonics, NP 2018. Vuosikerta Part F108-NP 2018 OSA - The Optical Society, 2018.

Mateos, Xavier ; Loiko, Pavel ; Lamrini, Samir ; Scholle, Karsten ; Fuhrberg, Peter ; Suomalainen, Soile ; Härkönen, Antti ; Guina, Mircea ; Vatnik, Sergei ; Vedin, Ivan ; Aguiló, Magdalena ; Diáz, Francesc ; Wang, Yicheng ; Griebner, Uwe ; Petrov, Valentin. / **Highly-efficient Ho:KY(WO₄)₂ thin-disk lasers at 2.06 μm**. Pacific-Rim Laser Damage 2018: Optical Materials for High-Power Lasers. SPIE, IEEE, 2018. (Proceedings of SPIE).

Voronin, V. ; Pismenskova, M. ; Zelensky, A. ; Cen, Yigang ; Nadykto, A. ; Egiazarian, K. / **Action recognition using the 3D dense microblock difference**. Counterterrorism, Crime Fighting, Forensics, and Surveillance Technologies II. SPIE, 2018. (Proceedings of SPIE).

Petit, L. ; Nguyen, H. ; Hongisto, M. ; Salminen, T. ; Hakkarainen, T. ; Lopez-Iscoa, P. ; Pugliese, D. ; Boetti, N. G. ; Milanese, D. / **Novel Er³⁺ doped phosphate glass-ceramics for photonics**. ICTON 2017 - 19th International Conference on Transparent Optical Networks. IEEE COMPUTER SOCIETY PRESS, 2017.

Pippola, Juha ; Marttila, Tuomas ; Frisk, Laura. / **Development of dust test method for motor drives**. 2017 IMAPS Nordic Conference on Microelectronics Packaging, NordPac 2017. IEEE, 2017. Sivut 43-46

Chen, Xiaochen ; He, Han ; Chen, Liqun ; Raunonen, Pasi ; Ukkonen, Leena ; Virkki, Johanna. / **Two-part stretchable passive UHF RFID textile tags**. 2017 Progress in Electromagnetics Research Symposium - Spring, PIERS 2017. Electromagnetics Academy, 2017. Sivut 3318-3321

He, Han ; Akbari, Mitra ; Chen, Xiaochen ; Nommeots-Nomm, Amy ; Chen, Liqun ; Ukkonen, Leena ; Virkki, Johanna. / **Fabrication and performance evaluation of 3D-printed graphene passive UHF RFID tags on cardboard**. 2017 Progress in Electromagnetics Research Symposium - Spring, PIERS 2017. IEEE, 2017. Sivut 3322-3325

Kosunen, Marko ; Lemberg, Jerry ; Martelius, Mikko ; Roverato, Enrico ; Nieminen, Tero ; Englund, Mikko ; Stadius, Kari ; Anttila, Lauri ; Pallonen, Jorma ; Valkama, Mikko ; Ryynänen, Jussi. / **13.5 A 0.35-to-2.6GHz multilevel outphasing transmitter with a digital interpolating phase modulator enabling up to 400MHz instantaneous bandwidth**. 2017 IEEE International Solid-State Circuits Conference, ISSCC 2017. IEEE, 2017. Sivut 224-225

Selim, Bassant ; Sofotasios, Paschalis C. ; Muhaidat, Sami ; Karagiannidis, George K. / **The effects of I/Q imbalance on wireless communications : A survey**. 2016 IEEE 59th International Midwest Symposium on Circuits and Systems (MWSCAS). IEEE, 2017.

Stoykova, Elena ; Nazarova, Dimana ; Berberova, Nataliya ; Gotchev, Atanas ; Ivanov, Branimir ; Mateev, Georgy. / **Dynamic laser speckle metrology with binarization of speckle patterns**. 19th International Conference and School on Quantum Electronics: Laser Physics and Applications. SPIE, 2017. (Proceedings of SPIE).

Filippov, Valery ; Vorotynskii, Andrei ; Noronen, Teppo ; Gumenyuk, Regina ; Chamorovskii, Yuri ; Golant, Konstantin. / **Picosecond MOPA with ytterbium doped tapered double clad fiber**. Fiber Lasers XIV: Technology and Systems. Vuosikerta 10083 SPIE, 2017. (Proceedings of SPIE; 10083).

Katkovnik, Vladimir ; Shevkunov, Igor ; Petrov, Nikolay V. ; Egiazarian, Karen. / **Computational wavelength resolution for in-line lensless holography : Phase-coded diffraction patterns and wavefront group-sparsity**. Digital Optical Technologies 2017. SPIE, 2017. (Proceedings of SPIE).

Borges, Lucas R. ; Bakic, Predrag R. ; Foi, Alessandro ; Maidment, Andrew D.A. ; Vieira, Marcelo A.C. / **Pipeline for effective denoising of digital mammography and digital breast tomosynthesis**. Medical Imaging 2017: Physics of Medical Imaging. SPIE, 2017. (Progress in biomedical optics and imaging).

Wang, Yicheng ; Jing, Wei ; Loiko, Pavel ; Zhao, Yongguang ; Huang, Hui ; Suomalainen, Soile ; Härkönen, Antti ; Guina, Mircea ; Mateos, Xavier ; Griebner, Uwe ; Petrov, Valentin. / **Sub-10 optical-cycle mode-locked Tm:(Lu₂/3Sc₁/3)O₃ mixed ceramic laser at 2057 nm**. Advanced Solid State Lasers 2017: Nagoya, Aichi Japan 1–5 October 2017. The Optical Society; OSA, 2017.

Noronen, Teppo ; Gumenyuk, Regina ; Chamorovskii, Yuri ; Golant, Konstantin ; Odnoblyudov, Maxim ; Filippov, Valery. / **Ultrafast picosecond MOPA with Yb-doped tapered double clad fiber**. The European Conference on Lasers and Electro-Optics 2017: Munich Germany 25–29 June 2017. Vuosikerta Part F82-CLEO_Europe 2017 The Optical Society; OSA, 2017.

Gumenyuk, Regina ; Rissanen, Joonas ; Korobko, Dmitry A. ; Zolotovskiy, Igor O. ; Melkumov, Mikhail ; Khopin, Vladimir F. / **New multisoliton complex in Bi-doped fiber laser operated at 1450 nm**. European Quantum Electronics Conference 2017. Vuosikerta Part F81-EQEC 2017 The Optical Society; OSA, 2017.

Filippov, Valery ; Noronen, Teppo ; Gumenyuk, Regina ; Chamorovskii, Yuri ; Golant, Konstantin ; Odnoblyudov, Maxim. / **Anisotropic ultra-large mode area Yb-doped tapered double clad fiber for ultrafast amplifiers**. Advanced Solid State Lasers 2017: Nagoya, Aichi Japan 1–5 October 2017. Vuosikerta Part F75-ASSL 2017 The Optical Society; OSA, 2017.

Virtanen, Heikki ; Uusitalo, Topi ; Dumitrescu, Mihail. / **Simulation studies of DFB laser longitudinal structures for narrow linewidth emission**. 16th International Conference on Numerical Simulation of Optoelectronic Devices, NUSOD 2016. IEEE, 2016. Sivut 153-154

Uusitalo, Topi ; Virtanen, Heikki ; Dumitrescu, Mihail. / **Transverse structure optimization of laterally-coupled ridge waveguide DFB lasers**. 16th International Conference on Numerical Simulation of Optoelectronic Devices, NUSOD 2016. IEEE, 2016. Sivut 79-80

Dumitrescu, M. ; Uusitalo, T. ; Virtanen, H. ; Laakso, A. ; Bardella, P. ; Montrosset, I. / **Simulation of photon-photon resonance enhanced direct modulation bandwidth of DFB lasers**. 16th International Conference on Numerical Simulation of Optoelectronic Devices, NUSOD 2016. IEEE, 2016. Sivut 147-148

Suikkola, Jari ; Kankkunen, Timo ; Iso-Ketola, Pekka ; Vanhala, Jukka ; Mäntysalo, Matti. / **Screen-Printed Stretchable Interconnects**. Proceedings - ECTC 2016: 66th Electronic Components and Technology Conference. IEEE, 2016. Sivut 1650-1655

Mostofizadeh, M. ; Najari, M. ; Das, D. ; Pecht, M. ; Frisk, L. / **Effect of Epoxy Flux Underfill on Thermal Cycling Reliability of Sn-8Zn-3Bi Lead-Free Solder in a Sensor Application**. Proceedings - ECTC 2016: 66th Electronic Components and Technology Conference. IEEE, 2016. Sivut 2169-2175

Frisk, L. ; Lahokallio, S. ; Kiilunen, J. / **Reliability of ACA interconnections on microvia HDI PCBs in thermal cycling conditions**. IMAPS Nordic Annual Conference 2016 Proceedings. Toimittaja / J. Kutilainen. IMAPS-International Microelectronics and Packaging Society, 2016.

Aalto, Timo ; Harjanne, Mikko ; Offrein, Bert Jan ; Caër, Charles ; Neumeyr, Christian ; Malacarne, Antonio ; Guina, Mircea ; Sheehan, Robert N. ; Peters, Frank H. ; Melanen, Petri. / **Integrating III-V, Si, and polymer waveguides for optical interconnects : RAPIDO**. Optical Interconnects XVI. SPIE, 2016. (Proceedings of SPIE).

Zia, Nouman ; Viheriälä, Jukka ; Koskinen, Riku ; Koskinen, Mervi ; Suomalainen, Soile ; Guina, Mircea. / **Fabrication and characterization of broadband superluminescent diodes for 2 μm wavelength**. Light-Emitting Diodes: Materials, Devices, and Applications for Solid State Lighting XX. SPIE, 2016. (Proceedings of SPIE).

Viheriälä, Jukka ; Aho, Antti T. ; Mäkelä, Jaakko ; Salmi, Joel ; Virtanen, Heikki ; Leinonen, Tomi ; Dumitrescu, Mihail ; Guina, Mircea. / **High-power 1550 nm tapered DBR lasers fabricated using soft UV-nanoimprint lithography**. High-Power Diode Laser Technology and Applications XIV. SPIE, 2016. (SPIE Conference Proceedings).

Fotiadi, Andrei A. ; Korobko, Dmitry A. ; Okhotnikov, Oleg G. ; Zolotovskii, Igor O. / **Optical fiber amplifier with spectral compression elements for high-power laser pulse generation**. Nonlinear Optics and its Applications IV. Vuosikerta 9894 SPIE, 2016. (Proceedings of SPIE).

Isotalo, Tero J. ; Niemi, Tapio. / **Dots-on-the-fly electron beam lithography**. SPIE Proceedings: Alternative Lithographic Technologies VIII. Toimittaja / Christopher Bencher. Vuosikerta 9777 SPIE, 2016. (Proceedings of SPIE).

Frantc, V. A. ; Makov, S. V. ; Voronin, V. V. ; Marchuk, V. I. ; Semenishchev, E. A. ; Egiazarian, K. O. ; Agaian, S. / **Simultaneous binary hash and features learning for image retrieval**. Mobile Multimedia/Image Processing, Security, and Applications 2016. SPIE, 2016. (SPIE Conference Proceedings).

Hakkarainen, Teemu ; Tommila, Juha ; Schramm, Andreas ; Simonen, Janne ; Niemi, Tapio ; Strelow, Christian ; Kipp, Tobias ; Kontio, Juha ; Guina, Mircea. / **Site-controlled InAs Quantum Dots for Plasmonics**. Conference on Lasers and Electro-Optics 2016: QELS_Fundamental Science. OSA - The Optical Society, 2016.

Moirangthem, Monali ; Stumpel, Jelle E. ; Alp, Baran ; Teunissen, Pit ; Bastiaansen, Cees W M ; Schenning, Albertus P H J. / **Hot pen and laser writable photonic polymer films**. Emerging Liquid Crystal Technologies XI. Vuosikerta 9769 SPIE, 2016.

Farooq, A. ; Evreinov, G. ; Raisamo, R. ; Takahata, D. / **Evaluating transparent liquid screen overlay as a haptic conductor : Method of enhancing touchscreen based user interaction by a transparent deformable liquid screen overlay**. 2015 IEEE SENSORS - Proceedings. Institute of Electrical and Electronics Engineers Inc., 2015.

Su, W. ; Cooper, J. R. ; Cook, B. S. ; Tentzeris, M. M. ; Mariotti, C. ; Roselli, L. / **Inkjet-printed dual microfluidic-based sensor integrated system**. 2015 IEEE SENSORS - Proceedings. Institute of Electrical and Electronics Engineers Inc., 2015.

Nate, Kunal ; Tentzeris, Manos M. / **A novel 3-D printed loop antenna using flexible NinjaFlex material for wearable and IoT applications**. 2015 IEEE 24th Conference on Electrical Performance of Electronic Packaging and Systems, EPEPS 2015. Institute of Electrical and Electronics Engineers Inc., 2015. Sivut 171-174

Baron, A. ; Faggiani, R. ; Zang, X. ; Lalouat, L. ; Schulz, S. A. ; Vynck, K. ; O'Regan, B. ; Cluzel, B. ; De Fornel, F. ; Krauss, T. F. ; Lalanne, P. / **Localization of light at vanishingly small disorder-levels with heavy photons**. 2015 Conference on Lasers and Electro-Optics, CLEO 2015. Vuosikerta 2015-August Optical Society of America OSA, 2015.

Laurila, Mika-Matti ; Soltani, Ayat ; Mäntysalo, Matti. / **Inkjet printed single layer high-density circuitry for a MEMS device.** 2015 IEEE 65th Electronic Components and Technology Conference (ECTC). IEEE, 2015. Sivut 968-972

Le, Taoran ; Song, Bo ; Liu, Qi ; Bahr, Ryan A. ; Moscato, Stefano ; Wong, Ching Ping ; Tentzeris, Manos M. / **A novel strain sensor based on 3D printing technology and 3D antenna design.** 2015 IEEE 65th Electronic Components and Technology Conference, ECTC 2015. Vuosikerta 2015-July Institute of Electrical and Electronics Engineers Inc., 2015. Sivut 981-986

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

Moradi, E. ; Koski, K. ; Hasani, M. ; Rahmat-Samii, Y. ; Ukkonen, L. / **Antenna design considerations for far field and near field wireless body-centric systems.** ICCEM 2015 - 2015 IEEE International Conference on Computational Electromagnetics. The Institute of Electrical and Electronics Engineers, Inc., 2015. Sivut 59-60

Heikkinen, Juuso ; Gumenyuk, Regina ; Rantamäki, Antti ; Lyytikäinen, Jari ; Leinonen, Tomi ; Zolotovskii, Igor ; Melkumov, Mikhail ; Dianov, Evgeny M. ; Okhotnikov, Oleg G. / **Power and wavelength scaling using semiconductor disk laser - bismuth fiber MOPA systems.** Vertical External Cavity Surface Emitting Lasers (VECSELs) V. Toimittaja / M Guina. BELLINGHAM : SPIE, 2015. (Proceedings of SPIE).

Ledentsov, N. N. ; Shchukin, V. A. ; Lyytikäinen, J. ; Okhotnikov, O. ; Cherkashin, N. A. ; Shernyakov, Yu M. ; Payusov, A. S. ; Gordeev, N. Y. ; Maximov, M. V. ; Schlichting, S. ; Nippert, F. ; Hoffmann, A. / **Green (In,Ga,Al)P-GaP light-emitting diodes grown on high-index GaAs surfaces.** Proceedings of SPIE: Light-Emitting Diodes: Materials, Devices, and Applications for Solid State Lighting XIX. Vuosikerta 9383 SPIE, 2015.

Suominen, Olli ; Gotchev, Atanas. / **Preserving natural scene lighting by strobe-lit video.** Image Processing: Algorithms and Systems XIII. SPIE, 2015. (SPIE Conference Proceedings).

Frosio, Iuri ; Egiazarian, Karen ; Pulli, Kari. / **Machine learning for adaptive bilateral filtering.** Image Processing: Algorithms and Systems XIII. Vuosikerta 9399 SPIE, 2015. (Proceedings of SPIE - The International Society for Optical Engineering).

Battisti, F. ; Carli, M. ; Stramacci, A. ; Boev, A. ; Gotchev, A. / **A perceptual quality metric for high-definition stereoscopic 3D video.** Image Processing: Algorithms and Systems XIII. SPIE, 2015. (SPIE Conference Proceedings).

Voronin, V. V. ; Frantc, V. A. ; Marchuk, V. I. ; Sherstobitov, A. I. ; Egiazarian, K. / **No-reference visual quality assessment for image inpainting.** Image Processing: Algorithms and Systems XIII. SPIE, 2015. (SPIE Conference Proceedings).

Smirnov, Sergey ; Gotchev, Atanas. / **Real-time depth image-based rendering with layered dis-occlusion compensation and aliasing-free composition.** Proceedings of SPIE - The International Society for Optical Engineering. SPIE, 2015. (SPIE Conference Proceedings).

Rubel, Aleksey S. ; Lukin, Vladimir V. ; Egiazarian, Karen. / **A method for predicting DCT-based denoising efficiency for grayscale images corrupted by AWGN and additive spatially correlated noise.** Proceedings of SPIE - The International Society for Optical Engineering. Vuosikerta 9399 SPIE, 2015.

Voronin, V. V. ; Marchuk, V. I. ; Fisunov, A. V. ; Tokareva, S. V. ; Egiazarian, K. O. / **Depth map occlusion filling and scene reconstruction using modified exemplar-based inpainting.** Image Processing: Algorithms and Systems XIII. SPIE, 2015. (SPIE Conference Proceedings).

Kantola, Emmi ; Leinonen, Tomi ; Ranta, Sanna ; Tavast, Miki ; Penttinen, Jussi-Pekka ; Guina, Mircea. / **1180nm VECSEL with 50 W output power.** Proceedings of SPIE - The International Society for Optical Engineering. Vuosikerta 9349 SPIE, 2015.

Korpijärvi, Ville-Markus ; Kantola, Emmi L. ; Leinonen, Tomi ; Guina, Mircea. / **Monolithic GaInNAsSb/GaAs VECSEL emitting at 1550 nm**. SPIE conference proceedings. Vuosikerta 9349 SPIE, 2015.

Leinonen, Tomi ; Penttinen, Jussi Pekka ; Korpijärvi, Ville Markus ; Kantola, Emmi ; Guina, Mircea. / **>8W GaInNAs VECSEL emitting at 615 nm**. Proceedings of SPIE: Vertical External Cavity Surface Emitting Lasers (VECSELs) V. Vuosikerta 9349 SPIE, 2015.

Lukin, Vladimir V. ; Ponomarenko, Nikolay N. ; Ieremeiev, Oleg ; Egiazarian, Karen ; Astola, Jaakko. / **Combining full-reference image visual quality metrics by neural network**. Proceedings of SPIE - The International Society for Optical Engineering. Vuosikerta 9394 SPIE, 2015.

Wang, Yicheng ; Xie, Guoqiang ; Xu, Xiaodong ; Di, Juqing ; Qin, Zhipeng ; Suomalainen, Soile ; Guina, Mircea ; Härkönen, Antti ; Agnesi, Antonio ; Griebner, Uwe ; Mateos, Xavier ; Loiko, Pavel ; Petrov, Valentin. / **SESAM mode-locked Tm : CALGO laser at 2 μm**. Advanced Solid State Lasers, ASSL 2015. Optical Society of America OSA, 2015.

Ye, Changgeng ; Koponen, Joonas ; Aallos, Ville ; Kokki, Teemu ; Petit, Laetitia ; Kimmelma, Ossi. / **Measuring bend losses in large-mode-area fibers**. Fiber Lasers XII: Technology, Systems, and Applications. Vuosikerta 9344 SPIE, 2015.

Leroy, Henri Arthur ; Vermandel, Maximilien ; Tétard, Marie Charlotte ; Lejeune, Jean Paul ; Mordon, Serge ; Reyns, Nicolas. / **Interstitial photodynamic therapy and glioblastoma : Light fractionation study on a preclinical model: Preliminary results**. Optical Techniques in Neurosurgery, Neurophotonics, and Optogenetics II. Vuosikerta 9305 SPIE, 2015.

Mathew, S. ; Koskinen, Kalle ; Czaplicki, Robert ; Pradeep, C. ; Kailasnath, M. ; GVallabhan, C. P. ; Kauranen, Martti ; Radhakrishnan, P. / **Study of second-harmonic generation from CdS nanostructured thin film**. 12th International Conference on Fiber Optics and Photonics. Optical Society of America (OSA), 2014.

Moradi, Elham ; Koski, Karoliina ; Björninen, Toni ; Muller, Rikky ; Ledochowitsch, Peter ; Sydänheimo, Lauri ; Alon, Elad ; Maharbiz, Michel M. ; Rabaey, Jan M. ; Ukkonen, Leena ; Rahmat-Samii, Yahya. / **Advances in implantable and wearable antennas for wireless brain-machine interface systems**. 2014 United States National Committee of URSI National Radio Science Meeting, USNC-URSI NRSM 2014. Institute of Electrical and Electronics Engineers Inc., 2014.

Daerhan, Daerhan ; Jonah, Olutola ; Hu, Hao ; Georgakopoulos, Stavros V. ; Tentzeris, Manos M. / **Novel highly-efficient and misalignment insensitive wireless power transfer systems utilizing Strongly Coupled Magnetic Resonance principles**. Proceedings - Electronic Components and Technology Conference. Institute of Electrical and Electronics Engineers Inc., 2014. Sivut 759-762

Le, Taoran ; Lin, Ziyin ; Wong, C. P. ; Tentzeris, M. M. / **Enhanced-performance wireless conformal "smart skins" utilizing inkjet-printed carbon-nanostructures**. Proceedings - Electronic Components and Technology Conference. Institute of Electrical and Electronics Engineers Inc., 2014. Sivut 769-774

Piccardi, Armando ; Alberucci, Alessandro ; Kravets, Nina ; Buchnev, Oleksander ; Kaczmarek, Malgosia ; Assanto, Gaetano. / **Bistable optical propagation in nematic liquid crystals**. Nonlinear Photonics, NP 2014. Optical Society of America OSA, 2014.

Kantola, Emmi ; Leinonen, Tomi ; Ranta, Sanna ; Tavast, Miki ; Guina, Mircea. / **Pulsed high-power yellow-orange VECSEL**. Photonics Europe 2014, Semiconductor Lasers and Laser Dynamics VI, April 14-17, 2014, Brussels, Belgium. Proceedings of SPIE. Vuosikerta 9134 SPIE, 2014. (SPIE Conference Proceedings).

Gumenyuk, R. ; Filippov, V. ; Vorotinskii, A. ; Okhotnikov, O. G. ; Chamorovskii, Yu ; Golant, K. / **All-fiber, high-power, picosecond Yb double clad tapered fiber amplifier**. Proceedings - 2014 International Conference Laser Optics, LO 2014. IEEE, 2014.

Stumpel, Jelle E. ; Broer, Dirk J. ; Bastiaansen, Cees W M ; Schenning, Albert P H J. / **Optical and topographic changes in water-responsive patterned cholesteric liquid crystalline polymer coatings**. Proceedings of SPIE: Organic Photonics VI. Vuosikerta 9137 SPIE, 2014. (Proceedings of SPIE: the International Society for Optical Engineering).

Sand, Antti ; Rakkolainen, Ismo. / **A hand-held immaterial volumetric display**. Proceedings of SPIE-IS and T Electronic Imaging - Stereoscopic Displays and Applications XXV. Vuosikerta 9011 SPIE, 2014.

Ye, Changgeng ; Koponen, Joonas ; Aallos, Ville ; Petit, Laetitia ; Kimmelma, Ossi ; Kokki, Teemu. / **Mode coupling in few-mode large-mode-area fibers**. Fiber Lasers XI: Technology, Systems, and Applications. Vuosikerta 8961 SPIE, 2014.

Cho, Chunhee ; Yi, Xiaohua ; Wang, Yang ; Tentzeris, Manos M. ; Leon, Roberto T. / **Compressive strain measurement using RFID patch antenna sensors**. Sensors and Smart Structures Technologies for Civil, Mechanical, and Aerospace Systems 2014. Vuosikerta 9061 SPIE, 2014.

Zang, X. ; Lalanne, P. / **Strong localization in unintentional disordered photonics crystal waveguides**. 2013 7th International Congress on Advanced Electromagnetic Materials in Microwaves and Optics, METAMATERIALS 2013. IEEE COMPUTER SOCIETY PRESS, 2013. Sivut 322-324

Le, Taoran ; Lin, Ziyin ; Wong, C. P. ; Tentzeris, M. M. / **Novel enhancement techniques for ultra-high-performance conformal wireless sensors and 'smart skins' utilizing inkjet-printed graphene**. 2013 IEEE 63rd Electronic Components and Technology Conference, ECTC 2013. 2013. Sivut 1640-1643

Yi, Xiaohua ; Cho, Chunhee ; Cook, Benjamin ; Wang, Yang ; Tentzeris, Manos M. ; Leon, Roberto T. / **Design and simulation of a slotted patch antenna sensor for wireless strain sensing**. Nondestructive Characterization for Composite Materials, Aerospace Engineering, Civil Infrastructure, and Homeland Security 2013. Vuosikerta 8694 2013.

Le, Taoran ; Lakafosis, Vasileios ; Lin, Ziyin ; Wong, C. P. ; Tentzeris, M. M. / **Inkjet-printed graphene-based wireless gas sensor modules**. 2012 IEEE 62nd Electronic Components and Technology Conference, ECTC 2012. 2012. Sivut 1003-1008

Yi, Xiaohua ; Vyas, Rushi ; Cho, Chunhee ; Fang, Chia Hung ; Cooper, James ; Wang, Yang ; Leon, Roberto T. ; Tentzeris, Manos M. / **Thermal effects on a passive wireless antenna sensor for strain and crack sensing**. Sensors and Smart Structures Technologies for Civil, Mechanical, and Aerospace Systems 2012. Vuosikerta 8345 2012.

Colace, Lorenzo ; Scacchi, Andrea ; Assanto, Gaetano. / **Noise characterization of Ge/Si photodetectors**. 8th IEEE International Conference on Group IV Photonics, GFP 2011. 2011. Sivut 290-292

Colace, Lorenzo ; Sorianello, Vito ; Maragliano, Carlo ; Assanto, Gaetano ; Fulgoni, D. ; Nash, L. ; Palmer, M. / **Germanium-on-glass solar cells**. 8th IEEE International Conference on Group IV Photonics, GFP 2011. 2011. Sivut 255-257

Sapaev, U. K. ; Yusupov, D. B. ; Assanto, G. / **Multicolor nonlinear pulse compression by consecutive optical parametric amplification in quasi-phase matched structures**. ICONO 2010: International Conference on Coherent and Nonlinear Optics. Vuosikerta 7993 2011.

Beck, Sungho ; Kim, Stephen T. ; Lim, Kyutae ; Tentzeris, Manos M. ; Laskar, Joy. / **A multi-band WCDMA SAW-less receivers with frequency selective feedback loop**. 54th IEEE International Midwest Symposium on Circuits and Systems, MWSCAS 2011. 2011.

Dejean, Gerald ; Lakafosis, Vasileios ; Traill, Anya ; Lee, Hoseon ; Gebara, Edward ; Tentzeris, Manos ; Kirovski, Darko. / **RFDNA : A wireless authentication system on flexible substrates**. 2011 IEEE 61st Electronic Components and Technology Conference, ECTC 2011. 2011. Sivut 1332-1337

Yi, Xiaohua ; Wu, Terence ; Lantz, Gabriel ; Wang, Yang ; Leon, Roberto T. ; Tentzeris, Manos M. / **Thickness variation study of RFID-based folded patch antennas for strain sensing**. Sensors and Smart Structures Technologies for Civil, Mechanical, and Aerospace Systems 2011. Vuosikerta 7981 2011.

Cakmakyapan, Semih ; Caglayan, Humeyra ; Serebryannikov, Andriy ; Ozbay, Ekmel. / **Directional selectivity through the subwavelength slit in metallic gratings**. 2011 Conference on Lasers and Electro-Optics: Laser Science to Photonic Applications, CLEO 2011. 2011.

Slablab, A. ; Le Xuan, L. ; Zhou, C. ; Chauvat, D. ; De Wilde, Y. ; Perruchas, S. ; Tard, C. ; Gacoin, T. ; Villeval, P. ; Roch, J. F. / **Single KTiOPO4 nanocrystals for nonlinear probing of local optical fields and interaction with a metallic nanostructure**. CLEO/Europe - EQEC 2009 - European Conference on Lasers and Electro-Optics and the European Quantum Electronics Conference. 2009.

Caglayan, Humeyra ; Ozbay, Ekmel. / **The magical world of metamaterials**. Photonic Materials, Devices, and Applications III. Vuosikerta 7366 2009. (Proceedings of SPIE).

Qu, Yang ; Soininen, Juha Pekka ; Nurmi, Jari. / **A genetic algorithm for scheduling tasks onto dynamically reconfigurable hardware**. 2007 IEEE International Symposium on Circuits and Systems. 2007. Sivut 161-164

Qu, Yang ; Tiensyrjä, Kari ; Soininen, Juha Pekka ; Nurmi, Jari. / **System-level design for partially reconfigurable hardware**. 2007 IEEE International Symposium on Circuits and Systems. 2007. Sivut 2738-2741

Ozbay, Ekmel ; Bulu, Irfan ; Caglayan, Humeyra. / **Labyrinth based left-handed metamaterials and sub-wavelength focusing of electromagnetic waves**. Photonic Crystal Materials and Devices IV. Vuosikerta 6128 2006. (Proceedings of SPIE).

Peccianti, Marco ; Alberucci, Alessandro ; Assanto, Gaetano ; De Luca, Antonio ; Coschignano, Gianluca ; Umeton, Cesare. / **Walking anisotropic spatial solitons and their steering in nematic liquid crystals**. Nonlinear Guided Waves and Their Applications, NLGW 2005. Optical Society of America OSA, 2005.

Kariniemi, H. ; Nurmi, J. ; Fagerlund, P. ; Liitola, J. ; Alinikula, J. / **ATM switch for 2.488 Gbit/s CATV network on FPGA with a high-throughput buffering architecture**. Midwest Symposium on Circuits and Systems. Vuosikerta 2 2002.

Kantola, J. H. ; Vaara, J. ; Rantala, T. T. ; Jokisaari, J. / **Molecular dynamics simulations for Xe absorbed in zeolites**. Materials Research Society Symposium - Proceedings. Toimittaja / Efthimios Kaxiras ; John Joannopoulos ; Priya Vashishta ; Rajiv K. Kalia. Vuosikerta 408 MATERIALS RESEARCH SOCIETY, 1996. Sivut 599-604

Vehviläinen, Juhani ; Nurmi, Jari. / **Processor core for 32 kbit/s G.726 ADPCM codecs**. 1995 IEEE International Symposium on Circuits and Systems. ISCAS '95. Vuosikerta 3 IEEE, 1995. Sivut 1932-1935

Genty, Goëry ; Friberg, Ari T. ; Turunen, Jari. / **Coherence of Supercontinuum Light**. Progress in Optics. Vuosikerta 61 Elsevier, 2016. (Progress in Optics).

Stumpel, Jelle E. ; Broer, Dirk J. ; Schenning, Albertus P H J. / **Stimuli-responsive photonic polymer coatings**. Julkaisussa: Chemical Communications. 2014 ; Vuosikerta 50, Nro 100. Sivut 15839-15848.

Busacca, Alessandro C. ; Stivala, Salvatore ; Curcio, Luciano ; Assanto, Gaetano. / **Parametric conversion in micrometer and submicrometer structured ferroelectric crystals by surface poling**. Julkaisussa: International Journal of Optics. 2012 ; Vuosikerta 2012.

Veber, A. ; Smedskjaer, M.M. ; de Ligny, D. / **Relaxation behavior of densified sodium aluminoborate glass**. Julkaisussa: Acta Materialia. 2020 ; Vuosikerta 198. Sivut 153-167.

Aho, Antti T. ; Viheriälä, Jukka ; Koskinen, Mervi ; Uusitalo, Topi ; Reuna, Jarno ; Guina, Mircea. / **High-Power 1.5 μm Tapered Distributed Bragg Reflector Laser Diodes for Eye-Safe LIDAR**. Julkaisussa: IEEE Photonics Technology Letters. 2020 ; Vuosikerta 32, Nro 19. Sivut 1249-1252.

Ojha, N. ; Bogdan, M. ; Galatus, R. ; Petit, L. / **Effect of heat-treatment on the upconversion of $\text{NaYF}_4:\text{Yb}^{3+}, \text{Er}^{3+}$ nanocrystals containing silver phosphate glass**. Julkaisussa: Journal of Non-Crystalline Solids. 2020 ; Vuosikerta 544.

Kleiven, David ; Akola, Jaakko. / **Precipitate formation in aluminium alloys : Multi-scale modelling approach**. Julkaisussa: Acta Materialia. 2020 ; Vuosikerta 195. Sivut 123-131.

Zhao, Junjie ; Stenvall, Antti ; Gao, Yuanwen ; Salmi, Tiina. / **Analytical and Numerical Methods to Estimate the Effective Mechanical Properties of Rutherford Cables**. Julkaisussa: IEEE Transactions on Applied Superconductivity. 2020 ; Vuosikerta 30, Nro 5.

Lahtinen, Valtteri ; Stenvall, Antti. / **Semantics of HTS AC Loss Modeling : Theories, Models, and Experiments**. Julkaisussa: IEEE Transactions on Applied Superconductivity. 2020 ; Vuosikerta 30, Nro 5.

Shevkunov, Igor ; Katkovnik, Vladimir ; Claus, Daniel ; Pedrini, Giancarlo ; Petrov, Nikolay V. ; Egiazarian, Karen. / **Hyperspectral phase imaging based on denoising in complex-valued eigensubspace**. Julkaisussa: Optics and Lasers in Engineering. 2020 ; Vuosikerta 127.

Tainio, J. M. ; Salazar, D. A. Avila ; Nommeots-Nomm, A. ; Roiland, C. ; Bureau, B. ; Neuville, D. R. ; Brauer, D. S. ; Massera, J. / **Structure and in vitro dissolution of Mg and Sr containing borosilicate bioactive glasses for bone tissue engineering**. Julkaisussa: Journal of Non-Crystalline Solids. 2020 ; Vuosikerta 533.

Brandt, Florian ; Hiekkamäki, Markus ; Bouchard, Frédéric ; Huber, Marcus ; Fickler, Robert. / **High-dimensional quantum gates using full-field spatial modes of photons**. Julkaisussa: Optica. 2020 ; Vuosikerta 7, Nro 2. Sivut 98-107.

Moiseev, E. I. ; Maximov, M. V. ; Kryzhanovskaya, N. V. ; Simchuk, O. I. ; Kulagina, M. M. ; Kadinskaya, S. A. ; Guina, M. ; Zhukov, A. E. / **Comparative Analysis of Injection Microdisk Lasers Based on InGaAsN Quantum Wells and InAs/InGaAs Quantum Dots**. Julkaisussa: Semiconductors. 2020 ; Vuosikerta 54, Nro 2. Sivut 263-267.

Julku, A. ; Peltonen, T. J. ; Liang, L. ; Heikkilä, T. T. ; Törmä, P. / **Superfluid weight and Berezinskii-Kosterlitz-Thouless transition temperature of twisted bilayer graphene**. Julkaisussa: Physical Review B. 2020 ; Vuosikerta 101, Nro 6.

Nieminen, Arttu ; Marini, Andrea ; Ornigotti, Marco. / **Goos-Hänchen and Imbert-Fedorov shifts for epsilon-near-zero materials**. Julkaisussa: Journal of Optics. 2020 ; Vuosikerta 22, Nro 3.

Yildiz, Bilge Can ; Bek, Alpan ; Tasgin, Mehmet Emre. / **Plasmon lifetime enhancement in a bright-dark mode coupled system**. Julkaisussa: Physical Review B. 2020 ; Vuosikerta 101, Nro 3.

Hongisto, M. ; Veber, A. ; Boetti, N. G. ; Danto, S. ; Jubera, V. ; Petit, L. / **Transparent Yb^{3+} doped phosphate glass-ceramics**. Julkaisussa: Ceramics International. 2020.

Bitarafan, Mohammad H. ; Suomala, Sofia ; Toivonen, Juha. / **Sub-microwatt direct laser writing of fluorescent gold nanoclusters in polymer films**. Julkaisussa: Optical Materials Express. 2020 ; Vuosikerta 10, Nro 1. Sivut 138-148.

Fickler, Robert ; Bouchard, Frédéric ; Giese, Enno ; Grillo, Vincenzo ; Leuchs, Gerd ; Karimi, Ebrahim. / **Full-field mode sorter using two optimized phase transformations for high-dimensional quantum cryptography**. Julkaisussa: Journal of Optics (United Kingdom). 2020 ; Vuosikerta 22, Nro 2.

Donmez, O. ; Aydin, M. ; Ardali ; Yildirim, S. ; Tiraş, E. ; Nutku, F. ; Cetinkaya, C. ; okduygular, E. ; Puustinen, J. ; Hilska, J. ; Guina, M. ; Erol, A. / **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.** Julkaisussa: Semiconductor Science and Technology. 2020 ; Vuosikerta 35, Nro 2.

Tofanello, Aryane ; Freitas, Andre L.M. ; Carvalho, Waldemir M. ; Salminen, Turkka ; Niemi, Tapio ; Souza, Flavio L. / **Hematite Surface Modification toward Efficient Sunlight-Driven Water Splitting Activity : The Role of Gold Nanoparticle Addition.** Julkaisussa: Journal of Physical Chemistry C. 2020.

Huda, Md Nurul ; Kezilebieke, Shawulienu ; Ojanen, Teemu ; Drost, Robert ; Liljeroth, Peter. / **Tuneable topological domain wall states in engineered atomic chains.** Julkaisussa: npj Quantum Materials. 2020 ; Vuosikerta 5, Nro 1.

Mosallaei, Milad ; Di Vito, Donato ; Khorramdel, Behnam ; Mäntysalo, Matti. / **Improvements in the electromechanical properties of stretchable interconnects by locally tuning the stiffness.** Julkaisussa: Flexible and Printed Electronics. 2020 ; Vuosikerta 5, Nro 1.

Salmi, Tiina ; Tarhasaari, Timo ; Izquierdo-Bermudez, Susana. / **A Database for Storing Magnet Parameters and Analysis of Quench Test Results in HL-LHC Nb₃Sn Short Model Magnets.** Julkaisussa: IEEE Transactions on Applied Superconductivity. 2020 ; Vuosikerta 30, Nro 4.

Del Cerro, Paloma Roldán ; Teittinen, Henriikka ; Norrbo, Isabella ; Lastusaari, Mika ; Massera, Jonathan ; Petit, Laetitia. / **Novel borosilicate bioactive scaffolds with persistent luminescence.** Julkaisussa: Biomedical Glasses. 2020 ; Vuosikerta 6, Nro 1. Sivut 1-9.

Palmolahti, Lauri ; Ali-Löytty, Harri ; Khan, Ramsha ; Saari, Jesse ; Tkachenko, Nikolai V. ; Valden, Mika. / **Modification of Surface States of Hematite-Based Photoanodes by Submonolayer of TiO₂ for Enhanced Solar Water Splitting.** Julkaisussa: Journal of Physical Chemistry C. 2020 ; Vuosikerta 124, Nro 24. Sivut 13094-13101.

Korobko, D. A. ; Stoliarov, D. A. ; Itrin, P. A. ; Odnoblyudov, M. A. ; Petrov, A. B. ; Gumenyuk, R. V. / **Harmonic mode-locking fiber ring laser with a pulse repetition rate up to 12 GHz.** Julkaisussa: Optics and laser technology. 2020 ; Vuosikerta 133.

Habib, Mohsin ; Briukhanova, Daria ; Das, Nekhel ; Yildiz, Bilge Can ; Caglayan, Humeyra. / **Controlling the plasmon resonance via epsilon-near-zero multilayer metamaterials.** Julkaisussa: Nanophotonics. 2020 ; Vuosikerta 9, Nro 11.

Kulya, M. S. ; Katkovnik, V. Ya ; Egiazarian, K. ; Petrov, N. V. / **Features of correlation measurements of the parameters of pulsed hyperspectral optical fields using an asymmetric interferometer.** Julkaisussa: Quantum Electronics. 2020 ; Vuosikerta 50, Nro 7. Sivut 679-682.

Ghazy, Amr ; Safdar, Muhammad ; Lastusaari, Mika ; Aho, Arto ; Tukiainen, Antti ; Savin, Hele ; Guina, Mircea ; Karppinen, Maarit. / **Luminescent (Er,Ho)₂O₃ thin films by ALD to enhance the performance of silicon solar cells.** Julkaisussa: Solar Energy Materials and Solar Cells. 2020 ; Vuosikerta 219.

Donmez, O. ; Aydin, M. ; Ardali ; Yildirim, S. ; Tiraş, E. ; Erol, A. ; Puustinen, J. ; Hilska, J. ; Guina, M. / **Power loss mechanisms in n-type modulation-doped AlGaAs/GaAsBi quantum well heterostructures.** Julkaisussa: Semiconductor Science and Technology. 2020 ; Vuosikerta 35, Nro 9.

Dongho-Nguimdo, G. M. ; Igumbor, Emmanuel ; Zambou, Serges ; Joubert, Daniel P. / **First principles prediction of the solar cell efficiency of chalcopyrite materials AgMX₂(M=In, Al; X=S, Se, Te).** Julkaisussa: Computational Condensed Matter. 2019 ; Vuosikerta 21.

Rissanen, Ilari ; Laurson, Lasse. / **Bursty magnetic friction between polycrystalline thin films with domain walls.** Julkaisussa: Physical Review B. 2019 ; Vuosikerta 100, Nro 14.

Vetter, Christian ; Steinkopf, Ralf ; Bergner, Klaus ; Ornigotti, Marco ; Nolte, Stefan ; Gross, Herbert ; Szameit, Alexander. / **Realization of Free-Space Long-Distance Self-Healing Bessel Beams**. Julkaisussa: Laser and Photonics Reviews. 2019 ; Vuosikerta 13, Nro 10.

Skaugen, Audun ; Murray, Peyton ; Laurson, Lasse. / **Analytical computation of the demagnetizing energy of thin-film domain walls**. Julkaisussa: Physical Review B. 2019 ; Vuosikerta 100, Nro 9.

Klauck, F. ; Teuber, L. ; Ornigotti, M. ; Heinrich, M. ; Scheel, S. ; Szameit, A. / **Observation of PT-symmetric quantum interference**. Julkaisussa: Nature Photonics. 2019.

Rissanen, Ilari ; Laurson, Lasse. / **Magnetic non-contact friction from domain wall dynamics actuated by oscillatory mechanical motion**. Julkaisussa: Journal of Physics D: Applied Physics. 2019 ; Vuosikerta 52, Nro 44.

Lorin, Clement ; Fleiter, Jerome ; Salmi, Tiina ; Schoerling, Daniel. / **Exploration of Two Layer Nb₃Sn Designs of the Future Circular Collider Main Quadrupoles**. Julkaisussa: IEEE Transactions on Applied Superconductivity. 2019 ; Vuosikerta 29, Nro 5.

Hannula, M. ; Ali-Löytty, H. ; Lahtonen, K. ; Saari, J. ; Tukiainen, A. ; Valden, M. / **Highly efficient charge separation in model Z-scheme TiO₂/TiSi₂/Si photoanode by micropatterned titanium silicide interlayer**. Julkaisussa: Acta Materialia. 2019 ; Vuosikerta 174. Sivut 237-245.

Murtomäki, Jaakko Samuel ; Van Nugteren, Jeroen ; Stenvall, Antti ; Kirby, Glyn ; Rossi, Lucio. / **3-D mechanical modeling of 20 T HTS clover leaf end coils - Good practices and lessons learned**. Julkaisussa: IEEE Transactions on Applied Superconductivity. 2019 ; Vuosikerta 29, Nro 5.

Nechay, Kostiantyn ; Kahle, Hermann ; Penttinen, Jussi-Pekka ; Rajala, Patrik ; Tukiainen, Antti ; Ranta, Sanna ; Guina, Mircea. / **AlGaAs/AlGaInP VECSELS with Direct Emission at 740-770 nm**. Julkaisussa: IEEE Photonics Technology Letters. 2019 ; Vuosikerta 31, Nro 15. Sivut 1245-1248.

Wu, Han ; Ryczkowski, Piotr ; Friberg, Ari T. ; Dudley, John M. ; Genty, Goëry. / **Temporal ghost imaging using wavelength conversion and two-color detection**. Julkaisussa: Optica. 2019 ; Vuosikerta 6, Nro 7. Sivut 902-906.

Bhalerao, Sagar R. ; Lupo, Donald ; Zangiabadi, Amirali ; Kymissis, Ioannis ; Leppäniemi, Jaakko ; Alastalo, Ari ; Berger, Paul R. / **0.6V threshold voltage thin film transistors with solution processable indium oxide (In₂O₃) Channel and Anodized High-κ Al₂O₃ Dielectric**. Julkaisussa: IEEE Electron Device Letters. 2019 ; Vuosikerta 40, Nro 7. Sivut 1112-1115.

Isoaho, Riku ; Aho, Arto ; Tukiainen, Antti ; Aho, Timo ; Raappana, Marianna ; Salminen, Turkka ; Reuna, Jarno ; Guina, Mircea. / **Photovoltaic properties of low-bandgap (0.7–0.9eV) lattice-matched GaInNAsSb solar junctions grown by molecular beam epitaxy on GaAs**. Julkaisussa: Solar Energy Materials and Solar Cells. 2019 ; Vuosikerta 195. Sivut 198-203.

Salmi, Tiina ; Schoerling, Daniel. / **Energy density-method : An approach for a quick estimation of quench temperatures in high-field accelerator magnets**. Julkaisussa: IEEE Transactions on Applied Superconductivity. 2019 ; Vuosikerta 29, Nro 4.

Hütner, Johanna ; Herranen, Touko ; Laurson, Lasse. / **Multistep Bloch-line-mediated Walker breakdown in ferromagnetic strips**. Julkaisussa: Physical Review B. 2019 ; Vuosikerta 99, Nro 17.

Kurka, M. ; Dyksik, M. ; Suomalainen, S. ; Koivusalo, E. ; Guina, M. ; Motyka, M. / **GaInAsSb/AlGa(In)AsSb type I quantum wells emitting in 3µm range for application in superluminescent diodes**. Julkaisussa: Optical Materials. 2019 ; Vuosikerta 91. Sivut 274-278.

Minarelli, Emma L. ; Poyhönen, Kim ; Van Dalum, Gerwin A.R. ; Ojanen, Teemu ; Fritz, Lars. / **Engineering of Chem insulators and circuits of topological edge states**. Julkaisussa: Physical Review B. 2019 ; Vuosikerta 99, Nro 16.

Guandalini, Alberto ; Rozzi, Carlo A. ; Räsänen, Esa ; Pittalis, Stefano. / **Fundamental gaps of quantum dots on the cheap**. Julkaisussa: Physical Review B. 2019 ; Vuosikerta 99, Nro 12.

Edwards, Thomas Edward James ; Di Gioacchino, Fabio ; Goodfellow, Amy Jane ; Mohanty, Gaurav ; Wehrs, Juri ; Michler, Johann ; Clegg, William John. / **Transverse deformation of a lamellar TiAl alloy at high temperature by in situ microcompression**. Julkaisussa: Acta Materialia. 2019 ; Vuosikerta 166. Sivut 85-99.

Karhu, Marjaana ; Lagerbom, Juha ; Solismaa, Soili ; Honkanen, Mari ; Ismailov, Arnold ; Räsänen, Marja Liisa ; Huttunen-Saarivirta, Elina ; Levänen, Erkki ; Kivikytö-Reponen, Päivi. / **Mining tailings as raw materials for reaction-sintered aluminosilicate ceramics : Effect of mineralogical composition on microstructure and properties**. Julkaisussa: Ceramics International. 2019 ; Vuosikerta 45, Nro 4. Sivut 4840-4848.

Nejadsattari, Farshad ; Zhang, Yingwen ; Bouchard, Frédéric ; Larocque, Hugo ; Sit, Alicia ; Cohen, Eliahu ; Fickler, Robert ; Karimi, Ebrahim. / **Experimental realization of wave-packet dynamics in cyclic quantum walks**. Julkaisussa: Optica. 2019 ; Vuosikerta 6, Nro 2. Sivut 174-180.

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, A. S. ; Idemoto, Y. ; Sakata, O. ; Ohishi, Y. / **Ultrahigh-pressure form of Si O₂ glass with dense pyrite-type crystalline homology**. Julkaisussa: Physical Review B. 2019 ; Vuosikerta 99, Nro 4.

Edwards, Thomas Edward James ; Di Gioacchino, Fabio ; Goodfellow, Amy Jane ; Mohanty, Gaurav ; Wehrs, Juri ; Michler, Johann ; Clegg, William John. / **Deformation of lamellar γ -TiAl below the general yield stress**. Julkaisussa: Acta Materialia. 2019 ; Vuosikerta 163. Sivut 122-139.

Ojha, N. ; Tuomisto, M. ; Lastusaari, M. ; Petit, L. / **Phosphate glasses with blue persistent luminescence prepared using the direct doping method**. Julkaisussa: Optical Materials. 2019 ; Vuosikerta 87. Sivut 151-156.

van Nugteren, Jeroen ; Murtomäki, Jaakko ; Ruuskanen, Janne ; Kirby, Glyn ; Hagen, Per ; DeRijk, Gijs ; Ten Kate, Herman ; Bottura, Luca ; Rossi, Lucio. / **A Fast Quench Protection System for High-Temperature Superconducting Magnets**. Julkaisussa: IEEE Transactions on Applied Superconductivity. 2019 ; Vuosikerta 29, Nro 1.

Haapanen, Janne ; Aromaa, Mikko ; Teisala, Hannu ; Juuti, Paxton ; Tuominen, Mikko ; Sillanpää, Markus ; Stepien, Milena ; Saarinen, Jarkko J. ; Toivakka, Martti ; Kuusipalo, Jurkka ; Mäkelä, Jyrki M. / **On the limit of superhydrophobicity : Defining the minimum amount of TiO₂ nanoparticle coating**. Julkaisussa: Materials Research Express. 2019 ; Vuosikerta 6, Nro 3.

Barberi, Jacopo ; Nommeots-Nomm, Amy ; Fiume, Elisa ; Verné, Enrica ; Massera, Jonathan ; Baino, Francesco. / **Mechanical characterization of pore-graded bioactive glass scaffolds produced by robocasting**. Julkaisussa: Biomedical Glasses. 2019 ; Vuosikerta 5, Nro 1. Sivut 140-147.

Passananti, Monica ; Zapadinsky, Evgeni ; Zanca, Tommaso ; Kangasluoma, Juha ; Myllys, Nanna ; Rissanen, Matti P. ; Kurtén, Theo ; Ehn, Mikael ; Attoui, Michel ; Vehkamäki, Hanna. / **How well can we predict cluster fragmentation inside a mass spectrometer?** Julkaisussa: Chemical Communications. 2019 ; Vuosikerta 55, Nro 42. Sivut 5946-5949.

Joost, Urmas ; Sutka, Andris ; Oja, Marek ; Smits, Krisjanis ; Doebelin, Nicola ; Loot, Ardi ; Järvekülg, Martin ; Hirsimäki, Mika ; Valden, Mika ; Nommiste, Ergo. / **Reversible photodoping of TiO₂ nanoparticles**. Julkaisussa: Chemistry of Materials. 2018 ; Vuosikerta 30, Nro 24. Sivut 8968-8974.

Murtomäki, Jaakko Samuel ; van Nugteren, Jeroen ; Kirby, Glyn ; DeRijk, Gijs ; Rossi, Lucio ; Stenvall, Antti. / **ICED - Inductively Coupled Energy Dissipater for Future High Field Accelerator Magnets**. Julkaisussa: IEEE Transactions on Applied Superconductivity. 2018 ; Vuosikerta 28, Nro 8.

Casula, Riccardo ; Penttinen, Jussi-Pekka ; Guina, Mircea ; Kemp, Alan J. ; Hastie, Jennifer E. / **Cascaded crystalline raman lasers for extended wavelength coverage : Continuous-wave, third-stokes operation.** Julkaisussa: Optica. 2018 ; Vuosikerta 5, Nro 11. Sivut 1406-1413.

Gunes, M. ; Ukelge, M. O. ; Donmez, O. ; Erol, A. ; Gumus, C. ; Alghamdi, H. ; Galeti, H. V.A. ; Henini, M. ; Schmidbauer, M. ; Hilska, J. ; Puustinen, J. ; Guina, M. / **Optical properties of GaAs_{1-x}Bi_x/GaAs quantum well structures grown by molecular beam epitaxy on (100) and (311)B GaAs substrates.** Julkaisussa: Semiconductor Science and Technology. 2018 ; Vuosikerta 33, Nro 12.

Nair, Devi Geetha ; Rasilo, Paavo ; Arkkio, Antero. / **Sensitivity Analysis of Inverse Thermal Modeling to Determine Power Losses in Electrical Machines.** Julkaisussa: IEEE Transactions on Magnetics. 2018 ; Vuosikerta 54, Nro 11.

Saeidi, Shayan ; Rasekh, Payman ; Awan, Kashif M. ; Tüğen, Alperen ; Huttunen, Mikko J. ; Dolgaleva, Ksenia. / **Demonstration of optical nonlinearity in InGaAsP/InP passive waveguides.** Julkaisussa: Optical Materials. 2018 ; Vuosikerta 84. Sivut 524-530.

Aho, Arto ; Isoaho, Riku ; Tukiainen, Antti ; Gori, Gabriele ; Campesato, Roberta ; Guina, Mircea. / **Dilute nitride triple junction solar cells for space applications : Progress towards highest AMO efficiency.** Julkaisussa: Progress in Photovoltaics: Research and Applications. 2018 ; Vuosikerta 26, Nro 19. Sivut 740-744.

Cemlyn, Ben ; Adams, Mike ; Harbord, Edmund ; Li, Nianqiang ; Henning, Ian D. ; Oulton, Ruth ; Korpijärvi, Ville Markus ; Guina, Mircea. / **Near-threshold high spin amplification in a 1300 nm GaInNAs spin laser.** Julkaisussa: Semiconductor Science and Technology. 2018 ; Vuosikerta 33, Nro 9.

Mosallaei, Mahmoud ; Jokinen, Jarno ; Honkanen, Mari ; Iso-Ketola, Pekka ; Vippola, Minnamari ; Vanhala, Jukka ; Kanerva, Mikko ; Mantysalo, Matti. / **Geometry Analysis in Screen-Printed Stretchable Interconnects.** Julkaisussa: IEEE Transactions on Components, Packaging and Manufacturing Technology. 2018 ; Vuosikerta 8, Nro 8. Sivut 1344-1352.

Prando, G. A. ; Orsi Gordo, V. ; Puustinen, J. ; Hilska, J. ; Alghamdi, H. M. ; Som, G. ; Gunes, M. ; Akyol, M. ; Souto, S. ; Rodrigues, A. D. ; Galeti, H. V.A. ; Henini, M. ; Gobato, Y. Galvão ; Guina, M. / **Exciton localization and structural disorder of GaAs_{1-x}Bi_x/GaAs quantum wells grown by molecular beam epitaxy on (311)B GaAs substrates.** Julkaisussa: Semiconductor Science and Technology. 2018 ; Vuosikerta 33, Nro 8.

Kulju, S. ; Riegger, L. ; Koltay, P. ; Mattila, K. ; Hyväluoma, J. / **Fluid flow simulations meet high-speed video : Computer vision comparison of droplet dynamics.** Julkaisussa: Journal of Colloid and Interface Science. 2018 ; Vuosikerta 522. Sivut 48-56.

Zhao, Junjie ; Prioli, Marco ; Stenvall, Antti ; Salmi, Tiina ; Gao, Yuanwen ; Caiffi, Barbara ; Lorin, Clement ; Marinozzi, Vittorio ; Farinon, Stefania ; Sorbi, Massimo. / **Mechanical stress analysis during a quench in CLIQ protected 16 T dipole magnets designed for the future circular collider.** Julkaisussa: Physica C: Superconductivity and its Applications. 2018 ; Vuosikerta 550. Sivut 27-34.

Mikkonen, Riikka ; Mäntysalo, Matti. / **Evaluation of screen printed silver trace performance and long-term reliability against environmental stress on a low surface energy substrate.** Julkaisussa: Microelectronics Reliability. 2018 ; Vuosikerta 86. Sivut 54-65.

Kaunisto, Kimmo ; Kotilainen, Minna ; Karhu, Marjaana ; Lagerbom, Juha ; Vuorinen, Tommi ; Honkanen, Mari ; Vippola, Minnamari ; Turunen, Erja. / **The effect of carbon and nickel additions on the precursor synthesis of Cr₃C₂-Ni nanopowder.** Julkaisussa: Ceramics International. 2018 ; Vuosikerta 44, Nro 8. Sivut 9338-9346.

Todesco, Ezio ; Annarella, M. ; Ambrosio, Giorgio ; Apollinari, Giorgio ; Ballarino, Amalia ; Bajas, H. ; Bajko, Marta ; Bordini, Bernardo ; Bossert, R. ; Bottura, Luca ; Cavanna, E. ; Cheng, D. ; Chlachidze, G. ; De Rijk, Gijs ; Dimarco, J. ; Ferracin, Paolo ; Fleiter, Jerome ; Guinchard, M. ; Hafalia, A. ; Holik, E. ; Izquierdo Bermudez, S. ; Lackner, F. ; Marchevsky, M. ; Loeffler, C. ; Nobrega, A. ; Perez, Juan Carlos ; Prestemon, Soren ; Ravaioli, E. ; Rossi, Lucio ; Sabbi, Gianluca ; Salmi, T. ; Savary, Frederic ; Schmalzle, J. ; Stoynev, S. ; Strauss, T. ; Tartaglia, M. ; Vallone, Giorgio ; Velez,

Gueorgui ; Wanderer, Peter ; Wang, X. ; Willering, Gerard ; Yu, M. / **Progress on HL-LHC Nb₃Sn Magnets**. Julkaisussa: IEEE Transactions on Applied Superconductivity. 2018 ; Vuosikerta 28, Nro 4.

Goyos-Ball, Lidia ; Prado, Catuxa ; Díaz, Raquel ; Fernández, Elisa ; Ismailov, Arnold ; Kumpulainen, Tero ; Levänen, Erkki ; Torrecillas, Ramón ; Fernández, Adolfo. / **The effects of laser patterning 10CeTZP-Al₂O₃ nanocomposite disc surfaces : Osseous differentiation and cellular arrangement in vitro**. Julkaisussa: Ceramics International. 2018 ; Vuosikerta 44, Nro 8. Sivut 9472-9478.

van Nugteren, Jeroen ; Kirby, Glyn ; Murtomaki, Jaakko ; DeRijk, Gijs ; Rossi, Lucio ; Stenvall, Antti. / **Towards REBCO 20T+ Dipoles for Accelerators**. Julkaisussa: IEEE Transactions on Applied Superconductivity. 2018 ; Vuosikerta 28, Nro 4.

Ojha, N. ; Laihininen, T. ; Salminen, T. ; Lastusaari, M. ; Petit, L. / **Influence of the phosphate glass melt on the corrosion of functional particles occurring during the preparation of glass-ceramics**. Julkaisussa: Ceramics International. 2018 ; Vuosikerta 44, Nro 10. Sivut 11807-11811.

Murtomäki, Jaakko Samuel ; Kouhia, Reijo ; Stenvall, Antti ; Bottura, Luca ; Kirby, Glyn ; van Nugteren, Jeroen ; DeRijk, Gijs ; Rossi, Lucio. / **Investigation of REBCO Roebel Cable Irreversible Critical Current Degradation Under Transverse Pressure**. Julkaisussa: IEEE Transactions on Applied Superconductivity. 2018 ; Vuosikerta 28, Nro 4.

Rasappa, Sozaraj ; Schulte, Lars ; Borah, Dipu ; Hulkkonen, Hanna ; Ndoni, Sokol ; Salminen, Turka ; Sentharamaikanan, Ramsankar ; Morris, Michael A. ; Niemi, Tapio. / **Morphology evolution of PS-b-PDMS block copolymer and its hierarchical directed self-assembly on block copolymer templates**. Julkaisussa: Microelectronic Engineering. 2018 ; Vuosikerta 192. Sivut 1-7.

Sarcan, F. ; Mutlu, S. ; Cokduygular, E. ; Donmez, O. ; Erol, A. ; Puustinen, J. ; Guina, M. / **A study of electric transport in n- and p-type modulation-doped GaInNAs/GaAs quantum well structures under a high electric field**. Julkaisussa: Semiconductor Science and Technology. 2018 ; Vuosikerta 33, Nro 6.

Magarkar, Aniket ; Parkkila, Petteri ; Viitala, Tapani ; Lajunen, Tatu ; Mobarak, Edouard ; Licari, Giuseppe ; Cramariuc, Oana ; Vauthey, Eric ; Róg, Tomasz ; Bunker, Alex. / **Membrane bound COMT isoform is an interfacial enzyme : General mechanism and new drug design paradigm**. Julkaisussa: Chemical Communications. 2018 ; Vuosikerta 54, Nro 28. Sivut 3440-3443.

Ruuskanen, Janne ; Stenvall, Antti ; Van Nugteren, Jeroen ; Lahtinen, Valtteri. / **Optimization of an E3SPreSSO Energy-Extraction System for High-Field Superconducting Magnets**. Julkaisussa: IEEE Transactions on Applied Superconductivity. 2018 ; Vuosikerta 28, Nro 3.

Habib, Mohsin ; Rashed, Alireza Rahimi ; Ozbay, Ekmel ; Caglayan, Humejra. / **Graphene-based tunable plasmon induced transparency in gold strips**. Julkaisussa: Optical Materials Express. 2018 ; Vuosikerta 8, Nro 4. Sivut 1069-1074.

Rossi, Lucio ; Badel, Arnaud ; Bajas, Hugues ; Bajko, Marta ; Ballarino, Amalia ; Barth, Christian ; Betz, Ulrich ; Bottura, Luca ; Broggi, Francesco ; Chiuchiolo, Antonella ; Dhalle, Marc ; Durante, Maria ; Fazilleau, Philippe ; Fleiter, J. ; Gao, Peng ; Goldacker, Wilfried ; Kario, Anna ; Kirby, Glyn ; Lorin, Clement ; Murtomaeki, Jaakko Samuel ; van Nugteren, Jeroen ; Petrone, Carlo ; DeRijk, Gijs ; Senatore, Carmine ; Statera, Marco ; Stenvall, Antti ; Tixador, Pascal ; Yang, Yifeng ; Usoskin, Alexander ; Zangenberg, Nikolaj. / **The EuCARD2 Future Magnets Program for particle accelerator high field dipoles : review of results and next steps**. Julkaisussa: IEEE Transactions on Applied Superconductivity. 2018 ; Vuosikerta 28, Nro 3.

Alekseev, Alexander ; Ihalainen, Petri ; Ivanov, Artem ; Domnin, Ivan ; Rosqvist, Emil ; Lemmetyinen, Helge ; Vuorimaa-Laukkanen, Elina ; Peltonen, Jouko ; Vyaz'min, Sergey. / **Stable blue phase polymeric Langmuir-Schaefer films based on unsymmetrical hydroxyalkadiynyl N-arylcarbamate derivatives**. Julkaisussa: Thin Solid Films. 2018 ; Vuosikerta 645. Sivut 108-118.

Poutala, Arto ; Kovanen, Tuomas ; Kettunen, Lauri. / **Essential Measurements for Finite Element Simulations of Magnetostrictive Materials**. Julkaisussa: IEEE Transactions on Magnetics. 2018 ; Vuosikerta 54, Nro 1.

Virtanen, Heikki ; Uusitalo, Topi ; Karjalainen, Maija ; Ranta, Sanna ; Viheriala, Jukka ; Dumitrescu, Mihail. / **Narrow-linewidth 780 nm DFB lasers fabricated using nanoimprint lithography**. Julkaisussa: IEEE Photonics Technology Letters. 2018 ; Vuosikerta 30, Nro 1. Sivut 51-54.

Wani, Owies M. ; Zeng, Hao ; Wasylczyk, Piotr ; Priimagi, Arri. / **Programming Photoresponse in Liquid Crystal Polymer Actuators with Laser Projector**. Julkaisussa: Advanced Optical Materials. 2018 ; Vuosikerta 6, Nro 1.

Glorieux, Benoit ; Salminen, Turkka ; Massera, Jonathan ; Lastusaari, Mika ; Petit, Laetitia. / **Better understanding of the role of SiO₂, P₂O₅ and Al₂O₃ on the spectroscopic properties of Yb³⁺ doped silica sol-gel glasses**. Julkaisussa: Journal of Non-Crystalline Solids. 2018 ; Vuosikerta 482. Sivut 46-51.

Cappelluti, F. ; Kim, D. ; van Eerden, M. ; Cédola, A. P. ; Aho, T. ; Bissels, G. ; Elsehrawy, F. ; Wu, J. ; Liu, H. ; Mulder, P. ; Bauhuis, G. ; Schermer, J. ; Niemi, T. ; Guina, M. / **Light-trapping enhanced thin-film III-V quantum dot solar cells fabricated by epitaxial lift-off**. Julkaisussa: Solar Energy Materials and Solar Cells. 2018 ; Vuosikerta 181. Sivut 83-92.

Toral, Fernando ; Munilla, Javier ; Salmi, Tiina. / **Magnetic and mechanical design of a 16 T common coil dipole for FCC**. Julkaisussa: IEEE Transactions on Applied Superconductivity. 2018 ; Vuosikerta 28, Nro 3.

Lorin, Clement ; Simon, Damien ; Felice, Helene ; Rifflet, Jean Michel ; Salmi, Tiina ; Schoerling, Daniel. / **Design of a Nb₃Sn 400 T/m quadrupole for the Future Circular Collider**. Julkaisussa: IEEE Transactions on Applied Superconductivity. 2018 ; Vuosikerta 28, Nro 3.

Stenvall, Antti ; Lahtinen, Valtteri. / **Open Material Property Library With Native Simulation Tool Integrations - MASTO**. Julkaisussa: IEEE Transactions on Applied Superconductivity. 2018.

Murtomaeki, Jaakko Samuel ; Kirby, Glyn ; van Nugteren, Jeroen ; Contat, Pierre Antoine ; Fleiter, Jerome ; De Frutos, Oscar Sacristan ; Pincot, Francois Olivier ; DeRijk, Gijs ; Rossi, Lucio ; Ruuskanen, Janne ; Stenvall, Antti ; Wolf, Felix. / **10 kA Joints for HTS Roebel Cables**. Julkaisussa: IEEE Transactions on Applied Superconductivity. 2018 ; Vuosikerta 28, Nro 3.

Nikkinen, Jari ; Savitski, Vasili ; Reilly, Sean ; Dziechciarzyk, Lukasz ; Härkönen, Antti ; Kemp, Alan ; Guina, Mircea. / **Sub-100 ps monolithic diamond Raman laser emitting at 573 nm**. Julkaisussa: IEEE Photonics Technology Letters. 2018 ; Vuosikerta 30, Nro 11. Sivut 981-984.

Ryczkowski, P. ; Närhi, M. ; Billet, C. ; Merolla, J. M. ; Genty, G. ; Dudley, J. M. / **Real-time full-field characterization of transient dissipative soliton dynamics in a mode-locked laser**. Julkaisussa: Nature Photonics. 2018 ; Vuosikerta 12. Sivut 221-227.

Durandin, Nikita A. ; Isokuortti, Jussi ; Efimov, Alexander ; Vuorimaa-Laukkanen, Elina ; Tkachenko, Nikolai V. ; Laaksonen, Timo. / **Efficient photon upconversion at remarkably low annihilator concentrations in a liquid polymer matrix: when less is more**. Julkaisussa: Chemical Communications. 2018 ; Vuosikerta 54, Nro 99. Sivut 14029-14032.

Assanto, Gaetano ; Perumbilavil, Sreekanth ; Piccardi, Armando ; Kauranen, Martti. / **Electro-optic steering of random laser emission in liquid crystals**. Julkaisussa: Photonics Letters of Poland. 2018 ; Vuosikerta 10, Nro 4. Sivut 103-105.

Ropo, M. ; Akola, J. ; Jones, R. O. / **Crystallization of supercooled liquid antimony : A density functional study**. Julkaisussa: Physical Review B. 2017 ; Vuosikerta 96, Nro 18.

Bhaviatha, K. B. ; Nair, Anju K. ; Perumbilavil, Sreekanth ; Joseph, Saju ; Kala, M. S. ; Saha, Abhijit ; Narayanan, R. Aravinda ; Hameed, Nishar ; Thomas, Sabu ; Oluwafemi, Oluwatobi S. ; Kalarikkal, Nandakumar. / **Investigating solvent effects on aggregation behaviour, linear and nonlinear optical properties of silver nanoclusters**. Julkaisussa: Optical Materials. 2017 ; Vuosikerta 73. Sivut 695-705.

Jisha, Chandroth P. ; Alberucci, Alessandro. / **Paraxial light beams in structured anisotropic media**. Julkaisussa: Journal of the Optical Society of America A: Optics and Image Science, and Vision. 2017 ; Vuosikerta 34, Nro 11. Sivut 2019-2024.

Nikkinen, Jari ; Härkönen, Antti ; Leino, Iiro ; Guina, Mircea. / **Generation of Sub-100 ps Pulses at 532, 355, and 266 nm Using a SESAM Q-Switched Microchip Laser**. Julkaisussa: IEEE Photonics Technology Letters. 2017 ; Vuosikerta 29, Nro 21. Sivut 1816-1819.

Välimäki, Hannu ; Verho, Jarmo ; Kreutzer, Joose ; Kattiparambil Rajan, Dhanesh ; Ryyänen, Tomi ; Pekkanen-Mattila, Mari ; Ahola, Antti ; Tappura, Kirsi ; Kallio, Pasi ; Leikkala, Jukka. / **Fluorimetric oxygen sensor with an efficient optical read-out for in vitro cell models**. Julkaisussa: Sensors and Actuators B: Chemical. 2017 ; Vuosikerta 249. Sivut 738-746.

Heinonen, Saara ; Nikkanen, Juha-Pekka ; Huttunen-Saarivirta, Elina ; Levänen, Erkki. / **Investigation of long-term chemical stability of structured ZnO films in aqueous solutions of varying conditions**. Julkaisussa: Thin Solid Films. 2017 ; Vuosikerta 638. Sivut 410-419.

Laurila, M. M. ; Khorramdel, B. ; Dastpak, A. ; Mäntysalo, M. / **Statistical analysis of E-jet print parameter effects on Ag-nanoparticle ink droplet size**. Julkaisussa: Journal of Micromechanics and Microengineering. 2017 ; Vuosikerta 27, Nro 9.

Katkovnik, Vladimir ; Shevkunov, Igor ; Petrov, Nikolay V. ; Egiazarian, Karen. / **Computational super-resolution phase retrieval from multiple phase-coded diffraction patterns : Simulation study and experiments**. Julkaisussa: Optica. 2017 ; Vuosikerta 4, Nro 7. Sivut 786-794.

Kotilainen, Minna ; Krumpolec, Richard ; Franta, Daniel ; Souček, Pavel ; Homola, Tomáš ; Cameron, David C. ; Vuoristo, Petri. / **Hafnium oxide thin films as a barrier against copper diffusion in solar absorbers**. Julkaisussa: Solar Energy Materials and Solar Cells. 2017 ; Vuosikerta 166. Sivut 140-146.

Baek, Jinseok ; Umeyama, Tomokazu ; Stranius, Kati ; Yamada, Hiroki ; Tkachenko, Nikolai V. ; Imahori, Hiroshi. / **Long-Range Observation of Exciplex Formation and Decay Mediated by One-Dimensional Bridges**. Julkaisussa: Journal of Physical Chemistry C. 2017 ; Vuosikerta 121, Nro 25. Sivut 13952-13961.

Salmi, Tiina ; Prioli, Marco ; Stenvall, Antti ; Ruuskanen, Janne ; Verweij, Arjan P. ; Auchmann, Bernhard ; Marinozzi, Vittorio. / **Suitability of Different Quench Protection Methods for a 16 T Block-Type Nb₃Sn Accelerator Dipole Magnet**. Julkaisussa: IEEE Transactions on Applied Superconductivity. 2017 ; Vuosikerta 27, Nro 4.

Stoykova, Elena ; Berberova, Natalia ; Kim, Youngmin ; Nazarova, Dimana ; Ivanov, Branimir ; Gotchev, Atanas ; Hong, Jisoo ; Kang, Hoonjong. / **Dynamic speckle analysis with smoothed intensity-based activity maps**. Julkaisussa: Optics and Lasers in Engineering. 2017 ; Vuosikerta 93. Sivut 55-65.

Murtomaki, Jaakko S. ; Van Nugteren, Jeroen ; Kirby, Glyn ; Rossi, Lucio ; Ruuskanen, Janne ; Stenvall, Antti. / **Mechanical Effects of the Nonuniform Current Distribution on HTS Coils for Accelerators Wound With REBCO Roebel Cable**. Julkaisussa: IEEE Transactions on Applied Superconductivity. 2017 ; Vuosikerta 27, Nro 4.

Kirby, Glyn A. ; Van Nugteren, Jeroen ; Bajas, H. ; Benda, V. ; Ballarino, A. ; Bajko, M. ; Bottura, Luca ; Broekens, K. ; Canale, M. ; Chiuchiolo, A. ; Gentini, L. ; Peray, N. ; Perez, Juan Carlos ; De Rijk, Gijs ; Rijllart, Adriaan ; Rossi, Lucio ; Murtomaeki, J. ; Mazet, Jacky ; Pincot, Francois Olivier ; Volpini, Giovanni ; Durante, Maria ; Fazilleau, P. ; Lorin, Clement ; Stenvall, A. ; Goldacker, Wilfried ; Kario, Anna ; Usoskin, Alexander. / **First Cold Powering Test of REBCO Roebel Wound Coil for the EuCARD2 Future Magnet Development Project**. Julkaisussa: IEEE Transactions on Applied Superconductivity. 2017 ; Vuosikerta 27, Nro 4.

Putala, Jussi ; Niittynen, Juha ; Hannu, Jari ; Myllymäki, Sami ; Kunnari, Esa ; Mäntysalo, Matti ; Hagberg, Juha ; Jantunen, Heli. / **Capability assessment of inkjet printing for reliable RFID applications**. Julkaisussa: IEEE Transactions on Device and Materials Reliability. 2017 ; Vuosikerta 17, Nro 2. Sivut 281-290.

Marinozzi, Vittorio ; Bellomo, Giovanni ; Caiffi, Barbara ; Fabricatore, Pasquale ; Farinon, Stefania ; Salmi, Tiina ; Sorbi, Massimo ; Stenvall, Antti ; Volpini, Giovanni. / **Quench Protection Study of the Eurocircol 16 T $\cos\theta$ Dipole for the Future Circular Collider (FCC)**. Julkaisussa: IEEE Transactions on Applied Superconductivity. 2017 ; Vuosikerta 27, Nro 4.

Schoerling, Daniel ; Durante, Maria ; Lorin, Clement ; Martinez, Teresa ; Ruuskanen, Janne ; Salmi, Tiina ; Sorbi, Massimo ; Tommasini, Davide ; Toral, Fernando. / **Considerations on a Cost Model for High-Field Dipole Arc Magnets for FCC**. Julkaisussa: IEEE Transactions on Applied Superconductivity. 2017 ; Vuosikerta 27, Nro 4.

Tommasini, Davide ; Auchmann, B. ; Bajas, Hugues ; Bajko, Marta ; Ballarino, Amalia ; Bellomo, Giovanni ; Benedikt, Michael ; Bermudez, Susana Izquierdo ; Bordini, Bernardo ; Bottura, Luca ; Buzio, Marco ; Dhalle, Marc ; Durante, Maria ; De Rijk, Gijs ; Fabricatore, Pasquale ; Farinon, Stefania ; Ferracin, Paolo ; Gao, Peng ; Lackner, Friedrich ; Lorin, Clement ; Marinozzi, Vittorio ; Martinez, Teresa ; Munilla, J. ; Ogitsu, Toru ; Ortwein, Rafal ; Perez, Juan ; Prioli, M. ; Rifflet, Jean Michel ; Rochepault, Etienne ; Russenschuck, Stephan ; Salmi, Tiina ; Savary, Frederic ; Schoerling, Daniel ; Segreti, Michel ; Senatore, Carmine ; Sorbi, Massimo ; Stenvall, Antti ; Todesco, Ezio ; Toral, Fernando ; Verweij, Arjan P. ; Volpini, Giovanni ; Wessel, Sander ; Wolf, Felix. / **The 16 T Dipole Development Program for FCC**. Julkaisussa: IEEE Transactions on Applied Superconductivity. 2017 ; Vuosikerta 27, Nro 4.

Ma, Li ; Laasonen, Kari ; Akola, Jaakko. / **Catalytic Activity of AuCu Clusters on MgO(100) : Effect of Alloy Composition for CO Oxidation**. Julkaisussa: Journal of Physical Chemistry C. 2017 ; Vuosikerta 121, Nro 20. Sivut 10876-10886.

Goh, Jing-Qiang ; Akola, Jaakko ; Ferrando, Riccardo. / **Geometric Structure and Chemical Ordering of Large AuCu Clusters : A Computational Study**. Julkaisussa: Journal of Physical Chemistry C. 2017 ; Vuosikerta 121, Nro 20. Sivut 10809-10816.

Virkki, Kirsi ; Hakola, Hanna ; Urbani, Maxence ; Tejerina, Lara ; Ince, Mine ; Martínez-Díaz, M. Victoria ; Torres, Tomás ; Golovanova, Viktoria ; Golovanov, Viacheslav ; Tkachenko, Nikolai V. / **Photoinduced Electron Injection from Zinc Phthalocyanines into Zinc Oxide Nanorods : Aggregation Effects**. Julkaisussa: Journal of Physical Chemistry C. 2017 ; Vuosikerta 121, Nro 17. Sivut 9594-9605.

Saccone, Marco ; Siiskonen, Antti ; Fernandez-Palacio, Franisco ; Priimägi, Arri ; Terraneo, Giancarlo ; Resnati, Giuseppe ; Metrangolo, Pierangelo. / **Halogen bonding stabilizes a cis-azobenzene derivative in the solid state : A crystallographic study**. Julkaisussa: ACTA CRYSTALLOGRAPHICA SECTION B : STRUCTURAL SCIENCE, CRYSTAL ENGINEERING AND MATERIALS. 2017 ; Vuosikerta 73, Nro 2. Sivut 227-233.

Virtanen, Heikki ; Uusitalo, Topi ; Dumitrescu, Mihail. / **Simulation studies of DFB laser longitudinal structures for narrow linewidth emission**. Julkaisussa: Optical and Quantum Electronics. 2017 ; Vuosikerta 49, Nro 4.

Lopez-Iscosa, Pablo ; Petit, Laetitia ; Massera, Jonathan ; Janner, Davide ; Boetti, Nadia G. ; Pugliese, Diego ; Fiorilli, Sonia ; Novara, Chiara ; Giorgis, Fabrizio ; Milanese, Daniel. / **Effect of the addition of Al_2O_3 , TiO_2 and ZnO on the thermal, structural and luminescence properties of Er^{3+} -doped phosphate glasses**. Julkaisussa: Journal of Non-Crystalline Solids. 2017 ; Vuosikerta 460. Sivut 161-168.

Mashayekhi, Mohammad ; Winchester, Lee ; Laurila, Mika-Matti ; Mäntysalo, Matti ; Ogier, Simon ; Terés, Lluís ; Carrabina, Jordi. / **Chip-by-chip configurable interconnection using digital printing techniques**. Julkaisussa: Journal of Micromechanics and Microengineering. 2017 ; Vuosikerta 27, Nro 4.

Laurila, Mika-Matti ; Khorrarnadel, Behnam ; Mäntysalo, Matti. / **Combination of E-jet and inkjet printing for additive fabrication of multilayer high-density RDL of silicon interposer**. Julkaisussa: IEEE Transactions on Electron Devices. 2017 ; Vuosikerta 64, Nro 3. Sivut 1217-1224.

Pavelescu, E. M. ; Bălățeanu, N. ; Spânulescu, S. I. ; Arola, E. / **Very high dose electron irradiation effects on photoluminescence from GaInNAs/GaAs quantum wells grown by molecular beam epitaxy**. Julkaisussa: Optical Materials. 2017 ; Vuosikerta 64. Sivut 361-365.

Kovács, Péter Tamás ; Zare, Alireza ; Balogh, Tibor ; Bregovic, Robert ; Gotchev, Atanas. / **Architectures and codecs for real-time light field streaming**. Julkaisussa: Journal of Imaging Science and Technology. 2017 ; Vuosikerta 61, Nro 1.

Salpavaara, Timo ; Hänninen, Aleksii ; Antniemi, Anni ; Leikkala, Jukka ; Kellomäki, Minna. / **Non-destructive and wireless monitoring of biodegradable polymers**. Julkaisussa: Sensors and Actuators B: Chemical. 2017 ; Vuosikerta 251. Sivut 1018-1025.

Lampio, Kaj ; Karvinen, Reijo. / **Optimization of convectively cooled heat sinks**. Julkaisussa: Microelectronics Reliability. 2017 ; Vuosikerta 79. Sivut 473-479.

Kolesnik, Sergei ; Sitbon, Moshe ; Lineykin, Simon ; Batzelis, Efstratios ; Papanthassiou, Stavros ; Suntio, Teuvo ; Kuperman, Alon. / **Solar Irradiation Independent Expression for Photovoltaic Generator Maximum Power Line**. Julkaisussa: IEEE Journal of Photovoltaics. 2017 ; Vuosikerta 7, Nro 5. Sivut 1416-1420.

Zhao, Junjie ; Stenvall, Antti ; Salmi, Tiina ; Gao, Yuanwen ; Lorin, Clement. / **Mechanical behavior of a 16 T FCC dipole magnet during a quench**. Julkaisussa: IEEE Transactions on Applied Superconductivity. 2017 ; Vuosikerta 27, Nro 6.

Mojica, Edson ; Pertuz, Said ; Arguello, Henry. / **High-resolution coded-aperture design for compressive X-ray tomography using low resolution detectors**. Julkaisussa: Optics Communications. 2017 ; Vuosikerta 404. Sivut 103-109.

Laudyn, Urszula A. ; Kwaśny, Michał ; Karpierz, Mirosław A. ; Assanto, Gaetano. / **Three-color vector nematicon**. Julkaisussa: Photonics Letters of Poland. 2017 ; Vuosikerta 9, Nro 2. Sivut 36-38.

Javanainen, Matti ; Melcrová, Adéla ; Magarkar, Aniket ; Jurkiewicz, Piotr ; Hof, Martin ; Jungwirth, Pavel ; Martinez-Seara, Hector. / **Two cations, two mechanisms : Interactions of sodium and calcium with zwitterionic lipid membranes**. Julkaisussa: Chemical Communications. 2017 ; Vuosikerta 53, Nro 39. Sivut 5380-5383.

Khorramdel, Behnam ; Torkkeli, Altti ; Mäntysalo, Matti. / **Electrical Contacts in SOI MEMS Using Aerosol Jet Printing**. Julkaisussa: IEEE Journal of the Electron Devices Society. 2017 ; Vuosikerta 6. Sivut 34-40.

Baek, Jinseok ; Umeyama, Tomokazu ; Mizuno, Satoshi ; Tkachenko, Nikolai V. ; Imahori, Hiroshi. / **Photophysical properties of porphyrin dimer-single-walled carbon nanotube linked systems**. Julkaisussa: Journal of Physical Chemistry C. 2017 ; Vuosikerta 121, Nro 39.

Acar, Erman ; Peltonen, Sari ; Ruotsalainen, Ulla. / **Adaptive multiresolution method for MAP reconstruction in electron tomography**. Julkaisussa: Ultramicroscopy. 2016 ; Vuosikerta 170. Sivut 24-34.

Ärrälä, Minna ; Hafiz, Hasnain ; Mou, Daixiang ; Wu, Yun ; Jiang, Rui ; Riedemann, Trevor ; Lograsso, Thomas A. ; Barbiellini, Bernardo ; Kaminski, Adam ; Bansil, Arun ; Lindroos, Matti. / **Laser angle-resolved photoemission as a probe of initial state k_z dispersion, final-state band gaps, and spin texture of Dirac states in the Bi₂Te₃ topological insulator**. Julkaisussa: Physical Review B. 2016 ; Vuosikerta 94, Nro 15.

Kalikka, J. ; Akola, J. ; Jones, R. O. / **Crystallization processes in the phase change material Ge₂Sb₂Te₅ : Unbiased density functional/molecular dynamics simulations**. Julkaisussa: Physical Review B. 2016 ; Vuosikerta 94, Nro 13.

Myllymäki, Sami ; Putaala, Jussi ; Hannu, Jari ; Kunnari, Esa ; Mäntysalo, Matti. / **RF measurements to pinpoint defects in inkjet-printed, thermally and mechanically stressed coplanar waveguides**. Julkaisussa: Microelectronics Reliability. 2016 ; Vuosikerta 65. Sivut 142-150.

Heinonen, Saara ; Kannisto, Matti ; Nikkanen, Juha-Pekka ; Huttunen-Saarivirta, Elina ; Karp, Matti ; Levänen, Erkki. / **Photocatalytic and antibacterial properties of ZnO films with different surface topographies on stainless steel substrate**. Julkaisussa: Thin Solid Films. 2016 ; Vuosikerta 616. Sivut 842-849.

Kylänpää, I. ; Cavaliere, F. ; Ziani, N. Traverso ; Sasseti, M. ; Räsänen, E. / **Thermal effects on the Wigner localization and Friedel oscillations in many-electron nanowires.** Julkaisussa: Physical Review B. 2016 ; Vuosikerta 94, Nro 11.

Akbari, M. ; Virkki, J. ; Sydänheimo, L. ; Ukkonen, L. / **Toward Graphene-Based Passive UHF RFID Textile Tags : A Reliability Study.** Julkaisussa: IEEE Transactions on Device and Materials Reliability. 2016 ; Vuosikerta 16, Nro 3. Sivut 429-431.

Räsänen, Ville ; Suuriniemi, Saku ; Kettunen, Lauri. / **Generalized slip transformations and air-gap harmonics in field models of electrical machines.** Julkaisussa: IEEE Transactions on Magnetics. 2016 ; Vuosikerta 52, Nro 9.

Alekseev, Alexander ; Ihalainen, Petri ; Ivanov, Artem ; Domnin, Ivan ; Klechkovskaya, Vera ; Orekhov, Anton ; Lemmetyinen, Helge ; Vuorimaa-Laukkanen, Elina ; Peltonen, Jouko ; Vyaz'min, Sergey. / **The red, purple and blue modifications of polymeric unsymmetrical hydroxyalkadiynyl-N-arylcarbamate derivatives in Langmuir-Schaefer films.** Julkaisussa: Thin Solid Films. 2016 ; Vuosikerta 612. Sivut 463-471.

Cui, S. ; Massera, J. ; Lastusaari, M. ; Hupa, L. ; Petit, L. / **Novel oxyfluorophosphate glasses and glass-ceramics.** Julkaisussa: Journal of Non-Crystalline Solids. 2016 ; Vuosikerta 445-446. Sivut 40-44.

Trujillo-Sevilla, J. M. ; Katkovnik, Vladimir ; Javidi, Bahram ; Rodríguez-Ramos, J. M. / **Restoring Integral Images from Focal Stacks Using Compressed Sensing Techniques.** Julkaisussa: Journal of Display Technology. 2016 ; Vuosikerta 12, Nro 7. Sivut 701-706.

Piccardi, Armando ; Residori, Stefania ; Assanto, Gaetano. / **Nonlocal soliton scattering in random potentials.** Julkaisussa: Journal of Optics. 2016 ; Vuosikerta 18, Nro 7.

Salmi, T. ; Stenvall, A. / **The Impact of Protection Heater Delays Distribution on the Hotspot Temperature in a High-Field Accelerator Magnet.** Julkaisussa: IEEE Transactions on Applied Superconductivity. 2016 ; Vuosikerta 26, Nro 4.

Marinozzi, Vittorio ; Ambrosio, Giorgio ; Ferracin, Paolo ; Izquierdo Bermudez, Susana ; Rysti, Juho ; Salmi, Tiina ; Sorbi, Massimo ; Todesco, Ezio. / **Quench Protection Study of the Updated MQXF for the LHC Luminosity Upgrade (HiLumi LHC).** Julkaisussa: IEEE Transactions on Applied Superconductivity. 2016 ; Vuosikerta 26, Nro 4.

Ferracin, P. ; Ambrosio, G. ; Anerella, M. ; Ballarino, A. ; Bajas, H. ; Bajko, M. ; Bordini, B. ; Bossert, R. ; Cheng, D. W. ; Dietderich, D. R. ; 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, J. C. ; 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. / **Development of MQXF : The Nb₃Sn Low-β Quadrupole for the HiLumi LHC.** Julkaisussa: IEEE Transactions on Applied Superconductivity. 2016 ; Vuosikerta 26, Nro 4.

Marchevsky, M. ; Turqueti, M. ; Cheng, D. W. ; Felice, H. ; Sabbi, G. ; Salmi, T. ; Stenvall, A. ; Chlachidze, G. ; Ambrosio, G. ; Ferracin, P. ; Izquierdo Bermudez, S. ; Perez, J. C. ; Todesco, E. / **Protection Heater Design Validation for the LARP Magnets Using Thermal Imaging.** Julkaisussa: IEEE Transactions on Applied Superconductivity. 2016 ; Vuosikerta 26, Nro 4.

Akhmediev, Nail ; Kibler, Bertrand ; Baronio, Fabio ; Belić, Milivoj ; Zhong, Wei Ping ; Zhang, Yiqi ; Chang, Wonkeun ; Soto-Crespo, Jose M. ; Vouzas, Peter ; Grelu, Philippe ; Lecaplain, Caroline ; Hammani, K. ; Rica, S. ; Picozzi, A. ; Tlidi, Mustapha ; Panajotov, Krassimir ; Mussot, Arnaud ; Bendahmane, Abdelkrim ; Szriftgiser, Pascal ; Genty, Goery ; Dudley, John ; Kudlinski, Alexandre ; Demircan, Ayhan ; Morgner, Uwe ; Amiranashvili, Shalva ; Bree, Carsten ; Steinmeyer, Günter ; Masoller, C. ; Broderick, Neil G R ; Runge, Antoine F J ; Erkintalo, Miro ; Residori, S. ; Bortolozzo, U. ; Arecchi, F. T. ; Wabnitz, Stefan ; Tiofack, C. G. ; Coulibaly, S. ; Taki, M. / **Roadmap on optical rogue waves and extreme events.** Julkaisussa: Journal of Optics. 2016 ; Vuosikerta 18, Nro 6.

Sharma, Ramakant ; Bhalerao, Sagar ; Gupta, Dipti. / **Effect of incorporation of CdS NPs on performance of PTB7 : PCBM organic solar cells.** Julkaisussa: Organic Electronics: physics, materials, applications. 2016 ; Vuosikerta 33. Sivut 274-280.

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, A. R. ; 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. / **Test Results of the LARP Nb₃Sn Quadrupole HQ03a.** Julkaisussa: IEEE Transactions on Applied Superconductivity. 2016 ; Vuosikerta 26, Nro 4.

Kulju, S. ; Akola, J. ; Prendergast, D. ; Jones, R. O. / **Tuning electronic properties of graphene heterostructures by amorphous-to-crystalline phase transitions.** Julkaisussa: Physical Review B. 2016 ; Vuosikerta 93, Nro 19.

Polojärvi, Ville ; Aho, Arto ; Tukiainen, Antti ; Raappana, Marianna ; Aho, Timo ; Schramm, Andreas ; Guina, Mircea. / **Influence of As/group-III flux ratio on defects formation and photovoltaic performance of GaInNAs solar cells.** Julkaisussa: Solar Energy Materials and Solar Cells. 2016 ; Vuosikerta 149. Sivut 213-220.

Izdebskaya, Yana ; Krolkowski, Wieslaw ; Smyth, Noel F. ; Assanto, Gaetano. / **Vortex stabilization by means of spatial solitons in nonlocal media.** Julkaisussa: Journal of Optics. 2016 ; Vuosikerta 18, Nro 5.

Hakola, Hanna ; Sariola-Leikas, Essi ; Efimov, Alexander ; Tkachenko, Nikolai V. / **Effect of Hole Transporting Material on Charge Transfer Processes in Zinc Phthalocyanine Sensitized ZnO Nanorods.** Julkaisussa: Journal of Physical Chemistry C. 2016 ; Vuosikerta 120, Nro 13. Sivut 7044-7051.

Soltani, I. ; Hraiech, S. ; Horchani-Naifer, K. ; Massera, J. ; Petit, L. ; Férid, M. / **Thermal, structural and optical properties of Er³⁺ doped phosphate glasses containing silver nanoparticles.** Julkaisussa: Journal of Non-Crystalline Solids. 2016 ; Vuosikerta 438. Sivut 67-73.

Heydari, Golrokh ; Sedighi Moghaddam, Maziar ; Tuominen, Mikko ; Fielden, Matthew ; Haapanen, Janne ; Mäkelä, Jyrki M. ; Claesson, Per M. / **Wetting hysteresis induced by temperature changes : Supercooled water on hydrophobic surfaces .** Julkaisussa: Journal of Colloid and Interface Science. 2016 ; Vuosikerta 468. Sivut 21-33.

Escamez, Guillaume ; Sirois, Frédéric ; Lahtinen, Valtteri ; Stenvall, Antti ; Badel, Arnaud ; Tixador, Pascal ; Ramdane, Brahim ; Meunier, Gérard ; Perrin-Bit, Rémy ; Bruzek, Christian Éric. / **3-D Numerical Modeling of AC Losses in Multifilamentary MgB₂ Wires.** Julkaisussa: IEEE Transactions on Applied Superconductivity. 2016 ; Vuosikerta 26, Nro 3.

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. / **Status of the Demonstrator Magnets for the EuCARD-2 Future Magnets Project.** Julkaisussa: IEEE Transactions on Applied Superconductivity. 2016 ; Vuosikerta 26, Nro 3.

Rajala, S. ; Mettänen, M. ; Tuukkanen, S. / **Structural and Electrical Characterization of Solution-Processed Electrodes for Piezoelectric Polymer Film Sensors.** Julkaisussa: IEEE Sensors Journal. 2016 ; Vuosikerta 16, Nro 6. Sivut 1692-1699.

Mashayekhi, Mohammad ; Winchester, Lee ; Evans, Louise ; Pease, Tim ; Laurila, Mika-Matti ; Mäntysalo, Matti ; Ogier, Simon ; Teres, Lluís ; Carrabina, Jordi. / **Evaluation of Aerosol, Superfine Inkjet, and Photolithography Printing Techniques for Metallization of Application Specific Printed Electronic Circuits.** Julkaisussa: IEEE Transactions on Electron Devices. 2016 ; Vuosikerta 63, Nro 3. Sivut 1246-1253.

Selvan, N. Tamil ; Eshwaran, S. B. ; Das, A. ; Stöckelhuber, K. W. ; Wießner, S. ; Pötschke, P. ; Nando, G. B. ; Chervanyov, A. I. ; Heinrich, G. / **Piezoresistive natural rubber-multiwall carbon nanotube nanocomposite for sensor applications.** Julkaisussa: Sensors and Actuators, A: Physical. 2016 ; Vuosikerta 239. Sivut 102-113.

Ali-Löytty, Harri ; Louie, Mary W. ; Singh, Meenesh R. ; Li, Lin ; Sanchez Casalongue, Hernan G. ; Ogasawara, Hirohito ; Crumlin, Ethan J. ; Liu, Zhi ; Bell, Alexis T. ; Nilsson, Anders ; Friebel, Daniel. / **Ambient-Pressure XPS Study of a Ni-Fe Electrocatalyst for the Oxygen Evolution Reaction.** Julkaisussa: Journal of Physical Chemistry C. 2016 ; Vuosikerta 120,

Nro 4. Sivut 2247-2253.

Pavelescu, Emil-Mihai ; Polojärvi, Ville ; Schramm, Andreas ; Tukiainen, Antti ; Aho, Arto ; Zhang, Wenxin ; Puustinen, Janne ; Salmi, Joel ; Guina, Mircea. / **Effects of insertion of strain-engineering Ga(In)NAs layers on optical properties of InAs/GaAs quantum dots for high-efficiency solar cells.** Julkaisussa: Optical Materials. 2016 ; Vuosikerta 52. Sivut 177-180.

Ryczkowski, Piotr ; Barbier, Margaux ; Friberg, Ari T. ; Dudley, John M. ; Genty, Goëry. / **Ghost imaging in the time domain.** Julkaisussa: Nature Photonics. 2016 ; Nro 10. Sivut 167-170.

Massera, J. ; Gaussiran, M. ; Głuchowski, P. ; Lastusaari, M. ; Petit, L. ; Hölsä, J. ; Hupa, L. / **Effect of the glass melting condition on the processing of phosphate-based glass-ceramics with persistent luminescence properties.** Julkaisussa: Optical Materials. 2016 ; Vuosikerta 52. Sivut 56-61.

Kotilainen, M. ; Honkanen, M. ; Mizohata, K. ; Vuoristo, P. / **Influence of temperature-induced copper diffusion on degradation of selective chromium oxy-nitride solar absorber coatings.** Julkaisussa: Solar Energy Materials and Solar Cells. 2016 ; Vuosikerta 145. Sivut 323-332.

Hupa, Leena ; Fagerlund, Susanne ; Massera, Jonathan ; Björkvik, Leena. / **Dissolution behavior of the bioactive glass S53P4 when sodium is replaced by potassium, and calcium with magnesium or strontium.** Julkaisussa: Journal of Non-Crystalline Solids. 2016 ; Sivut 41-46.

Pajukoski, H. ; Näkki, J. ; Thieme, S. ; Tuominen, J. ; Nowotny, S. ; Vuoristo, P. / **High performance corrosion resistant coatings by novel coaxial cold- and hot-wire laser cladding methods.** Julkaisussa: Journal of Laser Applications. 2016 ; Vuosikerta 28, Nro 1.

Laudyn, Urszula A. ; Kwaśny, Michał ; Jung, Paweł S. ; Trippenbach, Marek ; Assanto, Gaetano ; Karpierz, Mirosław A. / **Linear and nonlinear light beam propagation in chiral nematic liquid crystal waveguides.** Julkaisussa: Photonics Letters of Poland. 2016 ; Vuosikerta 8, Nro 1. Sivut 11-13.

Okun, Oleksandr ; Kravchenko, Yurii ; Korpinen, Leena. / **Influence of environmental conditions on EMF levels in a span of overhead transmission lines.** Julkaisussa: Progress in Electromagnetics Research C. 2016 ; Vuosikerta 63. Sivut 163-171.

Pirkkalainen, Herkko ; Elovaara, Jarmo ; Korpinen, Leena. / **Decreasing the extremely low-frequency electric field exposure with a Faraday cage during work tasks from a man hoist at a 400 kV substation.** Julkaisussa: Progress In Electromagnetics Research M. 2016 ; Vuosikerta 48. Sivut 55-66.

Sakho, El Hadji Mamour ; Oluwafemi, Oluwatobi S. ; Perumbilavil, Sreekanth ; Philip, Reji ; Kala, M. S. ; Thomas, Sabu ; Kalarikkal, Nandakumar. / **Rapid and facile synthesis of graphene oxide quantum dots with good linear and nonlinear optical properties.** Julkaisussa: Journal of Materials Science: Materials in Electronics. 2016 ; Vuosikerta 27, Nro 10. Sivut 10926–10933.

Bansod, Naresh D. ; Kapgate, Bharat P. ; Das, Chayan ; Das, Amit ; Basu, Debdipta ; Debnath, Subhas Chandra. / **Compatibilization of natural rubber/nitrile rubber blends by sol-gel nano-silica generated by in situ method.** Julkaisussa: JOURNAL OF SOL-GEL SCIENCE AND TECHNOLOGY. 2016 ; Vuosikerta 80, Nro 2. Sivut 548–559.

Auer, Sanna ; Koho, Tiia ; Uusi-Kerttula, Hanni ; Vesikari, Timo ; Blazevic, Vesna ; Hytönen, Vesa P. / **Rapid and sensitive detection of norovirus antibodies in human serum with a bilayer interferometry biosensor.** Julkaisussa: Sensors and Actuators B: Chemical. 2015 ; Vuosikerta 221. Sivut 507-514.

Gadelovits, Shlomo ; Sitbon, Moshe ; Suntio, Teuvo ; Kuperman, Alon. / **Single-source multibattery solar charger : Case study and implementation issues.** Julkaisussa: Progress in Photovoltaics: Research and Applications. 2015 ; Vuosikerta 23, Nro 12. Sivut 1916-1928.

Wang, Dapeng ; Wang, Zuobin ; Yue, Yong ; Yu, Juncai ; Tan, Chunlei ; Li, Dayou ; Qiu, Renxi ; Maple, Carsten. / **Determination of beam incidence conditions based on the analysis of laser interference patterns.** Julkaisussa: Optik. 2015 ; Vuosikerta 126, Nro 21. Sivut 2902-2907.

Kuzmin, M. ; Laukkanen, P. ; Yasir, M. ; Mäkelä, J. ; Tuominen, M. ; Dahl, J. ; Punkkinen, M. P. J. ; Kokko, K. ; Hedman, H. P. ; Moon, J. ; Punkkinen, R. ; Polojärvi, V. ; Korpijärvi, V. M. ; Guina, M. / **Observation of unusual metal-semiconductor interaction and metal-induced gap states at an oxide-semiconductor interface : The case of epitaxial BaO/Ge(100) junction** . Julkaisussa: Physical Review B. 2015 ; Vuosikerta 92, Nro 16.

Tamminen, Pasi ; Viheriäkoski, Toni ; Sydänheimo, Lauri ; Ukkonen, Leena. / **ESD qualification data used as the basis for building electrostatic discharge protected areas.** Julkaisussa: Journal of Electrostatics. 2015 ; Vuosikerta 77. Sivut 174-181.

Pyattaev, Alexander ; Hosek, Jiri ; Johnsson, Kerstin ; Krkos, Radko ; Gerasimenko, Mikhail ; Masek, Pavel ; Ometov, Aleksandr ; Andreev, Sergey ; Sedy, Jakub ; Novotny, Vit ; Koucheryavy, Yevgeni. / **3GPP LTE-assisted Wi-Fi-direct : Trial implementation of live D2D technology.** Julkaisussa: ETRI Journal. 2015 ; Vuosikerta 37, Nro 5. Sivut 877-887.

Bhagavatheswaran, Eshwaran Subramani ; Parsekar, Meenali ; Das, Amit ; Le, Hai Hong ; Wiessner, Sven ; Stöckelhuber, Klaus Werner ; Schmaucks, Gerd ; Heinrich, Gert. / **Construction of an Interconnected Nanostructured Carbon Black Network : Development of Highly Stretchable and Robust Elastomeric Conductors.** Julkaisussa: Journal of Physical Chemistry C. 2015 ; Vuosikerta 119, Nro 37. Sivut 21723-21731.

Goh, Jing Qiang ; Akola, Jaakko. / **Superatom Model for Ag-S Nanocluster with Delocalized Electrons.** Julkaisussa: Journal of Physical Chemistry C. 2015 ; Vuosikerta 119, Nro 36. Sivut 21165-21172.

Mäkelä, J. ; Tuominen, M. ; Yasir, M. ; Polojärvi, V. ; Aho, A. ; Tukiainen, A. ; Kuzmin, M. ; Punkkinen, M. P. J. ; Laukkanen, P. ; Kokko, K. ; Guina, M. / **Effects of thinning and heating for TiO₂/AlInP junctions.** Julkaisussa: Journal of Electron Spectroscopy and Related Phenomena. 2015 ; Vuosikerta 205. Sivut 6-9.

Lepcha, A. ; Maccato, C. ; Mettenbörger, A. ; Andreu, T. ; Mayrhofer, L. ; Walter, M. ; Olthof, S. ; Ruoko, T. P. ; Klein, A. ; Moseler, M. ; Meerholz, K. ; Morante, J. R. ; Barreca, D. ; Mathur, S. / **Electrospun Black Titania Nanofibers : Influence of Hydrogen Plasma-Induced Disorder on the Electronic Structure and Photoelectrochemical Performance.** Julkaisussa: Journal of Physical Chemistry C. 2015 ; Vuosikerta 119, Nro 33. Sivut 18835-18842.

Giannoulis, Giannis ; Korpijärvi, Ville-Markus ; Iliadis, Nikos ; Mäkelä, Jaakko ; Viheriälä, Jukka ; Apostolopoulos, Dimitrios ; Guina, Mircea ; Avramopoulos, Hercules. / **Bringing High-Performance GaInNAsSb/GaAs SOAs to True Data Applications.** Julkaisussa: IEEE Photonics Technology Letters. 2015 ; Vuosikerta 27, Nro 16. Sivut 1691-1694.

Kanerva, Ulla ; Suhonen, Tomi ; Lagerbom, Juha ; Levänen, Erkki. / **Evaluation of crushing strength of spray-dried MgAl₂O₄ granule beds.** Julkaisussa: Ceramics International. 2015 ; Vuosikerta 41, Nro 7. Sivut 8494-8500.

Salmi, Tiina ; Chlachidze, Guram ; Marchevsky, Maxim ; Bajas, Hugo ; Felice, Helene ; Stenvall, Antti. / **Analysis of uncertainties in protection heater delay time measurements and simulations in Nb₃Sn high-field accelerator magnets.** Julkaisussa: IEEE Transactions on Applied Superconductivity. 2015 ; Vuosikerta 25, Nro 4.

Virkki, Kirsi ; Demir, Sinem ; Lemmetyinen, Helge ; Tkachenko, Nikolai V. / **Photoinduced Electron Transfer in CdSe/ZnS Quantum Dot-Fullerene Hybrids.** Julkaisussa: Journal of Physical Chemistry C. 2015 ; Vuosikerta 119, Nro 31. Sivut 17561-17572.

Isoniemi, Tommi ; Tuukkanen, Sampo ; Cameron, David C. ; Simonen, Janne ; Toppari, J. Jussi. / **Measuring optical anisotropy in poly(3,4-ethylene dioxythiophene) : poly(styrene sulfonate) films with added graphene.** Julkaisussa: Organic Electronics. 2015 ; Vuosikerta 25. Sivut 317-323.

Salpavaara, Timo ; Järveläinen, Matti ; Seppälä, Sari ; Yli-Hallila, Teemu ; Verho, Jarmo ; Vilkkö, Matti ; Leikkala, Jukka ; Levänen, Erkki. / **Passive resonance sensor based method for monitoring particle suspensions**. Julkaisussa: Sensors and Actuators B: Chemical. 2015 ; Vuosikerta 219. Sivut 324-330.

Ruuskanen, Janne ; Stenvall, Antti ; Lahtinen, Valtteri. / **Utilizing triangular mesh with MMEV to study hysteresis losses of round superconductors obeying critical state model**. Julkaisussa: IEEE Transactions on Applied Superconductivity. 2015 ; Vuosikerta 25, Nro 3.

Lyly, M. ; Krooshoop, E. ; Lübke, R. ; Wessel, S. ; Stenvall, A. ; Dhalle, M. ; Mikkonen, R. / **Suitability of bundle approximation in AC loss analysis of NbTi wires : Simulations and experiment**. Julkaisussa: IEEE Transactions on Applied Superconductivity. 2015 ; Vuosikerta 25, Nro 3.

Kirby, G. A. ; 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, J. C. ; 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. / **Accelerator-quality HTS dipole magnet demonstrator designs for the EuCARD-2 5-T 40-mm clear aperture magnet**. Julkaisussa: IEEE Transactions on Applied Superconductivity. 2015 ; Vuosikerta 25, Nro 3.

Rossi, L. ; Badel, A. ; Bajko, M. ; Ballarino, A. ; Bottura, L. ; Dhalle, M. M J ; Durante, M. ; Fazilleau, Ph ; 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. / **The EuCARD-2 future magnets European collaboration for accelerator-quality HTS magnets**. Julkaisussa: IEEE Transactions on Applied Superconductivity. 2015 ; Vuosikerta 25, Nro 3.

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, A. R. ; Marchevsky, M. ; Ravaoli, E. ; Sabbi, G. L. ; Salmi, T. ; Schmalzle, J. ; Todesco, E. ; Wanderer, P. ; Wang, X. ; Yu, M. / **Test results of the LARP HQ02b magnet at 1.9 K**. Julkaisussa: IEEE Transactions on Applied Superconductivity. 2015 ; Vuosikerta 25, Nro 3.

Borah, Dipu ; Rasappa, Sozaraj ; Salaun, Mathieu ; Zellsman, Marc ; Lorret, Olivier ; Liontos, George ; Ntetsikas, Konstantinos ; Avgeropoulos, Apostolos ; Morris, Michael A. / **Soft graphoepitaxy for large area directed self-assembly of polystyrene-block-poly(dimethylsiloxane) block copolymer on nanopatterned poss substrates fabricated by nanoimprint lithography**. Julkaisussa: Advanced Functional Materials. 2015 ; Vuosikerta 25, Nro 22. Sivut 3425-3432.

Marinozzi, Vittorio ; Ambrosio, Giorgio ; Bellomo, Giovanni ; Chlachidze, Guram ; Felice, Helene ; Marchevsky, Maxim ; Salmi, Tiina ; Sorbi, Massimo ; Todesco, Ezio. / **Study of quench protection for the Nb₃Sn low-β quadrupole for the LHC luminosity upgrade (HiLumi-LHC)**. Julkaisussa: IEEE Transactions on Applied Superconductivity. 2015 ; Vuosikerta 25, Nro 3.

Vignon-Dewalle, Anne Sophie ; Betrouni, Nacim ; Tylcz, Jean Baptiste ; Vermandel, Maximilien ; Mortier, Laurent ; Mordon, Serge. / **Comparison of three light doses in the photodynamic treatment of actinic keratosis using mathematical modeling**. Julkaisussa: JOURNAL OF BIOMEDICAL OPTICS. 2015 ; Vuosikerta 20, Nro 5.

Lahtinen, Valtteri ; Stenvall, Antti ; Sirois, Frédéric ; Pellikka, Matti. / **A Finite Element Simulation Tool for Predicting Hysteresis Losses in Superconductors Using an H-Oriented Formulation with Cohomology Basis Functions**. Julkaisussa: Journal of Superconductivity and Novel Magnetism. 2015 ; Vuosikerta 28, Nro 8. Sivut 2345-2354 .

Härö, E. ; Stenvall, A. ; Van Nugteren, J. ; Kirby, G. / **Hot spot temperature in an HTS Coil : Simulations with MIITs and finite element method**. Julkaisussa: IEEE Transactions on Applied Superconductivity. 2015 ; Vuosikerta 25, Nro 2.

Liu, Xiongying ; Fan, Yi ; Tentzeris, Manos M. / **An integrated "sense-and-communicate" broad-/narrow-band optically controlled reconfigurable antenna for cognitive radio systems**. Julkaisussa: Microwave and Optical Technology Letters. 2015 ; Vuosikerta 57, Nro 4. Sivut 1016-1023.

Kuisma, M. ; Sakko, A. ; Rossi, T. P. ; Larsen, A. H. ; Enkovaara, J. ; Lehtovaara, L. ; Rantala, T. T. / **Localized surface plasmon resonance in silver nanoparticles : Atomistic first-principles time-dependent density-functional theory calculations** . Julkaisussa: Physical Review B. 2015 ; Vuosikerta 91, Nro 11.

Valagiannopoulos, C. A. ; Tukiainen, A. ; Aho, T. ; Niemi, T. ; Guina, M. ; Tretyakov, S. A. ; Simovski, C. R. / **Perfect magnetic mirror and simple perfect absorber in the visible spectrum**. Julkaisussa: Physical Review B. 2015 ; Vuosikerta 91, Nro 11.

Sitbon, M. ; Leppäaho, J. ; Suntio, T. ; Kuperman, A. / **Dynamics of photovoltaic-generator-interfacing voltage-controlled buck power stage**. Julkaisussa: IEEE Journal of Photovoltaics. 2015 ; Vuosikerta 5, Nro 2. Sivut 633-640.

Rasilo, Paavo ; Abdalh, Ahmed Abou Elyazied ; Belahcen, Anouar ; Arkkio, Antero ; Dupré, Luc. / **Identification of synchronous machine magnetization characteristics from calorimetric core-loss and no-load curve measurements**. Julkaisussa: IEEE Transactions on Magnetics. 2015 ; Vuosikerta 51, Nro 3.

Belahcen, Anouar ; Singh, Deepak ; Rasilo, Paavo ; Martin, Florian ; Ghalamestani, Setareh Gorji ; Vandeveld, Lieven. / **Anisotropic and strain-dependent model of magnetostriction in electrical steel sheets**. Julkaisussa: IEEE Transactions on Magnetics. 2015 ; Vuosikerta 51, Nro 3.

Miller, Tristan L. ; Ärrälä, Minna ; Smallwood, Christopher L. ; Zhang, Wentao ; Hafiz, Hasnain ; Barbiellini, Bernardo ; Kurashima, Koshi ; Adachi, Tadashi ; Koike, Yoji ; Eisaki, Hiroshi ; Lindroos, Matti ; Bansil, Arun ; Lee, Dung Hai ; Lanzara, Alessandra. / **Resolving unoccupied electronic states with laser ARPES in bismuth-based cuprate superconductors**. Julkaisussa: Physical Review B. 2015 ; Vuosikerta 91, Nro 8.

Järvelä, Joonas ; Lyly, M. ; Stenvall, Antti ; Juntunen, Raimo ; Souc, J. ; Mikkonen, Risto. / **Design, fabrication, and testing of a low AC-loss conduction-cooled cryostat for magnetization loss measurement apparatus**. Julkaisussa: IEEE Transactions on Applied Superconductivity. 2015 ; Vuosikerta 25, Nro 1.

Goh, Jing-Qiang ; Malola, Sami ; Häkkinen, Hannu ; Akola, Jaakko. / **Silver sulfide nanoclusters and the superatom model** . Julkaisussa: Journal of Physical Chemistry C. 2015 ; Vuosikerta 119, Nro 3. Sivut 1583-1590.

Li, Zhuo ; Le, Taoran ; Wu, Zhenkun ; Yao, Yagang ; Li, Liyi ; Tentzeris, Manos ; Moon, Kyoung Sik ; Wong, C. P. / **Rational design of a printable, highly conductive silicone-based electrically conductive adhesive for stretchable radio-frequency antennas**. Julkaisussa: Advanced Functional Materials. 2015 ; Vuosikerta 25, Nro 3. Sivut 464-470.

Heiskanen, J. P. ; Manninen, V. M. ; Pankov, D. ; Omar, W. A. E. ; Kastinen, T. ; Hukka, T. I. ; Lemmetyinen, H. J. ; Hormi, O. E. O. / **Aryl end-capped quaterthiophenes applied as anode interfacial layers in inverted organic solar cells**. Julkaisussa: Thin Solid Films. 2015 ; Vuosikerta 574. Sivut 196-206.

Kalimeri, Maria ; Derreumaux, Philippe ; Sterpone, Fabio. / **Are coarse-grained models apt to detect protein thermal stability? the case of OPEP force field**. Julkaisussa: Journal of Non-Crystalline Solids. 2015 ; Vuosikerta 407. Sivut 494-501.

Zolotovskii, I. O. ; Korobko, D. A. ; Gumenyuk, R. V. ; Okhotnikov, O. G. / **Generation of bound states of pulses in a soliton laser with complex relaxation of a saturable absorber**. Julkaisussa: Quantum Electronics. 2015 ; Vuosikerta 45, Nro 1. Sivut 26-34.

Huttunen, Mikko J. ; Partanen, Mari ; Bautista, Godofredo ; Chu, Shi-Wei ; Kauranen, Martti. / **Nonlinear optical activity effects in complex anisotropic three-dimensional media**. Julkaisussa: Optical Materials Express. 2015 ; Vuosikerta 5, Nro 1. Sivut 11-21.

Hasani, Masoumeh ; Vena, Arnaud ; Sydänheimo, Lauri ; Tentzeris, Manos M. ; Ukkonen, Leena. / **A Novel Enhanced-Performance Flexible RFID-Enabled Embroidered Wireless Integrated Module for Sensing Applications**. Julkaisussa: IEEE Transactions on Components, Packaging and Manufacturing Technology. 2015 ; Vuosikerta 5, Nro 9. Sivut 1244-

Orsila, Lasse ; Sand, Johan ; Närhi, Mikko ; Genty, Goëry ; Steinmeyer, Günter. / **Supercontinuum generation as a signal amplifier**. Julkaisussa: Optica. 2015 ; Vuosikerta 2, Nro 8. Sivut 757-764.

Zolotovskii, I. O. ; Korobko, D. A. ; Okhotnikov, O. G. ; Stolyarov, D. A. ; Sysolyatin, A. A. / **Generation of a broad IR spectrum and N-soliton compression in a longitudinally inhomogeneous dispersion-shifted fibre**. Julkaisussa: Quantum Electronics. 2015 ; Vuosikerta 45, Nro 9. Sivut 844-852.

Dutta, Rahul ; Friberg, Ari T. ; Genty, Goery ; Turunen, Jari. / **Two-time coherence of pulse trains and the integrated degree of temporal coherence**. Julkaisussa: Journal of the Optical Society of America A: Optics Image Science and Vision . 2015 ; Vuosikerta 32, Nro 9. Sivut 1631-1637.

Alberucci, Alessandro ; Piccardi, Armando ; Kravets, Nina ; Buchnev, Oleksandr ; Assanto, Gaetano. / **Soliton enhancement of spontaneous symmetry breaking**. Julkaisussa: Optica. 2015 ; Vuosikerta 2, Nro 9. Sivut 783-789.

Zolotovskii, I. O. ; Korobko, D. A. ; Okhotnikov, O. G. / **Frequency modulation of semiconductor disk laser pulses**. Julkaisussa: Quantum Electronics. 2015 ; Vuosikerta 45, Nro 7. Sivut 628-634.

Stumpel, Jelle E. ; Gil, Elda Renedo ; Spoelstra, Anne B. ; Bastiaansen, Cees W M ; Broer, Dirk J. ; Schenning, Albertus P H J. / **Stimuli-Responsive Materials Based on Interpenetrating Polymer Liquid Crystal Hydrogels**. Julkaisussa: Advanced Functional Materials. 2015 ; Vuosikerta 25, Nro 22. Sivut 3314–3320.

Silwal, Bishal ; Rasilo, Paavo ; Perkkio, Lauri ; Oksman, Miika ; Hannukainen, Antti ; Eirola, Timo ; Arkkio, Antero. / **Computation of torque of an electrical machine with different types of finite element mesh in the air gap**. Julkaisussa: IEEE Transactions on Magnetics. 2014 ; Vuosikerta 50, Nro 12.

Korobko, D. A. ; Gumenyuk, R. ; Zolotovskii, I. O. ; Okhotnikov, O. G. / **Multisoliton complexes in fiber lasers**. Julkaisussa: Optical Fiber Technology. 2014 ; Vuosikerta 20, Nro 6. Sivut 593-609.

Lång, J. J K ; Punkkinen, M. P J ; Tuominen, M. ; Hedman, H. P. ; Vähä-Heikkilä, M. ; Polojärvi, V. ; Salmi, J. ; Korpijärvi, V. M. ; Schulte, K. ; Kuzmin, M. ; Punkkinen, R. ; Laukkanen, P. ; Guina, M. ; Kokko, Kalevi. / **Unveiling and controlling the electronic structure of oxidized semiconductor surfaces: Crystalline oxidized InSb(100)(1 × 2)-O : Crystalline oxidized InSb(100)(1 × 2)-O**. Julkaisussa: Physical Review B. 2014 ; Vuosikerta 90, Nro 4. Sivut 1-9.

Aho, Arto ; Polojärvi, Ville ; Korpijärvi, Ville Markus ; Salmi, Joel ; Tukiainen, Antti ; Laukkanen, Pekka ; Guina, Mircea. / **Composition dependent growth dynamics in molecular beam epitaxy of GaInNAs solar cells**. Julkaisussa: Solar Energy Materials and Solar Cells. 2014 ; Vuosikerta 124. Sivut 150-158.

Bourhis, Kevin ; Boetti, Nadia G. ; Koponen, Joonas ; Milanese, Daniel ; Petit, Laetitia. / **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**. Julkaisussa: Optical Materials. 2014 ; Vuosikerta 36, Nro 5. Sivut 926-931.

Khan, M. Nuruzzaman ; Zharnikov, Michael. / **Fabrication of ssDNA/oligo(ethylene glycol) monolayers by promoted exchange reaction with thiol and disulfide substituents**. Julkaisussa: Journal of Physical Chemistry C. 2014 ; Vuosikerta 118, Nro 6. Sivut 3093-3101.

Belahcen, Anouar ; Rasilo, Paavo ; Arkkio, Antero. / **Segregation of iron losses from rotational field measurements and application to electrical machine**. Julkaisussa: IEEE Transactions on Magnetics. 2014 ; Vuosikerta 50, Nro 2.

Ma, Li ; Jackson, Koblar Alan ; Wang, Jianguang ; Horoi, Mihai ; Jellinek, Julius. / **Investigating the metallic behavior of Na clusters using site-specific polarizabilities**. Julkaisussa: Physical Review B. 2014 ; Vuosikerta 89, Nro 3.

Jung, Kyung Young ; Yoon, Woo Jun ; Park, Yong Bae ; Berger, Paul R. ; Teixeira, Fernando L. / **Broadband finite-Difference Time-Domain modeling of plasmonic organic photovoltaics**. Julkaisussa: ETRI Journal. 2014 ; Vuosikerta 36, Nro 4. Sivut 654-661.

Stumpel, Jelle E. ; Wouters, Claudia ; Herzer, Nicole ; Ziegler, Judith ; Broer, Dirk J. ; Bastiaansen, Cees W M ; Schenning, Albertus P H J. / **An Optical Sensor for Volatile Amines Based on an Inkjet-Printed, Hydrogen-Bonded, Cholesteric Liquid Crystalline Film**. Julkaisussa: Advanced Optical Materials. 2014 ; Vuosikerta 2, Nro 5. Sivut 459-464.

Wang, Q. ; Sun, Z. ; Rotenberg, E. ; Ronning, F. ; Bauer, E. D. ; Lin, H. ; Markiewicz, R. S. ; Lindroos, M. ; Barbiellini, B. ; Bansil, A. ; Dessau, D. S. / **Symmetry-broken electronic structure and uniaxial Fermi surface nesting of untwinned CaFe₂As₂**. Julkaisussa: Physical Review B. 2013 ; Vuosikerta 88, Nro 23.

Khan, M. Nuruzzaman ; Zharnikov, Michael. / **Fabrication of ssDNA/Oligo(ethylene glycol) monolayers and patterns by exchange reaction promoted by ultraviolet light irradiation**. Julkaisussa: Journal of Physical Chemistry C. 2013 ; Vuosikerta 117, Nro 47. Sivut 24883-24893.

Aihara, Yosuke ; Kinoshita, Motoi ; Wang, Jing ; Mamiya, Jun Ichi ; Priimagi, Arri ; Shishido, Atsushi. / **Polymer stabilization enhances the orientational optical nonlinearity of oligothiophene-doped nematic liquid crystals**. Julkaisussa: Advanced Optical Materials. 2013 ; Vuosikerta 1, Nro 11. Sivut 787-791.

Suhonen, T. ; Varis, T. ; Dosta, S. ; Torrell, M. ; Guilemany, J. M. / **Residual stress development in cold sprayed Al, Cu and Ti coatings**. Julkaisussa: Acta Materialia. 2013 ; Vuosikerta 61, Nro 17. Sivut 6329-6337.

Cook, Benjamin S. ; Fang, Yunnan ; Kim, Sangkil ; Le, Taoran ; Goodwin, W. Brandon ; Sandhage, Kenneth H. ; Tenteris, Manos M. / **Inkjet catalyst printing and electroless copper deposition for low-cost patterned microwave passive devices on paper**. Julkaisussa: Electronic Materials Letters. 2013 ; Vuosikerta 9, Nro 5. Sivut 669-676.

Khan, M. Nuruzzaman ; Zharnikov, Michael. / **Irradiation promoted exchange reaction with disulfide substituents**. Julkaisussa: Journal of Physical Chemistry C. 2013 ; Vuosikerta 117, Nro 28. Sivut 14534-14543.

Colace, L. ; Santoni, F. ; Assanto, G. / **A near-infrared optoelectronic approach to detection of road conditions**. Julkaisussa: Optics and Lasers in Engineering. 2013 ; Vuosikerta 51, Nro 5. Sivut 633-636.

Borah, Dipu ; Rasappa, Sozaraj ; Senthamarikannan, Ramsankar ; Shaw, Matthew T. ; Holmes, Justin D. ; Morris, Michael A. / **The sensitivity of random polymer brush-lamellar polystyrene-b-polymethylmethacrylate block copolymer systems to process conditions**. Julkaisussa: Journal of Colloid and Interface Science. 2013 ; Vuosikerta 393, Nro 1. Sivut 192-202.

Rasilo, Paavo ; Singh, Deepak ; Belahcen, Anouar ; Arkkio, Antero. / **Iron losses, magnetoelasticity and magnetostriction in ferromagnetic steel laminations**. Julkaisussa: IEEE Transactions on Magnetics. 2013 ; Vuosikerta 49, Nro 5. Sivut 2041-2044.

Kwaśny, Michał ; Laudyn, Urszula A. ; Sala, Filip A. ; Piccardi, Armando ; Alberucci, Alessandro ; Karpierz, Mirosław A. ; Assanto, Gaetano. / **Properties of nematicons in low-birefringence nematic liquid crystals**. Julkaisussa: Photonics Letters of Poland. 2013 ; Vuosikerta 5, Nro 1. Sivut 8-10.

Vapaavuori, Jaana ; Priimagi, Arri ; Soininen, Antti J. ; Canilho, Nadia ; Kasëmi, Edis ; Ruokolainen, Janne ; Kaivola, Matti ; Ikkala, Olli. / **Photoinduced surface patterning of azobenzene-containing supramolecular dendrons, dendrimers and dendronized polymers**. Julkaisussa: Optical Materials Express. 2013 ; Vuosikerta 3, Nro 6. Sivut 711-722.

Sorianello, Vito ; De Iacovo, Andrea ; Colace, Lorenzo ; Assanto, Gaetano. / **Near-infrared photodetectors in evaporated ge : Characterization and TCAD simulations**. Julkaisussa: IEEE Transactions on Electron Devices. 2013 ; Vuosikerta 60, Nro 6. Sivut 1995-2000.

Sorianello, Vito ; Colace, Lorenzo ; Maragliano, Carlo ; Fulgoni, Dominic ; Nash, Lee ; Assanto, Gaetano. / **Germanium-on-glass solar cells : Fabrication and characterization.** Julkaisussa: Optical Materials Express. 2013 ; Vuosikerta 3, Nro 2. Sivut 216-228.

Lin, Ziyin ; Le, Taoran ; Song, Xiaojuan ; Yao, Yagang ; Li, Zhuo ; Moon, Kyoung Sik ; Tentzeris, Manos M. ; Wong, Ching Ping. / **Preparation of water-based carbon nanotube inks and application in the inkjet printing of carbon nanotube gas sensors.** Julkaisussa: Journal of Electronic Packaging. 2013 ; Vuosikerta 135, Nro 1.

Le, Taoran ; Lin, Ziyin ; Vyas, Rushi ; Lakafosis, Vasileios ; Yang, Li ; Traille, Anya ; Tentzeris, Manos M. ; Wong, Ching Ping. / **Inkjet printing of radio frequency electronics : Design methodologies and application of novel nanotechnologies.** Julkaisussa: Journal of Electronic Packaging. 2013 ; Vuosikerta 135, Nro 1.

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

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, A. R. ; Marchevsky, M. ; Russenschuck, S. ; Sabbi, G. L. ; Salmi, T. ; Schmalzle, J. ; Todesco, E. ; Wanderer, P. ; Wang, X. ; Yu, M. / **Cold test results of the LARP HQ Nb₃Sn quadrupole magnet at 1.9 K.** Julkaisussa: IEEE Transactions on Applied Superconductivity. 2013 ; Vuosikerta 23, Nro 3.

Rasappa, Sozaraj ; Borah, Dipu ; Senthamaraiannan, Ramsankar ; Faulkner, Colm C. ; Shaw, Matthew T. ; Gleeson, Peter ; Holmes, Justin D. ; Morris, Michael A. / **Block copolymer lithography : Feature size control and extension by an over-etch technique.** Julkaisussa: Thin Solid Films. 2012 ; Vuosikerta 522. Sivut 318-323.

Kapgate, Bharat P. ; Das, Chayan ; Das, Amit ; Basu, Debdipta ; Reuter, Uta ; Heinrich, Gert. / **Effect of sol-gel derived in situ silica on the morphology and mechanical behavior of natural rubber and acrylonitrile butadiene rubber blends.** Julkaisussa: JOURNAL OF SOL-GEL SCIENCE AND TECHNOLOGY. 2012 ; Vuosikerta 63, Nro 3. Sivut 501-509.

Assanto, Gaetano ; Smyth, Noel F. ; Xia, Wenjun. / **Refraction of nonlinear light beams in nematic liquid crystals.** Julkaisussa: Journal of Nonlinear Optical Physics and Materials. 2012 ; Vuosikerta 21, Nro 3.

Vikholm-Lundin, Inger ; Auer, Sanna ; Paakkunainen, Maija ; Määttä, Juha A E ; Munter, Tony ; Leppiniemi, Jenni ; Hytönen, Vesa P. ; Tappura, Kirsi. / **Cysteine-tagged chimeric avidin forms high binding capacity layers directly on gold.** Julkaisussa: Sensors and Actuators B: Chemical. 2012 ; Vuosikerta 171-172. Sivut 440-448.

Şahin, Erdem ; Onural, Levent. / **Scalar diffraction field calculation from curved surfaces via Gaussian beam decomposition.** Julkaisussa: Journal of the Optical Society of America A: Optics Image Science and Vision. 2012 ; Vuosikerta 29, Nro 7. Sivut 1459-1469.

Priimagi, Arri ; Cavallo, Gabriella ; Forni, Alessandra ; Gorynsztejn-Leben, Mikael ; Kaivola, Matti ; Mentrangolo, Pierangelo ; Milani, Roberto ; Shishido, Atsushi ; Pilati, Tullio ; Resnati, Giuseppe ; Terraneo, Giancarlo. / **Halogen bonding versus hydrogen bonding in driving self-assembly and performance of light-responsive supramolecular polymers.** Julkaisussa: Advanced Functional Materials. 2012 ; Vuosikerta 22, Nro 12. Sivut 2572-2579.

Ramesh, Anisha ; Growden, Tyler A. ; Berger, Paul R. ; Loo, Roger ; Vandervorst, Wilfried ; Douhard, Bastien ; Caymax, Matty. / **Boron delta-doping dependence on Si/SiGe resonant interband tunneling diodes grown by chemical vapor deposition.** Julkaisussa: IEEE Transactions on Electron Devices. 2012 ; Vuosikerta 59, Nro 3. Sivut 602-609.

Cuyon, Laurie ; Lesage, Jean Claude ; Betrouni, Nacim ; Mordon, Serge. / **Development of a new illumination procedure for photodynamic therapy of the abdominal cavity.** Julkaisussa: JOURNAL OF BIOMEDICAL OPTICS. 2012 ; Vuosikerta 17, Nro 3.

Viitala, Matti ; Kuisma, Mikael ; Rantala, Tapio T. / **Physisorption of benzene on a tin dioxide surface : Van der Waals interaction.** Julkaisussa: Physical Review B. 2012 ; Vuosikerta 85, Nro 8. Sivut 1-5.

Koskela, Jenni E. ; Vapaavuori, Jaana ; Hautala, Juho ; Priimagi, Arri ; Faul, Charl F J ; Kaivola, Matti ; Ras, Robin H A. / **Surface-relief gratings and stable birefringence inscribed using light of broad spectral range in supramolecular polymer-bisazobenzene complexes.** Julkaisussa: Journal of Physical Chemistry C. 2012 ; Vuosikerta 116, Nro 3. Sivut 2363-2370.

Heikkinen, Jarkko J. ; Kivimäki, Liisa ; Hytönen, Vesa P. ; Kulomaa, Markku S. ; Hormi, Osmo E O. / **Printable and flexible macroporous organosilica film with high protein adsorption capacity.** Julkaisussa: Thin Solid Films. 2012 ; Vuosikerta 520, Nro 6. Sivut 1934-1937.

Iliopoulos, Konstantinos ; Czaplicki, Robert ; Ouazzani, Hasnaa El ; Balandier, Jean-Yves ; Chas, Marcos ; Goeb, Sébastien ; Sallé, Marc ; Gindre, Denis ; Sahraoui, Bouchta. / **Third order nonlinear optical response of TTF-based molecular corners.** Julkaisussa: Nonlinear Optics, Quantum Optics. 2012 ; Vuosikerta 43, Nro 1-4. Sivut 205-212.

Rasilo, Paavo ; Belahcen, Anouar ; Arkio, Antero. / **Importance of iron-loss modeling in simulation of wound-field synchronous machines.** Julkaisussa: IEEE Transactions on Magnetics. 2012 ; Vuosikerta 48, Nro 9. Sivut 2495-2504.

Assanto, Gaetano ; Piccardi, Armando ; Barboza, Raouf ; Alberucci, Alessandro. / **Electro-optic steering of nematicons.** Julkaisussa: Photonics Letters of Poland. 2012 ; Vuosikerta 4, Nro 1. Sivut 2-4.

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

Ouskova, Elena ; Vapaavuori, Jaana ; Kaivola, Matti. / **Self-orienting liquid crystal doped with polymer-azo-dye complex.** Julkaisussa: Optical Materials Express. 2011 ; Vuosikerta 1, Nro 8. Sivut 1463-1470.

Wang, Jianguang ; Ray, Asok K. / **Adsorption and dissociation of molecular oxygen on α -Pu (0 2 0) surface : A density functional study.** Julkaisussa: Physica B: Condensed Matter. 2011 ; Vuosikerta 406, Nro 17. Sivut 3285-3294.

Sorianello, V. ; Colace, L. ; Nardone, M. ; Assanto, G. / **Thermally evaporated single-crystal Germanium on Silicon.** Julkaisussa: Thin Solid Films. 2011 ; Vuosikerta 519, Nro 22. Sivut 8037-8040.

Sorianello, Vito ; Colace, Lorenzo ; Armani, Nicola ; Rossi, Francesca ; Ferrari, Claudio ; Lazzarini, Laura ; Assanto, Gaetano. / **Low-temperature germanium thin films on silicon.** Julkaisussa: Optical Materials Express. 2011 ; Vuosikerta 1, Nro 5. Sivut 856-865.

Shimamura, Aki ; Priimagi, Arri ; Mamiya, Jun Ichi ; Kinoshita, Motoi ; Ikeda, Tomiki ; Shishido, Atsushi. / **Photoinduced bending upon pulsed irradiation in azobenzene-containing crosslinked liquid-crystalline polymers.** Julkaisussa: Journal of Nonlinear Optical Physics and Materials. 2011 ; Vuosikerta 20, Nro 4. Sivut 405-413.

Chang, Bo ; Routa, Iiris ; Sariola, Veikko ; Zhou, Quan. / **Self-alignment of RFID dies on four-pad patterns with water droplet for sparse self-assembly.** Julkaisussa: Journal of Micromechanics and Microengineering. 2011 ; Vuosikerta 21, Nro 9.

Giammarco, James ; Zdyrko, Bogdan ; Petit, Laetitia ; Musgraves, J. David ; Hu, Juejun ; Agarwal, Anu ; Kimerling, Lionel ; Richardson, Kathleen ; Luzinov, Igor. / **Towards universal enrichment nanocoating for IR-ATR waveguides.** Julkaisussa: Chemical Communications. 2011 ; Vuosikerta 47, Nro 32. Sivut 9104-9106.

Vikholm-Lundin, Inger ; Auer, Sanna ; Hellgren, Ann Charlotte. / **Detection of 3,4-methylenedioxymethamphetamine (MDMA, ecstasy) by displacement of antibodies.** Julkaisussa: Sensors and Actuators B: Chemical. 2011 ; Vuosikerta 156, Nro 1. Sivut 28-34.

Beck, Sungho ; Jeong, Seongheon ; Min, Sunki ; Hwang, Myung Woon ; Kim, Stephen T. ; Lim, Kyutae ; Tentzeris, Emmanouil M. / **A 0.5-6MHz Active-RC LPF with Fine Gain Steps Using Binary Interpolated Resistor Banks**. Julkaisussa: IEICE TRANSACTIONS ON ELECTRONICS. 2011 ; Vuosikerta E94-C, Nro 8. Sivut 1328-1331.

Musgraves, J. D. ; Carlie, N. ; Hu, J. ; Petit, L. ; Agarwal, A. ; Kimerling, L. C. ; Richardson, K. A. / **Comparison of the optical, thermal and structural properties of Ge-Sb-S thin films deposited using thermal evaporation and pulsed laser deposition techniques**. Julkaisussa: Acta Materialia. 2011 ; Vuosikerta 59, Nro 12. Sivut 5032-5039.

Beck, Sungho ; Kim, Stephen T. ; Lee, Michael ; Lim, Kyutae ; Laskar, Joy ; Tentzeris, Manos M. / **A new power-consumption optimization technique for two-stage operational amplifiers**. Julkaisussa: IEICE TRANSACTIONS ON ELECTRONICS. 2011 ; Vuosikerta E94-C, Nro 6. Sivut 1138-1140.

Bottura, L. ; Bonasia, A. ; Borgnolutti, F. ; Gaertner, W. ; Le Naour, S. ; Oberli, L. ; Peiro, G. ; Richter, D. ; Salmi, T. ; Sikler, G. ; Willering, G. / **Strand and cable R&D for fast cycled magnets at CERN**. Julkaisussa: IEEE Transactions on Applied Superconductivity. 2011 ; Vuosikerta 21, Nro 3 PART 2. Sivut 2354-2358.

Borah, D. ; Shaw, M. T. ; Rasappa, S. ; Farrell, R. A. ; O'Mahony, C. ; Faulkner, C. M. ; Bosea, M. ; Gleeson, P. ; Holmes, J. D. ; Morris, M. A. / **Plasma etch technologies for the development of ultra-small feature size transistor devices**. Julkaisussa: Journal of Physics D: Applied Physics. 2011 ; Vuosikerta 44, Nro 17.

Ma, L. ; Ray, A. K. / **An ab initio study of $\text{PuO}_{2\pm 0.25}$, $\text{UO}_{2\pm 0.25}$, and $\text{UO}_2\text{Pu}_{0.5\text{O}_{2\pm 0.25}}$** . Julkaisussa: European Physical Journal B. 2011 ; Vuosikerta 81, Nro 1. Sivut 103-113.

Sorianello, V. ; Colace, L. ; Assanto, G. ; Nardone, M. / **Micro-Raman characterization of Germanium thin films evaporated on various substrates**. Julkaisussa: Microelectronic Engineering. 2011 ; Vuosikerta 88, Nro 4. Sivut 492-495.

Colace, L. ; Sorianello, V. ; Romagnoli, M. ; Socci, L. ; Assanto, G. / **Optical power monitors in Ge monolithically integrated on SOI chips**. Julkaisussa: Microelectronic Engineering. 2011 ; Vuosikerta 88, Nro 4. Sivut 514-517.

Sorianello, V. ; Colace, L. ; Assanto, G. ; Notargiacomo, A. ; Armani, N. ; Rossi, F. ; Ferrari, C. / **Thermal evaporation of Ge on Si for near infrared detectors : Material and device characterization**. Julkaisussa: Microelectronic Engineering. 2011 ; Vuosikerta 88, Nro 4. Sivut 526-529.

Petelenz, Piotr ; Kulig, Waldemar. / **Absorption profile and femtosecond intraband relaxation of the intense upper Davydov component in oligothiophenes**. Julkaisussa: Physica Status Solidi B: Basic Solid State Physics. 2011 ; Vuosikerta 248, Nro 2. Sivut 412-415.

Gupta, Samit K. ; Wu, Hao Hsuan ; Kwak, Kwang J. ; Casal, Patricia ; Nicholson, Theodore R. ; Wen, Xuejin ; Anisha, R. ; Bhushan, Bharat ; Berger, Paul R. ; Lu, Wu ; Brillson, Leonard J. ; Lee, Stephen Craig. / **Interfacial design and structure of protein/polymer films on oxidized AlGaN surfaces**. Julkaisussa: Journal of Physics D: Applied Physics. 2011 ; Vuosikerta 44, Nro 3.

Chang, Bo ; Sariola, Veikko ; Jääskeläinen, Mirva ; Zhou, Quan. / **Self-alignment in the stacking of microchips with mist-induced water droplets**. Julkaisussa: Journal of Micromechanics and Microengineering. 2011 ; Vuosikerta 21, Nro 1.

Rondin, L. ; Dantelle, G. ; Slablab, A. ; Grosshans, F. ; Treussart, F. ; Bergonzo, P. ; Perruchas, S. ; Gacoin, T. ; Chaigneau, M. ; Chang, H. C. ; Jacques, V. ; Roch, J. F. / **Surface-induced charge state conversion of nitrogen-vacancy defects in nanodiamonds**. Julkaisussa: Physical Review B. 2010 ; Vuosikerta 82, Nro 11.

Fonteyn, Katarzyna ; Belahcen, Anouar ; Kouhia, Reijo ; Rasilo, Paavo ; Arkkio, Antero. / **FEM for directly coupled magneto-mechanical phenomena in electrical machines**. Julkaisussa: IEEE Transactions on Magnetics. 2010 ; Vuosikerta 46, Nro 8. Sivut 2923-2926.

Caglayan, Humeyra ; Özbay, Ekmel. / **Observation of cavity structures in composite metamaterials.** Julkaisussa: Journal of Nanophotonics. 2010 ; Vuosikerta 4, Nro 1.

Assanto, Gaetano ; Piccardi, Armando ; Alberucci, Alessandro ; Residori, Stefania ; Bortolozzo, Umberto. / **Liquid crystal light valves : A versatile platform for nematicons.** Julkaisussa: Photonics Letters of Poland. 2009 ; Vuosikerta 1, Nro 4. Sivut 151-153.

Caglayan, H. ; Bulu, I. ; Ozbay, E. / **Observation of off-axis directional beaming via subwavelength asymmetric metallic gratings.** Julkaisussa: Journal of Physics D: Applied Physics. 2009 ; Vuosikerta 42, Nro 4.

Caglayan, Humeyra ; Bulu, Irfan ; Loncar, Marko ; Ozbay, Ekmel. / **Cavity formation in split ring resonators.** Julkaisussa: Photonics and Nanostructures - Fundamentals and Applications. 2008 ; Vuosikerta 6, Nro 3-4. Sivut 200-204.

Özbay, Ekmel ; Bulu, Irfan ; Caglayan, Humeyra. / **Transmission, refraction, and focusing properties of labyrinth based left-handed metamaterials.** Julkaisussa: Physica Status Solidi (B) Basic Research. 2007 ; Vuosikerta 244, Nro 4. Sivut 1202-1210.

Bulu, Irfan ; Caglayan, Humeyra ; Ozbay, Ekmel. / **Designing materials with desired electromagnetic properties.** Julkaisussa: Microwave and Optical Technology Letters. 2006 ; Vuosikerta 48, Nro 12. Sivut 2611-2615.

Ozbay, Ekmel ; Bulu, Irfan ; Aydin, Koray ; Caglayan, Humeyra ; Guven, Kaan. / **Physics and applications of photonic crystals.** Julkaisussa: Photonics and Nanostructures - Fundamentals and Applications. 2004 ; Vuosikerta 2, Nro 2. Sivut 87-95.

Bulu, Irfan ; Caglayan, Humeyra ; Ozbay, Ekmel. / **Radiation properties of sources inside photonic crystals.** Julkaisussa: Physical Review B - Condensed Matter and Materials Physics. 2003 ; Vuosikerta 67, Nro 20.

Koivusaari, K. Jarmo ; Rantala, Tapio T. ; Leppävuori, Seppo. / **Calculated electronic density of states and structural properties of tetrahedral amorphous carbon.** Julkaisussa: Diamond and Related Materials. 2000 ; Vuosikerta 9, Nro 3. Sivut 736-740.

Kumpula, R. ; Vayrynen, J. ; Rantala, T. ; Aksela, S. / **Direct measurement of vapour-metal shifts in photo- and Auger electron spectra of Zn and Cd.** Julkaisussa: Journal of physics c-Solid state physics. 1979 ; Vuosikerta 12, Nro 21.