

Abada, A, Abbrescia, M, AbdusSalam, SS, Abdyukhanov, I, Abelleira Fernandez, J, Abramov, A, Aburaia, M, Acar, AO, Adzic, PR, Agrawal, P, Aguilar-Saavedra, JA, Aguilera-Verdugo, JJ, Aiba, M, Aichinger, I, Aielli, G, Akay, A, Akhundov, A, Aksakal, H, Albacete, JL, Albergo, S, Alekou, A, Aleksa, M, Aleksan, R, Alemnay Fernandez, RM, Alexahin, Y, Alía, RG, Alioli, S, Alipour Tehrani, N, Allanach, BC, Allport, PP, Altınlı, M, Altmannshofer, W, Ambrosio, G, Amorim, D, Amstutz, O, Anderlini, L, Andreatza, A, Andreini, M, Andriatis, A, Andris, C, Andronic, A, Angelucci, M, Antinori, F, Antipov, SA, Antonelli, M, Antonello, M, Lehtinen, T, Penttinen, JP, Salmi, T & Stenvall, A 2019, 'FCC-hh: The Hadron Collider: Future Circular Collider Conceptual Design Report Volume 3', *European Physical Journal: Special Topics*, Vuosikerta. 228, Nro 4, Sivut 755-1107. <https://doi.org/10.1140/epjst/e2019-900087-0>

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

Abou-Chahine, F, Fujii, D, Imahori, H, Nakano, H, Tkachenko, NV, Matano, Y & Lemmetyinen, H 2015, 'Synthesis and Photophysical Properties of Two Diazaporphyrin-Porphyrin Hetero Dimers in Polar and Nonpolar Solutions', *Journal of Physical Chemistry Part B*, Vuosikerta. 119, Nro 24, Sivut 7328-7337. <https://doi.org/10.1021/jp510903a>

Ahmed, Z, George, L, Hiltunen, A, Lemmetyinen, H, Hukka, T & Efimov, A 2015, 'Synthesis and study of electrochemical and optical properties of substituted perylenemonoimides in solutions and on solid surfaces', *Journal of Materials Chemistry A*, Vuosikerta. 3, Nro 25, Sivut 13332-13339. <https://doi.org/10.1039/c5ta02241j>

Airiskallio, E, Nurmi, E, Väyrynen, IJ, Kokko, K, Ropo, M, Punkkinen, MPJ, Johansson, B & Vitos, L 2014, 'Magnetic origin of the chemical balance in alloyed Fe-Cr stainless steels: First-principles and Ising model study', *Computational Materials Science*, Vuosikerta. 92, Sivut 135-140. <https://doi.org/10.1016/j.commatsci.2014.05.036>

Aisala, H, Manninen, H, Laaksonen, T, Linderborg, KM, Myoda, T, Hopia, A & Sandell, M 2020, 'Linking volatile and non-volatile compounds to sensory profiles and consumer liking of wild edible Nordic mushrooms', *Food Chemistry*, Vuosikerta. 304, 125403. <https://doi.org/10.1016/j.foodchem.2019.125403>

Akamatsu, N, Aizawa, M, Tatsumi, R, Hisano, K, Priimägi, A & Shishido, A 2016, 'Photoresponsive liquid-crystalline polymer films bilayered with an inverse opal structure', *JOURNAL OF PHOTOPOLYMER SCIENCE AND TECHNOLOGY*, Vuosikerta. 29, Nro 1, Sivut 145-148. <https://doi.org/10.2494/photopolymer.29.145>

Akimova, AV, Grin, MA, Golovina, GV, Kokrashvili, TA, Vinogradov, AM, Mironov, AF, Rychkov, GN, Shtil, AA, Kuzmin, VA & Durandin, NA 2014, 'Novel derivatives of bacteriochlorophyll a: Complex formation with albumin and the mechanism of tumor cell photodamage', *DOKLADY BIOCHEMISTRY AND BIOPHYSICS*, Vuosikerta. 454, Nro 1, Sivut 17-20. <https://doi.org/10.1134/S1607672914010062>

Alanen, J, Saukko, E, Lehtoranta, K, Murtonen, T, Timonen, H, Hillamo, R, Karjalainen, P, Kuuluvainen, H, Harra, J, Keskinen, J & Rönkkö, T 2015, 'The formation and physical properties of the particle emissions from a natural gas engine', *Fuel*, Vuosikerta. 162, Sivut 155-161. <https://doi.org/10.1016/j.fuel.2015.09.003>

Alanen, J, Isotalo, M, Kuittinen, N, Simonen, P, Martikainen, S, Kuuluvainen, H, Honkanen, M, Lehtoranta, K, Nyysönen, S, Vesala, H, Timonen, H, Aurela, M, Keskinen, J & Rönkkö, T 2020, 'Physical Characteristics of Particle Emissions from a Medium Speed Ship Engine Fueled with Natural Gas and Low-Sulfur Liquid Fuels', *Environmental Science and Technology*, Vuosikerta. 54, Nro 9, Sivut 5376-5384. <https://doi.org/10.1021/acs.est.9b06460>

Ali, I, Suominen, O, Gotchev, A & Morales, ER 2019, 'Methods for simultaneous robot-world-hand-eye calibration: A comparative study', *Sensors (Switzerland)*, Vuosikerta. 19, Nro 12, 2837. <https://doi.org/10.3390/s19122837>

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

Ali-Löyty, H, Hannula, M, Honkanen, M, Östman, K, Lahtonen, K & Valden, M 2016, 'Grain orientation dependent Nb-Ti microalloying mediated surface segregation on ferritic stainless steel', *Corrosion Science*, Vuosikerta. 112, Sivut 204-213. <https://doi.org/10.1016/j.corsci.2016.07.024>

Allolio, C, Baxova, K, Vazdar, M & Jungwirth, P 2016, 'Guanidinium Pairing Facilitates Membrane Translocation', *Journal of Physical Chemistry Part B*, Vuosikerta. 120, Nro 1, Sivut 143-153. <https://doi.org/10.1021/acs.jpcc.5b10404>

Amanatidis, S, Ntziachristos, L, Giechaskiel, B, Bergmann, A & Samaras, Z 2014, 'Impact of selective catalytic reduction on exhaust particle formation over excess ammonia events', *Environmental Science and Technology*, Vuosikerta. 48, Nro 19, Sivut 11527-11534. <https://doi.org/10.1021/es502895v>

Anttalainen, O, Puton, J, Kontunen, A, Karjalainen, M, Kumpulainen, P, Oksala, N, Safaei, Z & Roine, A 2019, 'Possible strategy to use differential mobility spectrometry in real time applications', *International Journal for Ion Mobility Spectrometry*. <https://doi.org/10.1007/s12127-019-00251-1>

Arvani, M, Keskinen, J, Railanmaa, A, Siljander, S, Björkqvist, T, Tuukkanen, S & Lupo, D 2020, 'Additive manufacturing of monolithic supercapacitors with biopolymer separator', *Journal of Applied Electrochemistry*, Vuosikerta. 50, Nro 6, Sivut 689-697. <https://doi.org/10.1007/s10800-020-01423-2>

Asikainen, S, Paakinaho, K, Kyhkynen, AK, Hannula, M, Malin, M, Ahola, N, Kellomäki, M & Seppälä, J 2019, 'Hydrolysis and drug release from poly(ethylene glycol)-modified lactone polymers with open porosity', *European Polymer Journal*, Vuosikerta. 113, Sivut 165-175. <https://doi.org/10.1016/j.eurpolymj.2019.01.056>

Assoah, B, Riihonen, V, Vale, JR, Valkonen, A & Candeias, NR 2019, 'Synthesis of 6,12-disubstituted methanodibenzo[b,f][1,5]dioxocins: Pyrrolidine catalyzed self-condensation of 2'-Hydroxyacetophenones', *Molecules*, Vuosikerta. 24, Nro 13, 2405. <https://doi.org/10.3390/molecules24132405>

Auer, S, Nirschl, M, Schreiter, M & Vikholm-Lundin, I 2011, 'Detection of DNA hybridisation in a diluted serum matrix by surface plasmon resonance and film bulk acoustic resonators', *Analytical and Bioanalytical Chemistry*, Vuosikerta. 400, Nro 5, Sivut 1387-1396. <https://doi.org/10.1007/s00216-011-4871-0>

Ayodele, OB, Cai, R, Wang, J, Ziouani, Y, Liang, Z, Spadaro, MC, Kovnir, K, Arbiol, J, Akola, J, Palmer, RE & Kolen'Ko, YV 2019, 'Synergistic Computational-Experimental Discovery of Highly Selective PtCu Nanocluster Catalysts for Acetylene Semihydrogenation', *ACS CATALYSIS*, Sivut 451-457. <https://doi.org/10.1021/acscatal.9b03539>

Azemati, H, Jam, F, Ghorbani, M, Dehmer, M, Ebrahimpour, R, Ghanbaran, A & Emmert-Streib, F 2020, 'The role of symmetry in the aesthetics of residential building façades using cognitive science methods', *Symmetry*, Vuosikerta. 12, Nro 9, 1438. <https://doi.org/10.3390/sym12091438>

Bączkiewicz, J, Malaska, M, Pajunen, S, Alanen, M & Heinisuo, M 2020, 'Experimental study on axially loaded square hollow section T-joints under fire conditions', *FIRE SAFETY JOURNAL*, Vuosikerta. 114, 102993. <https://doi.org/10.1016/j.firesaf.2020.102993>

Baek, J, Umeyama, T, Stranius, K, Yamada, H, Tkachenko, NV & Imahori, H 2017, 'Long-Range Observation of Exciplex Formation and Decay Mediated by One-Dimensional Bridges', *Journal of Physical Chemistry C*, Vuosikerta. 121, Nro 25, Sivut 13952-13961. <https://doi.org/10.1021/acs.jpcc.7b04483>

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

Bajamundi, CJE, Vainikka, P, Hedman, M, Silvennoinen, J, Heinanen, T, Taipale, R & Konttinen, J 2015, 'Searching for a robust strategy for minimizing alkali chlorides in fluidized bed boilers during burning of high SRF-energy-share fuel', *Fuel*, Vuosikerta. 155, Sivut 25-36. <https://doi.org/10.1016/j.fuel.2015.03.087>

Balanta, MAG, Orsi Gordo, V, Carvalho, ARH, Puustinen, J, Alghamdi, HM, Henini, M, Galeti, HVA, Guina, M & Galvão Gobato, Y 2017, 'Polarization resolved photoluminescence in GaAs_{1-x}Bi_x/GaAs quantum wells', *Journal of Luminescence*, Vuosikerta. 182, Sivut 49-52. <https://doi.org/10.1016/j.jlumin.2016.10.008>

Banerjee, SS, Hait, S, Natarajan, TS, Wießner, S, Stöckelhuber, KW, Jehnichen, D, Janke, A, Fischer, D, Heinrich, G, Busfield, JJC & Das, A 2019, 'Water-Responsive and Mechanically Adaptive Natural Rubber Composites by in Situ Modification of Mineral Filler Structures', *Journal of Physical Chemistry B*, Vuosikerta. 123, Nro 24, Sivut 5168-5175. <https://doi.org/10.1021/acs.jpcc.9b02125>

Banerjee, SS, Natarajan, TS, Subramani B., E, Wießner, S, Janke, A, Heinrich, G & Das, A 2019, 'Temperature scanning stress relaxation behavior of water responsive and mechanically adaptive elastomer nanocomposites', *Journal of Applied Polymer Science*. <https://doi.org/10.1002/app.48344>

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

Baratto, C, Golovanova, V, Faglia, G, Hakola, H, Niemi, T, Tkachenko, N, Nazarchurk, B & Golovanov, V 2020, 'On the alignment of ZnO nanowires by Langmuir – Blodgett technique for sensing application', *Applied Surface Science*, Vuosikerta. 528, 146959. <https://doi.org/10.1016/j.apsusc.2020.146959>

Barboza, R, Bortolozzo, U, Assanto, G & Residori, S 2013, 'Optical vortex generation in nematic liquid crystal light valves', *Molecular Crystals and Liquid Crystals*, Vuosikerta. 572, Nro 1, Sivut 24-30. <https://doi.org/10.1080/15421406.2012.763206>

Bardhan, JP, Jungwirth, P & Makowski, L 2012, 'Affine-response model of molecular solvation of ions: Accurate predictions of asymmetric charging free energies', *Journal of Chemical Physics*, Vuosikerta. 137, Nro 12, 124101. <https://doi.org/10.1063/1.4752735>

Barreca, D, Carraro, G, Warwick, MEA, Kaunisto, K, Gasparotto, A, Gombac, V, Sada, C, Turner, S, Van Tendeloo, G, Maccato, C & Fornasiero, P 2015, 'Fe₂O₃-TiO₂ nanosystems by a hybrid PE-CVD/ALD approach: controllable synthesis, growth mechanism, and photocatalytic properties', *CrystEngComm*, Vuosikerta. 17, Nro 32, Sivut 6219-6226. <https://doi.org/10.1039/c5ce00883b>

Barreca, D, Carraro, G, Maccato, C, Altantzis, T, Kaunisto, K & Gasparotto, A 2018, 'Controlled Growth of Supported ZnO Inverted Nanopyramids with Downward Pointing Tips', *Crystal Growth and Design*, Vuosikerta. 18, Nro 4, Sivut 2579-2587. <https://doi.org/10.1021/acs.cgd.8b00198>

Basu, D, Das, A, Wang, DY, George, JJ, Stöckelhuber, KW, Boldt, R, Leuteritz, A & Heinrich, G 2016, 'Fire-safe and environmentally friendly nanocomposites based on layered double hydroxides and ethylene propylene diene elastomer', *RSC Advances*, Vuosikerta. 6, Nro 31, Sivut 26425-26436. <https://doi.org/10.1039/c5ra27444c>

Basu, D, Das, A, Stöckelhuber, KW & Wießner, S 2016, Nanostructured Ionomeric Elastomers. julkaisussa KW Stöckelhuber, A Das & M Klüppel (toim), *Designing of Elastomer Nanocomposites: From Theory to Applications*. Advances in Polymer Science, Vuosikerta. 275, Springer International Publishing, Sivut 235-266. https://doi.org/10.1007/12_2016_8

Bautista, G, Mäkitalo, J, Chen, Y, Dhaka, V, Grasso, M, Karvonen, L, Jiang, H, Huttunen, MJ, Huhtio, T, Lipsanen, H & Kauranen, M 2015, 'Second-harmonic generation imaging of semiconductor nanowires with focused vector beams', *Nano Letters*, Vuosikerta. 15, Nro 3, Sivut 1564-1569. <https://doi.org/10.1021/nl503984b>

Bayr, S, Kaparaju, P & Rintala, J 2013, 'Screening pretreatment methods to enhance thermophilic anaerobic digestion of pulp and paper mill wastewater treatment secondary sludge', *Chemical Engineering Journal*, Vuosikerta. 223, Sivut 479-486. <https://doi.org/10.1016/j.cej.2013.02.119>

Beter, J, Schrittmesser, B, Maroh, B, Sarlin, E, Fuchs, PF & Pinter, G 2020, 'Comparison and impact of different fiber debond techniques on fiber reinforced flexible composites', *Polymers*, Vuosikerta. 12, Nro 2, 472. <https://doi.org/10.3390/polym12020472>

Beyeh, NK, Pan, F, Valkonen, A & Rissanen, K 2015, 'Encapsulation of secondary and tertiary ammonium salts by resorcinarenes and pyrogallarenes: The effect of size and charge concentration', *CrystEngComm*, Vuosikerta. 17, Nro 5, Sivut 1182-1188. <https://doi.org/10.1039/c4ce01927j>

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

Bhagyaraj, S, Perumbilavil, S, Udayabashkar, R, Mangalaraja, RV, Thomas, S, Kalarikkal, N & Oluwafemi, OS 2019, ' Tuning of nonlinear absorption in highly luminescent CdSe based quantum dots with core-shell and core/multi-shell architectures', *Physical Chemistry Chemical Physics*, Vuosikerta. 21, Nro 21, Sivut 11424-11434. <https://doi.org/10.1039/c9cp00476a>

Bianchi, F, Kurtén, T, Riva, M, Mohr, C, Rissanen, MP, Roldin, P, Berndt, T, Crouse, JD, Wennberg, PO, Mentel, TF, Wildt, J, Junninen, H, Jokinen, T, Kulmala, M, Worsnop, DR, Thornton, JA, Donahue, N, Kjaergaard, HG & Ehn, M 2019, ' Highly Oxygenated Organic Molecules (HOM) from Gas-Phase Autoxidation Involving Peroxy Radicals: A Key Contributor to Atmospheric Aerosol', *Chemical Reviews*, Vuosikerta. 119, Nro 6, Sivut 3472-3509. <https://doi.org/10.1021/acs.chemrev.8b00395>

Bilkova, E, Pleskot, R, Rissanen, S, Sun, S, Czogalla, A, Cwiklik, L, Róg, T, Vattulainen, I, Cremer, PS, Jungwirth, P & Coskun, Ü 2017, 'Calcium Directly Regulates Phosphatidylinositol 4,5-Bisphosphate Headgroup Conformation and Recognition', *Journal of the American Chemical Society*, Vuosikerta. 139, Nro 11, Sivut 4019-4024. <https://doi.org/10.1021/jacs.6b11760>

Boardman, AD, Alberucci, A, Assanto, G, Grimalsky, VV, Kibler, B, McNiff, J, Nefedov, IS, Rapoport, YG & Valagiannopoulos, CA 2017, 'Waves in hyperbolic and double negative metamaterials including rogues and solitons', *Nanotechnology*, Vuosikerta. 28, Nro 44, 444001. <https://doi.org/10.1088/1361-6528/aa6792>

Bodrova, A, Checkin, AV, Cherstvy, AG & Metzler, R 2015, 'Quantifying non-ergodic dynamics of force-free granular gases', *Physical Chemistry Chemical Physics*, Vuosikerta. 17, Nro 34, Sivut 21791-21798. <https://doi.org/10.1039/c5cp02824h>

Bolelli, G, Berger, LM, Börner, T, Koivuluoto, H, Lusvarghi, L, Lyphout, C, Markocsan, N, Matikainen, V, Nylén, P, Sassatelli, P, Trache, R & Vuoristo, P 2015, 'Tribology of HVOF- and HVOF-sprayed WC-10Co4Cr hardmetal coatings: A comparative assessment', *Surface and Coatings Technology*, Vuosikerta. 265, Sivut 125-144. <https://doi.org/10.1016/j.surfcoat.2015.01.048>

Borah, D, Rasappa, S, Salaun, M, Zellsman, M, Lorret, O, Liontos, G, Ntetsikas, K, Avgeropoulos, A & Morris, MA 2015, ' Soft graphoepitaxy for large area directed self-assembly of polystyrene-block-poly(dimethylsiloxane) block copolymer on nanopatterned poss substrates fabricated by nanoimprint lithography', *Advanced Functional Materials*, Vuosikerta. 25, Nro 22, Sivut 3425-3432. <https://doi.org/10.1002/adfm.201500100>

Borah, D, Rasappa, S, Sentharamaikannan, R, Holmes, JD & Morris, MA 2015, 'Block co-polymers for nanolithography: Rapid microwave annealing for pattern formation on substrates', *Polymers*, Vuosikerta. 7, Nro 4, Sivut 592-609. <https://doi.org/10.3390/polym7040592>

Borah, D, Simao, CD, Sentharamaikannan, R, Rasappa, S, Francone, A, Lorret, O, Salaun, M, Kosmala, B, Kehagias, N, Zelsmann, M, Sotomayor-Torres, CM & Morris, MA 2013, 'Soft-graphoepitaxy using nanoimprinted polyhedral oligomeric silsesquioxane substrates for the directed self-Assembly of PS-b-PDMS', *European Polymer Journal*, Vuosikerta. 49, Nro 11, Sivut 3512-3521. <https://doi.org/10.1016/j.eurpolymj.2013.08.011>

Borah, D, Rasappa, S, Senthamarai Kannan, R, Holmes, JD & Morris, MA 2013, 'Tuning PDMS brush chemistry by UV-O3 exposure for PS-b-PDMS microphase separation and directed self-assembly', *Langmuir*, Vuosikerta. 29, Nro 28, Sivut 8959-8968. <https://doi.org/10.1021/la401561k>

Borah, D, Ozmen, M, Rasappa, S, Shaw, MT, Holmes, JD & Morris, MA 2013, 'Molecularly functionalized silicon substrates for orientation control of the microphase separation of PS-b-PMMA and PS-b-PDMS block copolymer systems', *Langmuir*, Vuosikerta. 29, Nro 9, Sivut 2809-2820. <https://doi.org/10.1021/la304140q>

Buchholz, M, Goletz, CM, Grossmann, F, Schmidt, B, Heyda, J & Jungwirth, P 2012, 'Semiclassical hybrid approach to condensed phase molecular dynamics: Application to the I_2Kr_{17} cluster', *Journal of Physical Chemistry A*, Vuosikerta. 116, Nro 46, Sivut 11199-11210. <https://doi.org/10.1021/jp305084f>

Calejo, MT, Haapala, A, Skottman, H & Kellomäki, M 2019, 'Porous polybutylene succinate films enabling adhesion of human embryonic stem cell-derived retinal pigment epithelial cells (hESC-RPE)', *European Polymer Journal*, Vuosikerta. 118, Sivut 78-87. <https://doi.org/10.1016/j.eurpolymj.2019.05.041>

Cavallo, G, Terraneo, G, Monfredini, A, Saccone, M, Priimägi, A, Pilati, T, Resnati, G, Metrangolo, P & Bruce, DW 2016, 'Superfluorinated Ionic Liquid Crystals Based on Supramolecular, Halogen-Bonded Anions', *Angewandte Chemie (International Edition)*, Vuosikerta. 55, Nro 21, Sivut 6300-6304. <https://doi.org/10.1002/anie.201601278>

Çetinkaya, AY, Köroğlu, EO, Demir, NM, Baysoy, DY, Özkaya, B & Çakmakçı, M 2015, 'Electricity production by a microbial fuel cell fueled by brewery wastewater and the factors in its membrane deterioration', *Chinese Journal of Catalysis*, Vuosikerta. 36, Nro 7, Sivut 1068-1076. [https://doi.org/10.1016/S1872-2067\(15\)60833-6](https://doi.org/10.1016/S1872-2067(15)60833-6)

Chakraborty, S, Rene, ER, Lens, PNL, Rintala, J, Veiga, MC & Kennes, C 2020, 'Effect of tungsten and selenium on C_1 gas bioconversion by an enriched anaerobic sludge and microbial community analysis', *Chemosphere*, Vuosikerta. 250, Sivut 126105. <https://doi.org/10.1016/j.chemosphere.2020.126105>

Cherstvy, AG & Metzler, R 2015, 'Ergodicity breaking and particle spreading in noisy heterogeneous diffusion processes', *Journal of Chemical Physics*, Vuosikerta. 142, Nro 14, Sivut 144105. <https://doi.org/10.1063/1.4917077>

Chevrier, DM, Raich, L, Rovira, C, Das, A, Luo, Z, Yao, Q, Chatt, A, Xie, J, Jin, R, Akola, J & Zhang, P 2018, 'Molecular-Scale Ligand Effects in Small Gold-Thiolate Nanoclusters', *Journal of the American Chemical Society*, Vuosikerta. 140, Nro 45, Sivut 15430-15436. <https://doi.org/10.1021/jacs.8b09440>

Christophliemk, H, Ullsten, H, Johansson, C & Järnström, L 2017, 'Starch-poly(vinyl alcohol) barrier coatings for flexible packaging paper and their effects of phase interactions', *Progress in Organic Coatings*, Vuosikerta. 111, Sivut 13-22. <https://doi.org/10.1016/j.porgcoat.2017.04.018>

Christophliemk, H, Johansson, C, Ullsten, H & Järnström, L 2017, 'Oxygen and water vapor transmission rates of starch-poly(vinyl alcohol) barrier coatings for flexible packaging paper', *Progress in Organic Coatings*, Vuosikerta. 113, Sivut 218-224. <https://doi.org/10.1016/j.porgcoat.2017.04.019>

Chronopoulos, A, Thorpe, SD, Cortes, E, Lachowski, D, Rice, AJ, Mykuliak, VV, Rog, T, Lee, DA, Hytönen, VP & del Río Hernández, AE 2020, 'Syndecan-4 tunes cell mechanics by activating the kindlin-integrin-RhoA pathway', *Nature Materials*. <https://doi.org/10.1038/s41563-019-0567-1>

Cummins, C, Borah, D, Rasappa, S, Chaudhari, A, Ghoshal, T, O'Driscoll, BMD, Carolan, P, Petkov, N, Holmes, JD & Morris, MA 2013, 'Self-assembly of polystyrene-block-poly(4-vinylpyridine) block copolymer on molecularly functionalized silicon substrates: Fabrication of inorganic nanostructured etchmask for lithographic use', *Journal of Materials Chemistry C*, Vuosikerta. 1, Nro 47, Sivut 7941-7951. <https://doi.org/10.1039/c3tc31498g>

- Czaplicki, R, Mäkitalo, J, Siikaniemi, R, Husu, H, Lehtolahti, J, Kuittinen, M & Kauranen, M 2015, 'Second-Harmonic Generation from Metal Nanoparticles: Resonance Enhancement versus Particle Geometry', *Nano Letters*, Vuosikerta. 15, Nro 1, Sivut 530-534. <https://doi.org/10.1021/nl503901e>
- Czaplicki, R, Kiviniemi, A, Huttunen, MJ, Zang, X, Stolt, T, Vartiainen, I, Butet, J, Kuittinen, M, Martin, OJF & Kauranen, M 2018, 'Less Is More: Enhancement of Second-Harmonic Generation from Metasurfaces by Reduced Nanoparticle Density', *Nano Letters*, Vuosikerta. 18, Nro 12, Sivut 7709-7714. <https://doi.org/10.1021/acs.nanolett.8b03378>
- Danne, R, Poojari, C, Martinez-Seara, H, Rissanen, S, Lolicato, F, Róg, T & Vattulainen, I 2017, 'DoGlycans-Tools for Preparing Carbohydrate Structures for Atomistic Simulations of Glycoproteins, Glycolipids, and Carbohydrate Polymers for GROMACS', *Journal of Chemical Information and Modeling*, Vuosikerta. 57, Nro 10, Sivut 2401-2406. <https://doi.org/10.1021/acs.jcim.7b00237>
- Dantelle, G, Slablab, A, Rondin, L, Lainé, F, Carrel, F, Bergonzo, P, Perruchas, S, Gacoin, T, Treussart, F & Roch, JF 2010, 'Efficient production of NV colour centres in nanodiamonds using high-energy electron irradiation', *Journal of Luminescence*, Vuosikerta. 130, Nro 9, Sivut 1655-1658. <https://doi.org/10.1016/j.jlumin.2009.12.003>
- Das, A, George, JJ, Kutlu, B, Leuteritz, A, Wang, DY, Rooj, S, Jurk, R, Rajeshbabu, R, Stöckelhuber, KW, Galiatsatos, V & Heinrich, G 2012, 'A novel thermotropic elastomer based on highly-filled LDH-SSB composites', *Macromolecular Rapid Communications*, Vuosikerta. 33, Nro 4, Sivut 337-342. <https://doi.org/10.1002/marc.201100735>
- Das, A, Wang, DY, Leuteritz, A, Subramaniam, K, Greenwell, HC, Wagenknecht, U & Heinrich, G 2011, 'Preparation of zinc oxide free, transparent rubber nanocomposites using a layered double hydroxide filler', *Journal of Materials Chemistry*, Vuosikerta. 21, Nro 20, Sivut 7194-7200. <https://doi.org/10.1039/c0jm03784b>
- Das, A, Sallat, A, Böhme, F, Sarlin, E, Vuorinen, J, Vennemann, N, Heinrich, G & Stöckelhuber, KW 2018, 'Temperature scanning stress relaxation of an autonomous self-healing elastomer containing non-covalent reversible network junctions', *Polymers*, Vuosikerta. 10, Nro 1, 94. <https://doi.org/10.3390/polym10010094>
- De Carvalho, SJ, Metzler, R & Cherstvy, AG 2015, 'Inverted critical adsorption of polyelectrolytes in confinement', *Soft Matter*, Vuosikerta. 11, Nro 22, Sivut 4430-4443. <https://doi.org/10.1039/c5sm00635j>
- Dehmer, M & Emmert-Streib, F 2008, 'Structural information content of networks: Graph entropy based on local vertex functionals', *Computational Biology and Chemistry*, Vuosikerta. 32, Nro 2, Sivut 131-138. <https://doi.org/10.1016/j.compbiolchem.2007.09.007>
- Dehmer, M, Emmert-Streib, F, Tsoy, YR & Varmuza, K 2011, Quantifying structural complexity of graphs: Information measures in mathematical chemistry. julkaisussa MV Putz (Toimittaja), *Quantum Frontiers of Atoms and Molecules*. Nova Science Publishers, Inc., Sivut 479-497.
- Dehmer, M, Varmuza, K, Borgert, S & Emmert-Streib, F 2009, 'On entropy-based molecular descriptors: Statistical analysis of real and synthetic chemical structures', *Journal of Chemical Information and Modeling*, Vuosikerta. 49, Nro 7, Sivut 1655-1663. <https://doi.org/10.1021/ci900060x>
- Dehmer, M & Emmert-Streib, F 2008, 'The structural information content of chemical networks', *Zeitschrift für Naturforschung Section A: A Journal of Physical Sciences*, Vuosikerta. 63, Nro 3-4, Sivut 155-158.
- Deng, Y, Alicea-Velázquez, NL, Bannwarth, L, Lehtonen, SI, Boggon, TJ, Cheng, HC, Hytönen, VP & Turk, BE 2014, 'Global analysis of human nonreceptor tyrosine kinase specificity using high-density peptide microarrays', *Journal of Proteome Research*, Vuosikerta. 13, Nro 10, Sivut 4339-4346. <https://doi.org/10.1021/pr500503q>
- Dessi, P, Porca, E, Haavisto, J, Lakaniemi, A-M, Collins, G & Lens, PNL 2018, 'Composition and role of the attached and planktonic microbial communities in mesophilic and thermophilic xylose-fed microbial fuel cells', *RSC Advances*, Vuosikerta. 8, Nro 6, Sivut 3069-3080. <https://doi.org/10.1039/c7ra12316g>

- Dhieb, AC, Valkonen, A, Rzaigui, M & Smirani, W 2015, 'Synthesis, crystal structure, physico-chemical characterization and dielectric properties of a new hybrid material, 1-Ethylpiperazine-1,4-dium tetrachlorocadmate', *Journal of Molecular Structure*, Vuosikerta. 1102, Sivut 50-56. <https://doi.org/10.1016/j.molstruc.2015.08.044>
- Diban, N, Haimi, SP, Bolhuis-Versteeg, L, Teixeira, S, Miettinen, S, Poot, AA, Grijpma, DW & Stamatialis, D 2013, 'Effect of surface morphology of poly(ϵ -caprolactone) scaffolds on adipose stem cell adhesion and proliferation', *Macromolecular symposia*, Vuosikerta. 334, Nro 1, Sivut 126-132. <https://doi.org/10.1002/masy.201300106>
- Diban, N, Haimi, S, Bolhuis-Versteeg, L, Teixeira, S, Miettinen, S, Poot, A, Grijpma, D & Stamatialis, D 2013, 'Development and characterization of poly(ϵ -caprolactone) hollow fiber membranes for vascular tissue engineering', *Journal of Membrane Science*, Vuosikerta. 438, Sivut 29-37. <https://doi.org/10.1016/j.memsci.2013.03.024>
- Di Capua, F, Papirio, S, Lens, PNL & Esposito, G 2015, 'Chemolithotrophic denitrification in biofilm reactors', *Chemical Engineering Journal*, Vuosikerta. 280, Sivut 643-657. <https://doi.org/10.1016/j.cej.2015.05.131>
- Doddapaneni, TRKC, Jain, R, Praveenkumar, R, Rintala, J, Romar, H & Konttinen, J 2018, 'Adsorption of furfural from torrefaction condensate using torrefied biomass', *Chemical Engineering Journal*, Vuosikerta. 334, Sivut 558-568. <https://doi.org/10.1016/j.cej.2017.10.053>
- Donadei, V, Koivuluoto, H, Sarlin, E & Vuoristo, P 2020, 'Lubricated icephobic coatings prepared by flame spraying with hybrid feedstock injection', *Surface and Coatings Technology*, Vuosikerta. 403, 126396. <https://doi.org/10.1016/j.surfcoat.2020.126396>
- Durandin, NA, Isokuortti, J, Efimov, A, Vuorimaa-Laukkanen, E, Tkachenko, NV & Laaksonen, T 2018, 'Efficient photon upconversion at remarkably low annihilator concentrations in a liquid polymer matrix: when less is more', *Chemical Communications*, Vuosikerta. 54, Nro 99, Sivut 14029-14032. <https://doi.org/10.1039/c8cc07592a>
- D'Urso, L, Condorelli, M, Puglisi, O, Tempra, C, Lolicato, F, Compagnini, G & La Rosa, C 2018, 'Detection and characterization at nM concentration of oligomers formed by hIAPP, A β (1-40) and their equimolar mixture using SERS and MD simulations', *Physical Chemistry Chemical Physics*, Vuosikerta. 20, Nro 31, Sivut 20588-20596. <https://doi.org/10.1039/c7cp08552d>
- Dzieciuch, M, Rissanen, S, Szydłowska, N, Bunker, A, Kumorek, M, Jamróz, D, Vattulainen, I, Nowakowska, M, Róg, T & Kepczynski, M 2015, 'PEGylated liposomes as carriers of hydrophobic porphyrins', *Journal of Physical Chemistry Part B*, Vuosikerta. 119, Nro 22, Sivut 6646-6657. <https://doi.org/10.1021/acs.jpcc.5b01351>
- Eklund, A, Zhang, H, Zeng, H, Priimägi, A & Ikkala, O 2020, 'Fast Switching of Bright Whiteness in Channeled Hydrogel Networks', *Advanced Functional Materials*. <https://doi.org/10.1002/adfm.202000754>
- Enkavi, G, Li, J, Wen, P, Thangapandian, S, Moradi, M, Jiang, T, Han, W & Tajkhorshid, E 2014, 'A microscopic view of the mechanisms of active transport across the cellular membrane', *Annual Reports in Computational Chemistry*, Vuosikerta. 10, Sivut 77-125. <https://doi.org/10.1016/B978-0-444-63378-1.00004-5>
- Enkavi, G, Javanainen, M, Kulig, W, Róg, T & Vattulainen, I 2019, 'Multiscale Simulations of Biological Membranes: The Challenge To Understand Biological Phenomena in a Living Substance', *Chemical Reviews*, Vuosikerta. 119, Nro 9, Sivut 5607-5774. <https://doi.org/10.1021/acs.chemrev.8b00538>
- Eregowda, T, Rene, ER, Rintala, J & Lens, PNL 2019, 'Volatile fatty acid adsorption on anion exchange resins: kinetics and selective recovery of acetic acid', *Separation Science and Technology (Philadelphia)*. <https://doi.org/10.1080/01496395.2019.1600553>
- Eshwaran, SB, Basu, D, Vaikuntam, SR, Kutlu, B, Wiessner, S, Das, A, Naskar, K & Heinrich, G 2015, 'Exploring the role of stearic acid in modified zinc aluminum layered double hydroxides and their acrylonitrile butadiene rubber nanocomposites', *Journal of Applied Polymer Science*, Vuosikerta. 132, Nro 9, 41539. <https://doi.org/10.1002/app.41539>

Evans, DM, Holstad, TS, Mosberg, AB, Småbråten, DR, Vullum, PE, Dadlani, AL, Shapovalov, K, Yan, Z, Bourret, E, Gao, D, Akola, J, Torgersen, J, van Helvoort, ATJ, Selbach, SM & Meier, D 2020, 'Conductivity control via minimally invasive anti-Frenkel defects in a functional oxide', *Nature Materials*. <https://doi.org/10.1038/s41563-020-0765-x>

Fabert, M, Ojha, N, Erasmus, E, Hannula, M, Hokka, M, Hyttinen, J, Rocherullé, J, Sigalas, I & Massera, J 2017, 'Crystallization and sintering of borosilicate bioactive glasses for application in tissue engineering', *Journal of Materials Chemistry B*, Vuosikerta. 5, Nro 23, Sivut 4514-4525. <https://doi.org/10.1039/c7tb00106a>

Fafarman, AT, Hong, SH, Caglayan, H, Ye, X, Diroll, BT, Paik, T, Engheta, N, Murray, CB & Kagan, CR 2013, 'Chemically tailored dielectric-to-metal transition for the design of metamaterials from nanoimprinted colloidal nanocrystals', *Nano Letters*, Vuosikerta. 13, Nro 2, Sivut 350-357. <https://doi.org/10.1021/nl303161d>

Fantozzi, D, Matikainen, V, Uusitalo, M, Koivuluoto, H & Vuoristo, P 2019, 'Chlorine induced high-temperature corrosion mechanisms in HVOF and HVAF sprayed Cr₃C₂-based hardmetal coatings', *Corrosion Science*. <https://doi.org/10.1016/j.corsci.2019.108166>

Farooq, A, Evreinov, G, Raisamo, R & Takahata, D 2015, Evaluating transparent liquid screen overlay as a haptic conductor: Method of enhancing touchscreen based user interaction by a transparent deformable liquid screen overlay. julkaisussa *2015 IEEE SENSORS - Proceedings.*, 7370186, Institute of Electrical and Electronics Engineers Inc., Busan, Etelä-Korea, 1/11/15. <https://doi.org/10.1109/ICSENS.2015.7370186>

Fatarelle, E, Mylläri, V, Ruzzante, M, Pogni, R, Baratto, MC, Skrifvars, M, Syrjälä, S & Järvelä, P 2015, 'Sulfonated polyetheretherketone/polypropylene polymer blends for the production of photoactive materials', *Journal of Applied Polymer Science*, Vuosikerta. 132, Nro 8, 41509. <https://doi.org/10.1002/app.41509>

Fernandez-Palacio, F, Saccone, M, Priimägi, A, Terraneo, G, Pilati, T, Metrangolo, P & Resnati, G 2016, 'Coordination networks incorporating halogen-bond donor sites and azobenzene groups', *CrystEngComm*, Vuosikerta. 18, Nro 13, Sivut 2251-2257. <https://doi.org/10.1039/c6ce00059b>

Ferreira, SA, Motwani, MS, Faull, PA, Seymour, AJ, Yu, TTL, Enayati, M, Taheem, DK, Salzlechner, C, Haghighi, T, Kania, EM, Oommen, OP, Ahmed, T, Loaiza, S, Parzych, K, Dazzi, F, Varghese, OP, Festy, F, Grigoriadis, AE, Auner, HW, Snijders, AP, Bozec, L & Gentleman, E 2018, 'Bi-directional cell-pericellular matrix interactions direct stem cell fate', *Nature Communications*, Vuosikerta. 9, Nro 1, 4049. <https://doi.org/10.1038/s41467-018-06183-4>

Figueira, J, Czardybon, W, Mesquita, JC, Rodrigues, J, Lahoz, F, Russo, L, Valkonen, A & Rissanen, K 2015, 'Synthesis, characterization and solid-state photoluminescence studies of six alkoxy phenylene ethynylene dinuclear palladium(ii) rods', *DALTON TRANSACTIONS*, Vuosikerta. 44, Nro 9, Sivut 4003-4015. <https://doi.org/10.1039/c4dt00493k>

Frankberg, EJ, George, L, Efimov, A, Honkanen, M, Pessi, J & Levänen, E 2015, 'Measuring synthesis yield in graphene oxide synthesis by modified hummers method', *Fullerenes Nanotubes and Carbon Nanostructures*, Vuosikerta. 23, Nro 9, Sivut 755-759. <https://doi.org/10.1080/1536383X.2014.993754>

Franzén, R 2000, 'The Suzuki, the Heck, and the Stille reaction - Three versatile methods, for the introduction of new C-C bonds on solid support', *Canadian Journal of Chemistry - Revue Canadienne de Chimie*, Vuosikerta. 78, Nro 7, Sivut 957-962. <https://doi.org/10.1139/v00-089>

Franzén, RG 2000, 'Recent advances in the preparation of heterocycles on solid support: A review of the literature', *Journal of Combinatorial Chemistry*, Vuosikerta. 2, Nro 3, Sivut 195-214. <https://doi.org/10.1021/cc000002f>

Franzén, RG 2000, 'Utilization of Grignard reagents in solid-phase synthesis: A review of the literature', *Tetrahedron*, Vuosikerta. 56, Nro 5, Sivut 685-691. [https://doi.org/10.1016/S0040-4020\(99\)00963-1](https://doi.org/10.1016/S0040-4020(99)00963-1)

- Franzén, R, Morita, M, Tanabe, K, Takagi, H & Shibata, Y 1997, 'Investigation of the adducts formed by reaction of butenedioic acids with adenosine', *Chemical Research in Toxicology*, Vuosikerta. 10, Nro 10, Sivut 1186-1191. <https://doi.org/10.1021/tx970036d>
- Franzén, R & Kronberg, L 1995, 'Synthesis of chlorinated 5-hydroxy 4-methyl-2(5H)-furanones and mucochloric acid', *Tetrahedron Letters*, Vuosikerta. 36, Nro 22, Sivut 3905-3908. [https://doi.org/10.1016/0040-4039\(95\)00638-S](https://doi.org/10.1016/0040-4039(95)00638-S)
- Frochot, C, Barberi-Heyob, M, Blanchard-Desce, M, Bolotine, L, Bonneau, S, Jimenez, CM, Durand, JO, Lassalle, HP, Lemerrier, G, Mordon, S, Maillard, P, Sol, V, Vever-Bizet, C & Vicendo, P 2015, 'La thérapie photodynamique: État de l'art et perspectives', *ACTUALITE CHIMIQUE*, Nro 397-398, Sivut 46-50.
- Gao, W, Feng, Y, Lu, J, Khan, M & Guo, J 2012, 'Biomimetic surface modification of polycarbonateurethane film via phosphorylcholine-graft for resisting platelet adhesion', *Macromolecular Research*, Vuosikerta. 20, Nro 10, Sivut 1063-1069. <https://doi.org/10.1007/s13233-012-0152-9>
- Garifullin, M, Sinelnikov, A, Bronzova, M, Kovacic, B & Kamnik, R 2016, 'Buckling Behavior of Cold-Formed Studs with Thermal Perforations', *MATEC Web of Conferences*, Vuosikerta. 73, 04011. <https://doi.org/10.1051/mateconf/20167304011>
- Garifullin, M 2018, 'Experimental moment resistance of rectangular hollow section T joints', *MATEC Web of Conferences*, Vuosikerta. 245, 08003. <https://doi.org/10.1051/mateconf/201824508003>
- Gebraad, AWH, Miettinen, S, Grijpma, DW & Haimi, SP 2013, 'Human adipose stem cells in chondrogenic differentiation medium without growth factors differentiate towards annulus fibrosus phenotype in vitro', *Macromolecular symposia*, Vuosikerta. 334, Nro 1, Sivut 49-56. <https://doi.org/10.1002/masy.201300104>
- George, L, Hiltunen, A, Santala, V & Efimov, A 2018, 'Photo-antimicrobial efficacy of zinc complexes of porphyrin and phthalocyanine activated by inexpensive consumer LED lamp', *Journal of Inorganic Biochemistry*, Vuosikerta. 183, Sivut 94-100. <https://doi.org/10.1016/j.jinorgbio.2018.03.015>
- Gerlofs-Nijland, ME, Totlandsdal, AI, Tzamkiozis, T, Leseman, DLAC, Samaras, Z, Låg, M, Schwarze, P, Ntziachristos, L & Cassee, FR 2013, 'Cell toxicity and oxidative potential of engine exhaust particles: Impact of using particulate filter or biodiesel fuel blend', *Environmental Science and Technology*, Vuosikerta. 47, Nro 11, Sivut 5931-5938. <https://doi.org/10.1021/es305330y>
- German, SJ, Behbahani, M, Miettinen, S, Grijpma, DW & Haimi, SP 2013, 'Proliferation and differentiation of adipose stem cells towards smooth muscle cells on poly(trimethylene carbonate) membranes', *Macromolecular symposia*, Vuosikerta. 334, Nro 1, Sivut 133-142. <https://doi.org/10.1002/masy.201300100>
- Ghalibaf, M, Doddapaneni, TRKC & Alén, R 2019, 'Pyrolytic behavior of lignocellulosic-based polysaccharides', *Journal of Thermal Analysis and Calorimetry*, Vuosikerta. 137, Nro 1, Sivut 121-131. <https://doi.org/10.1007/s10973-018-7919-y>
- Ghorbani, M, Dehmer, M, Mowshowitz, A, Tao, J & Emmert-Streib, F 2019, 'The Hosoya entropy of graphs revisited', *Symmetry*, Vuosikerta. 11, Nro 8, 1013. <https://doi.org/10.3390/sym11081013>
- Ghosh, SK, Cherstvy, AG & Metzler, R 2015, 'Non-universal tracer diffusion in crowded media of non-inert obstacles', *Physical Chemistry Chemical Physics*, Vuosikerta. 17, Nro 3, Sivut 1847-1858. <https://doi.org/10.1039/c4cp03599b>
- Giammarco, J, Zdyrko, B, Petit, L, Musgraves, JD, Hu, J, Agarwal, A, Kimerling, L, Richardson, K & Luzinov, I 2011, 'Towards universal enrichment nanocoating for IR-ATR waveguides', *Chemical Communications*, Vuosikerta. 47, Nro 32, Sivut 9104-9106. <https://doi.org/10.1039/c1cc12780b>
- Giammarco, JM, Zdyrko, B, Hu, J, Agarwal, A, Kimerling, L, Carlie, N, Petit, L, Richardson, K & Luzinov, I 2011, 'Enrichment polymer layers for detection of volatile vapors by ATR FT-IR', *ACS National Meeting Book of Abstracts*.

Gilardi, G, Asquini, R, D'Alessandro, A & Assanto, G 2011, 'An electro-optically tunable Bragg reflector based on liquid crystals', *Molecular Crystals and Liquid Crystals*, Vuosikerta. 549, Sivut 62-68. <https://doi.org/10.1080/15421406.2011.581137>

Gil-Gallegos, S, Klages, R, Solanpää, J & Räsänen, E 2019, 'Energy-dependent diffusion in a soft periodic Lorentz gas', *European Physical Journal: Special Topics*, Vuosikerta. 228, Nro 1, Sivut 143-160. <https://doi.org/10.1140/epjst/e2019-800136-8>

Gladich, I, Pfalzgraff, W, Maršálek, O, Jungwirth, P, Roeselová, M & Neshyba, S 2011, 'Arrhenius analysis of anisotropic surface self-diffusion on the prismatic facet of ice', *Physical Chemistry Chemical Physics*, Vuosikerta. 13, Nro 44, Sivut 19960-19969. <https://doi.org/10.1039/c1cp22238d>

Goh, J-Q, Malola, S, Häkkinen, H & Akola, J 2015, 'Silver sulfide nanoclusters and the superatom model', *Journal of Physical Chemistry C*, Vuosikerta. 119, Nro 3, Sivut 1583-1590. <https://doi.org/10.1021/jp511037x>

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

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

Golovanov, V, Golovanova, V & Rantala, TT 2016, 'Thermal desorption of molecular oxygen from SnO₂ (110) surface: Insights from first-principles calculations', *Journal of Physics and Chemistry of Solids*, Vuosikerta. 89, Sivut 15-22. <https://doi.org/10.1016/j.jpcs.2015.10.010>

Golovanov, VV, Nazarchuk, BV, Golovanova, VV, Tkachenko, NV & Rantala, TT 2017, 'Effects of orientation at the phthalocyanine-CdSe interface on the electron transfer characteristics', *Physical Chemistry Chemical Physics*, Vuosikerta. 19, Nro 16, Sivut 10511-10517. <https://doi.org/10.1039/c7cp00833c>

Gordon, TR, Paik, T, Klein, DR, Naik, GV, Caglayan, H, Boltasseva, A & Murray, CB 2013, 'Shape-dependent plasmonic response and directed self-assembly in a new semiconductor building block, indium-doped cadmium oxide (ICO)', *Nano Letters*, Vuosikerta. 13, Nro 6, Sivut 2857-2863. <https://doi.org/10.1021/nl4012003>

Goulet-Hanssens, A, Corkery, TC, Priimagi, A & Barrett, CJ 2014, 'Effect of head group size on the photoswitching applications of azobenzene Disperse Red 1 analogues', *Journal of Materials Chemistry C*, Vuosikerta. 2, Nro 36, Sivut 7505-7512. <https://doi.org/10.1039/c4tc00996g>

Guglielmetti, S, Santala, V, Mangayil, R, Ciranna, A & Karp, MT 2019, 'O₂-requiring molecular reporters of gene expression for anaerobic microorganisms', *Biosensors and Bioelectronics*, Vuosikerta. 123, Sivut 1-6. <https://doi.org/10.1016/j.bios.2018.09.066>

Guixà-González, R, Albasanz, JL, Rodriguez-Espigares, I, Pastor, M, Sanz, F, Martí-Solano, M, Manna, M, Martínez-Seara, H, Hildebrand, PW, Martín, M & Selent, J 2017, 'Membrane cholesterol access into a G-protein-coupled receptor', *Nature Communications*, Vuosikerta. 8, 14505. <https://doi.org/10.1038/ncomms14505>

Gurtovenko, AA, Javanainen, M, Lolicato, F & Vattulainen, I 2019, 'The Devil Is in the Details: What Do We Really Track in Single-Particle Tracking Experiments of Diffusion in Biological Membranes?', *Journal of Physical Chemistry Letters*, Vuosikerta. 10, Nro 5, Sivut 1005-1011. <https://doi.org/10.1021/acs.jpcllett.9b00065>

Haavisto, J, Dessì, P, Chatterjee, P, Honkanen, M, Noori, MT, Kokko, M, Lakaniemi, AM, Lens, PNL & Puhakka, JA 2019, 'Effects of anode materials on electricity production from xylose and treatability of TMP wastewater in an up-flow microbial fuel cell', *Chemical Engineering Journal*, Vuosikerta. 372, Sivut 141-150. <https://doi.org/10.1016/j.cej.2019.04.090>

Haavisto, JM, Kokko, ME, Lakaniemi, AM, Sulonen, MLK & Puhakka, JA 2020, 'The effect of start-up on energy recovery and compositional changes in brewery wastewater in bioelectrochemical systems', *BIOELECTROCHEMISTRY*, Vuosikerta. 132, 107402. <https://doi.org/10.1016/j.bioelechem.2019.107402>

Hajdu-Rahkama, R, Özkaya, B, Lakaniemi, AM & Puhakka, JA 2020, 'Kinetics and modelling of thiosulphate biotransformations by haloalkaliphilic Thioalkalivibrio versutus', *Chemical Engineering Journal*, Vuosikerta. 401, 126047. <https://doi.org/10.1016/j.cej.2020.126047>

Hakkarainen, TV, Schramm, A, Mäkelä, J, Laukkanen, P & Guina, M 2015, 'Lithography-free oxide patterns as templates for self-catalyzed growth of highly uniform GaAs nanowires on Si(111)', *Nanotechnology*, Vuosikerta. 26, Nro 27, 275301. <https://doi.org/10.1088/0957-4484/26/27/275301>

Häkkinen, MR, Roine, A, Auriola, S, Tuokko, A, Veskimäe, E, Keinänen, TA, Lehtimäki, T, Oksala, N & Vepsäläinen, J 2013, 'Analysis of free, mono- and diacetylated polyamines from human urine by LC-MS/MS', *JOURNAL OF CHROMATOGRAPHY B: ANALYTICAL TECHNOLOGIES IN THE BIOMEDICAL AND LIFE SCIENCES*, Vuosikerta. 941, Sivut 81-89. <https://doi.org/10.1016/j.jchromb.2013.10.009>

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

Halder, A, Kandambeth, S, Biswal, BP, Kaur, G, Roy, NC, Addicoat, M, Salunke, JK, Banerjee, S, Vanka, K, Heine, T, Verma, S & Banerjee, R 2016, 'Decoding the Morphological Diversity in Two Dimensional Crystalline Porous Polymers by Core Planarity Modulation', *Angewandte Chemie (International Edition)*, Vuosikerta. 55, Nro 27, Sivut 7806-7810. <https://doi.org/10.1002/anie.201600087>

Hannula, M, Ali-Löytty, H, Lahtonen, K, Sarlin, E, Saari, J & Valden, M 2018, 'Improved Stability of Atomic Layer Deposited Amorphous TiO₂ Photoelectrode Coatings by Thermally Induced Oxygen Defects', *Chemistry of Materials*, Vuosikerta. 30, Nro 4, Sivut 1199-1208. <https://doi.org/10.1021/acs.chemmater.7b02938>

Härkönen, HH, Mattsson, JM, Määttä, JAE, Stenman, UH, Koistinen, H, Matero, S, Windshügel, B, Poso, A & Lahtela-Kakkonen, M 2011, 'The Discovery of Compounds That Stimulate the Activity of Kallikrein-Related Peptidase3 (KLK3)', *CHEMMEDCHEM*, Vuosikerta. 6, Nro 12, Sivut 2170-2178. <https://doi.org/10.1002/cmdc.201100349>

Harra, J, Tuominen, M, Juuti, P, Rissler, J, Koivuluoto, H, Haapanen, J, Niemelä-Anttonen, H, Stenroos, C, Teisala, H, Lahti, J, Kuusipalo, J, Vuoristo, P & Mäkelä, JM 2018, 'Characteristics of nFOG, an aerosol-based wet thin film coating technique', *Journal of Coatings Technology Research*, Vuosikerta. 15, Nro 3, Sivut 623-632. <https://doi.org/10.1007/s11998-017-0022-7>

He, X, Benniston, AC, Saarenpää, H, Lemmetyinen, H, Tkachenko, NV & Baisch, U 2015, 'Polymorph crystal packing effects on charge transfer emission in the solid state', *Chemical Science*, Vuosikerta. 6, Nro 6, Sivut 3525-3532. <https://doi.org/10.1039/c5sc01151e>

He, H, Chen, X, Mehmood, A, Raivio, L, Huttunen, H, Raunonen, P & Virkki, J 2020, 'ClothFace: A Batteryless RFID-Based Textile Platform for Handwriting Recognition', *Sensors (Basel, Switzerland)*, Vuosikerta. 20, Nro 17, 4878. <https://doi.org/10.3390/s20174878>

Heijne, AT, Liu, D, Sulonen, M, Sleutels, T & Fabregat-Santiago, F 2018, 'Quantification of bio-anode capacitance in bioelectrochemical systems using Electrochemical Impedance Spectroscopy', *Journal of Power Sources*, Vuosikerta. 400, Sivut 533-538. <https://doi.org/10.1016/j.jpowsour.2018.08.003>

Heikkinen, JJ, Kivimäki, L, Määttä, JAE, Mäkelä, I, Hakalahti, L, Takkinen, K, Kulomaa, MS, Hytönen, VP & Hormi, OEO 2011, 'Versatile bio-ink for covalent immobilization of chimeric avidin on sol-gel substrates', *Colloids and Surfaces B: Biointerfaces*, Vuosikerta. 87, Nro 2, Sivut 409-414. <https://doi.org/10.1016/j.colsurfb.2011.05.052>

Heyda, J, Kožíšek, M, Bednárova, L, Thompson, G, Konvalinka, J, Vondrášek, J & Jungwirth, P 2011, 'Urea and guanidinium induced denaturation of a Trp-cage miniprotein', *Journal of Physical Chemistry Part B*, Vuosikerta. 115, Nro 28, Sivut 8910-8924. <https://doi.org/10.1021/jp200790h>

Higashino, T, Yamada, T, Yamamoto, M, Furube, A, Tkachenko, NV, Miura, T, Kobori, Y, Jono, R, Yamashita, K & Imahori, H 2016, 'Remarkable Dependence of the Final Charge Separation Efficiency on the Donor-Acceptor Interaction in Photoinduced Electron Transfer', *Angewandte Chemie (International Edition)*, Vuosikerta. 55, Nro 2, Sivut 629-633. <https://doi.org/10.1002/anie.201509067>

Higashino, T, Nakatsuji, H, Fukuda, R, Okamoto, H, Imai, H, Matsuda, T, Tochio, H, Shirakawa, M, Tkachenko, NV, Hashida, M, Murakami, T & Imahori, H 2017, 'Hexaphyrin as a Potential Theranostic Dye for Photothermal Therapy and ¹⁹F Magnetic Resonance Imaging', *ChemBioChem*, Vuosikerta. 18, Nro 10, Sivut 951-959. <https://doi.org/10.1002/cbic.201700071>

Hilskka, J, Koivusalo, E, Puustinen, J, Suomalainen, S & Guina, M 2019, 'Epitaxial phases of high Bi content GaSbBi alloys', *Journal of Crystal Growth*, Vuosikerta. 516, Sivut 67-71. <https://doi.org/10.1016/j.jcrysgro.2019.03.028>

Hiltunen, A, Ruoko, T-P, Iivonen, T, Lahtonen, K, Ali-Löytty, H, Sarlin, E, Valden, M, Leskelä, M & Tkachenko, N 2018, 'Design aspects of all atomic layer deposited TiO₂-Fe₂O₃ scaffold-absorber photoanodes for water splitting', *Sustainable Energy & Fuels*, Vuosikerta. 2, Nro 9, Sivut 2124-2130. <https://doi.org/10.1039/C8SE00252E>

Hladilkova, J, Prokop, Z, Chaloupkova, R, Damborsky, J & Jungwirth, P 2013, 'Release of halide ions from the buried active site of the haloalkane dehalogenase LinB revealed by stopped-flow fluorescence analysis and free energy calculations', *Journal of Physical Chemistry Part B*, Vuosikerta. 117, Nro 46, Sivut 14329-14335. <https://doi.org/10.1021/jp409040u>

Hladílková, J, Fischer, HE, Jungwirth, P & Mason, PE 2015, 'Hydration of hydroxyl and amino groups examined by molecular dynamics and neutron scattering', *Journal of Physical Chemistry Part B*, Vuosikerta. 119, Nro 21, Sivut 6357-6365. <https://doi.org/10.1021/jp510528u>

Holmstedt, S & Candeias, NR 2020, 'A concise synthesis of carbasugars isolated from *Streptomyces lincolnsis*', *Tetrahedron*. <https://doi.org/10.1016/j.tet.2020.131346>

Honkanen, M, Hansen, TW, Jiang, H, Kärkkäinen, M, Huuhtanen, M, Heikkinen, O, Kallinen, K, Lahtinen, J, Keiski, RL, Wagner, JB & Vippola, M 2017, 'Electron microscopic studies of natural gas oxidation catalyst – Effects of thermally accelerated aging on catalyst microstructure', *Journal of Catalysis*, Vuosikerta. 349, Sivut 19-29. <https://doi.org/10.1016/j.jcat.2017.03.003>

Honkanen, M, Wang, J, Kärkkäinen, M, Huuhtanen, M, Jiang, H, Kallinen, K, Keiski, RL, Akola, J & Vippola, M 2018, 'Regeneration of sulfur-poisoned Pd-based catalyst for natural gas oxidation', *Journal of Catalysis*, Vuosikerta. 358, Sivut 253-265. <https://doi.org/10.1016/j.jcat.2017.12.021>

Horinouchi, H, Sakai, H, Araki, Y, Sakanoue, T, Takenobu, T, Wada, T, Tkachenko, NV & Hasobe, T 2016, 'Controllable Electronic Structures and Photoinduced Processes of Bay-Linked Perylene_{3,9}-diimide Dimers and a Ferrocene-Linked Triad', *Chemistry: A European Journal*, Vuosikerta. 22, Nro 28, Sivut 9631-9641. <https://doi.org/10.1002/chem.201601058>

Hukka, JJ & Katko, TS 2015, 'Appropriate pricing policy needed worldwide for improving water services infrastructure', *Journal American Water Works Association*, Vuosikerta. 107, Nro 1, Sivut E37-E46. <https://doi.org/10.5942/jawwa.2015.107.0007>

Huttunen-Saarivirta, E, Isotahdon, E, Metsäjoki, J, Salminen, T, Carpén, L & Ronkainen, H 2018, 'Tribocorrosion behaviour of aluminium bronze in 3.5 wt.% NaCl solution', *Corrosion Science*, Vuosikerta. 144, Sivut 207-223. <https://doi.org/10.1016/j.corsci.2018.08.058>

Hytönen, VP & Wehrle-Haller, B 2014, 'Protein conformation as a regulator of cell-matrix adhesion', *Physical Chemistry Chemical Physics*, Vuosikerta. 16, Nro 14, Sivut 6342-6357. <https://doi.org/10.1039/c3cp54884h>

Hyväluoma, J, Hannula, M, Arstila, K, Wang, H, Kulju, S & Rasa, K 2018, 'Effects of pyrolysis temperature on the hydrologically relevant porosity of willow biochar', *Journal of Analytical and Applied Pyrolysis*, Vuosikerta. 134. <https://doi.org/10.1016/j.jaap.2018.07.011>

Hyvönen, M, Ala-Korpela, M, Vaara, J, Rantala, TT & Jokisaari, J 1997, 'Inequivalence of single CH_a and CH_b methylene bonds in the interior of a diunsaturated lipid bilayer from a molecular dynamics simulation', *Chemical Physics Letters*, Vuosikerta. 268, Nro 1-2, Sivut 55-60. [https://doi.org/10.1016/S0009-2614\(97\)00171-1](https://doi.org/10.1016/S0009-2614(97)00171-1)

Hyvönen, M, Ala-Korpela, M, Vaara, J, Rantala, TT & Jokisaari, J 1995, 'Effects of two double bonds on the hydrocarbon interior of a phospholipid bilayer', *Chemical Physics Letters*, Vuosikerta. 246, Nro 3, Sivut 300-306. [https://doi.org/10.1016/0009-2614\(95\)01113-N](https://doi.org/10.1016/0009-2614(95)01113-N)

Iantovics, LB, Dehmer, M & Emmert-Streib, F 2018, 'MetrIntSimil-an accurate and robust metric for comparison of similarity in intelligence of any number of cooperative multiagent systems', *Symmetry*, Vuosikerta. 10, Nro 2, 48. <https://doi.org/10.3390/sym10020048>

Ihalainen, TO, Aires, L, Herzog, FA, Schwartlander, R, Moeller, J & Vogel, V 2015, 'Differential basal-to-apical accessibility of lamin A/C epitopes in the nuclear lamina regulated by changes in cytoskeletal tension', *Nature Materials*, Vuosikerta. 14, Nro 12, Sivut 1252-1261. <https://doi.org/10.1038/nmat4389>

Isakov, M, Kokkonen, J, Östman, K & Kuokkala, V-T 2016, 'Strain rate change tests with the Split Hopkinson Bar method', *European Physical Journal. Special Topics*, Vuosikerta. 225, Nro 2, Sivut 231-242. <https://doi.org/10.1140/epjst/e2015-99999-x>

Isakov, M, Matikainen, V, Koivuluoto, H & May, M 2017, 'Systematic analysis of coating-substrate interactions in the presence of flow localization', *Surface and Coatings Technology*, Vuosikerta. 324, Sivut 264-280. <https://doi.org/10.1016/j.surfcoat.2017.05.040>

Isca, VMS, Ferreira, RJ, Garcia, C, Monteiro, CM, Dinic, J, Holmstedt, S, André, V, Pesic, M, Dos Santos, DJVA, Candeias, NR, Afonso, CAM & Rijo, P 2020, 'Molecular Docking Studies of Royleanone Diterpenoids from *Plectranthus* spp. as P-Glycoprotein Inhibitors', *ACS MEDICINAL CHEMISTRY LETTERS*, Vuosikerta. 11, Nro 5, Sivut 839-845. <https://doi.org/10.1021/acsmedchemlett.9b00642>

Isoniemi, T, Tuukkanen, S, Cameron, DC, Simonen, J & Toppari, JJ 2015, 'Measuring optical anisotropy in poly(3,4-ethylene dioxythiophene): poly(styrene sulfonate) films with added graphene', *Organic Electronics*, Vuosikerta. 25, Sivut 317-323. <https://doi.org/10.1016/j.orgel.2015.06.037>, <https://doi.org/10.1016/j.orgel.2015.06.037>

Isotahdon, E, Huttunen-Saarivirta, E & Kuokkala, V-T 2016, 'Development of Magnetic Losses During Accelerated Corrosion Tests for Nd-Fe-B Magnets Used in Permanent Magnet Generators', *Corrosion*, Vuosikerta. 72, Nro 6, Sivut 732-741. <https://doi.org/10.5006/2037>

Itävuo, P, Hulthén, E & Vilkkö, M 2017, 'Feed-hopper level estimation and control in cone crushers', *Minerals Engineering*, Vuosikerta. 110, Sivut 82-95. <https://doi.org/10.1016/j.mineng.2017.04.010>

Itävuo, P, Hulthén, E, Yahyaei, M & Vilkkö, M 2019, 'Mass balance control of crushing circuits', *Minerals Engineering*, Vuosikerta. 135, Sivut 37-47. <https://doi.org/10.1016/j.mineng.2019.02.033>

Iyer, S, Rissanen, MP & Kurtén, T 2019, 'Reaction between Peroxy and Alkoxy Radicals Can Form Stable Adducts', *Journal of Physical Chemistry Letters*, Vuosikerta. 10, Nro 9, Sivut 2051-2057. <https://doi.org/10.1021/acs.jpcl.9b00405>

Izdebskaya, Y, Shvedov, V, Assanto, G & Krolikowski, W 2017, 'Magnetic routing of light-induced waveguides', *Nature Communications*, Vuosikerta. 8, 14452. <https://doi.org/10.1038/ncomms14452>

Jagoda-Cwiklik, B, Cwiklik, L & Jungwirth, P 2011, 'Behavior of the eigen form of hydronium at the air/water interface', *Journal of Physical Chemistry A*, Vuosikerta. 115, Nro 23, Sivut 5881-5886. <https://doi.org/10.1021/jp110078s>

Jain, R, Dominic, D, Jordan, N, Rene, ER, Weiss, S, van Hullebusch, ED, Hübner, R & Lens, PNL 2016, 'Preferential adsorption of Cu in a multi-metal mixture onto biogenic elemental selenium nanoparticles', *Chemical Engineering Journal*, Vuosikerta. 284, Sivut 917-925. <https://doi.org/10.1016/j.cej.2015.08.144>

Jain, R, Van Hullebusch, ED, Lenz, M & Farges, F 2017, Understanding selenium biogeochemistry in engineered ecosystems: Transformation and analytical methods. julkaisussa *Bioremediation of Selenium Contaminated Wastewater*. Springer International Publishing, Sivut 33-56. https://doi.org/10.1007/978-3-319-57831-6_2

Janka, L, Norpoth, J, Trache, R & Berger, LM 2016, 'Influence of heat treatment on the abrasive wear resistance of a Cr₃C₂NiCr coating deposited by an ethene-fuelled HVOF spray process', *Surface and Coatings Technology*, Vuosikerta. 291, Sivut 444-451. <https://doi.org/10.1016/j.surfcoat.2016.02.066>

Janka, L, Berger, LM, Norpoth, J, Trache, R, Thiele, S, Tomastik, C, Matikainen, V & Vuoristo, P 2018, 'Improving the high temperature abrasion resistance of thermally sprayed Cr₃C₂-NiCr coatings by WC addition', *Surface and Coatings Technology*, Vuosikerta. 337, Sivut 296-305. <https://doi.org/10.1016/j.surfcoat.2018.01.035>

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

Javanainen, M, Ollila, OHS & Martinez-Seara, H 2020, 'Rotational Diffusion of Membrane Proteins in Crowded Membranes', *Journal of Physical Chemistry B*, Vuosikerta. 124, Nro 15, Sivut 2994-3001. <https://doi.org/10.1021/acs.jpccb.0c00884>

Jermakka, J, Thompson Brewster, E, Ledezma, P & Freguia, S 2018, 'Electro-concentration for chemical-free nitrogen capture as solid ammonium bicarbonate', *Separation and Purification Technology*, Vuosikerta. 203, Sivut 48-55. <https://doi.org/10.1016/j.seppur.2018.04.023>

Jones, RO, Ahlstedt, O, Akola, J & Ropo, M 2017, 'Density functional study of structure and dynamics in liquid antimony and Sb_n clusters', *Journal of Chemical Physics*, Vuosikerta. 146, Nro 19, 194502. <https://doi.org/10.1063/1.4983219>

Jönkkäri, I, Poliakova, V, Mylläri, V, Anderson, R, Andersson, M & Vuorinen, J 2020, 'Compounding and characterization of recycled multilayer plastic films', *Journal of Applied Polymer Science*. <https://doi.org/10.1002/app.49101>

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

Jowett, GM, Norman, MDA, Yu, TTL, Rosell Arévalo, P, Hoogland, D, Lust, ST, Read, E, Hamrud, E, Walters, NJ, Niazi, U, Chung, MWH, Marciano, D, Omer, OS, Zabinski, T, Danovi, D, Lord, GM, Hilborn, J, Evans, ND, Dreiss, CA, Bozec, L, Oommen, OP, Lorenz, CD, da Silva, RMP, Neves, JF & Gentleman, E 2020, 'ILC1 drive intestinal epithelial and matrix remodelling', *Nature Materials*. <https://doi.org/10.1038/s41563-020-0783-8>

Jungwirth, P 2014, 'Molekuly a ionty v pohybu: Počítačové simulace biochemických a biofyzikálních procesů', *Chemické Listy*, Vuosikerta. 108, Nro 4, Sivut 278-284.

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

Kainulainen, TP, Sirviö, JA, Sethi, J, Hukka, TI & Heiskanen, JP 2018, 'UV-Blocking Synthetic Biopolymer from Biomass-Based Bifuran Diester and Ethylene Glycol', *Macromolecules*, Vuosikerta. 51, Nro 5, Sivut 1822-1829. <https://doi.org/10.1021/acs.macromol.7b02457>

Kaleva, A, Tassaing, T, Saarimaa, V, Le Bourdon, G, Väisänen, P, Markkula, A & Levänen, E 2020, 'Formation of corrosion products on zinc in wet supercritical and subcritical CO₂: In-situ spectroscopic study', *Corrosion Science*, Vuosikerta. 174. <https://doi.org/10.1016/j.corsci.2020.108850>

Kalimeri, M, Rahaman, O, Melchionna, S & Sterpone, F 2013, 'How conformational flexibility stabilizes the hyperthermophilic elongation factor G-domain', *Journal of Physical Chemistry Part B*, Vuosikerta. 117, Nro 44, Sivut 13775-13785. <https://doi.org/10.1021/jp407078z>

Kamppuri, T, Vehviläinen, M, Puolakka, A, Honkanen, M, Vippola, M & Rissanen, M 2015, 'Characterisation of novel regenerated cellulosic, viscose, and cotton fibres and the dyeing properties of fabrics', *Coloration Technology*, Vuosikerta. 131, Nro 5, Sivut 396-402. <https://doi.org/10.1111/cote.12163>

Kangas, H, Franzén, R, Tois, J, Taskinen, J & Kostianen, R 1999, 'Effect of nitro groups and alkyl chain length on the negative ion tandem mass spectra of alkyl 3-hydroxy-5-(4'-nitrophenoxy) and alkyl 3-hydroxy-5-(2', 4'-dinitrophenoxy) benzoates', *Rapid Communications in Mass Spectrometry*, Vuosikerta. 13, Nro 16, Sivut 1680-1684. [https://doi.org/10.1002/\(SICI\)1097-0231\(19990830\)13:16<1680::AID-RCM698>3.0.CO;2-R](https://doi.org/10.1002/(SICI)1097-0231(19990830)13:16<1680::AID-RCM698>3.0.CO;2-R)

Kaouk, A, Ruoko, TP, Gönüllü, Y, Kaunisto, K, Mettenböcker, A, Gurevich, E, Lemmetyinen, H, Ostendorf, A & Mathur, S 2015, 'Graphene-intercalated Fe₂O₃/TiO₂ heterojunctions for efficient photoelectrolysis of water', *RSC Advances*, Vuosikerta. 5, Nro 123, Sivut 101401-101407. <https://doi.org/10.1039/c5ra18330h>

Kapgate, BP, Das, C, Das, A, Basu, D, Wiessner, S, Reuter, U & Heinrich, G 2016, 'Reinforced chloroprene rubber by in situ generated silica particles: Evidence of bound rubber on the silica surface', *Journal of Applied Polymer Science*, Vuosikerta. 133, Nro 30, 43717. <https://doi.org/10.1002/app.43717>

Kapgate, BP, Das, C, Basu, D, Das, A, Heinrich, G & Reuter, U 2014, 'Effect of silane integrated sol-gel derived in situ silica on the properties of nitrile rubber', *Journal of Applied Polymer Science*, Vuosikerta. 131, Nro 15, 40531. <https://doi.org/10.1002/app.40531>

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

Karilainen, T, Timr, Š, Vattulainen, I & Jungwirth, P 2015, 'Oxidation of cholesterol does not alter significantly its uptake into high-density lipoprotein particles', *Journal of Physical Chemistry Part B*, Vuosikerta. 119, Nro 13, Sivut 4594-4600. <https://doi.org/10.1021/acs.jpcc.5b00240>

Karilainen, T, Cramariuc, O, Kuisma, M, Tappura, K & Hukka, TI 2015, 'Van der Waals interactions are critical in Car-Parrinello molecular dynamics simulations of porphyrin-fullerene dyads', *Journal of Computational Chemistry*, Vuosikerta. 36, Nro 9, Sivut 612-621. <https://doi.org/10.1002/jcc.23834>

Karjalainen, P, Rönkkö, T, Simonen, P, Ntziachristos, L, Juuti, P, Timonen, H, Teinilä, K, Saarikoski, S, Saveljeff, H, Lauren, M, Happonen, M, Matilainen, P, Maunula, T, Nuottimäki, J & Keskinen, J 2019, 'Strategies To Diminish the Emissions of Particles and Secondary Aerosol Formation from Diesel Engines', *Environmental science & technology*, Vuosikerta. 53, Nro 17, Sivut 10408-10416. <https://doi.org/10.1021/acs.est.9b04073>

- Karjalainen, M, Kontunen, A, Mäkelä, M, Anttalainen, O, Vehkaoja, A, Oksala, N & Roine, A 2020, 'Recovery characteristics of different tube materials in relation to combustion products', *International Journal for Ion Mobility Spectrometry*. <https://doi.org/10.1007/s12127-020-00266-z>
- Kärkkäinen, M, Kolli, T, Honkanen, M, Heikkinen, O, Väliheikki, A, Huuhtanen, M, Kallinen, K, Lahtinen, J, Vippola, M & Keiski, RL 2016, 'The Influence of Phosphorus Exposure on a Natural-Gas-Oxidation Catalyst', *Topics in Catalysis*, Vuosikerta. 59, Nro 10-12, Sivut 1044-1048. <https://doi.org/10.1007/s11244-016-0587-x>
- Karvinen, J, Joki, T, Ylä-Outinen, L, Koivisto, JT, Narkilahti, S & Kellomäki, M 2018, 'Soft hydrazone crosslinked hyaluronan- and alginate-based hydrogels as 3D supportive matrices for human pluripotent stem cell-derived neuronal cells', *Reactive and Functional Polymers*, Vuosikerta. 124, Sivut 29-39. <https://doi.org/10.1016/j.reactfunctpolym.2017.12.019>
- Kaski, J, Lantto, P, Rantala, TT, Schroderus, J, Vaara, J & Jokisaari, J 1999, 'Experimental and theoretical study of the spin-spin coupling tensors in methylsilane', *Journal of Physical Chemistry A*, Vuosikerta. 103, Nro 48, Sivut 9669-9677. <https://doi.org/10.1021/jp9920491>
- Kastinen, T, Niskanen, M, Risko, C, Cramariuc, O & Hukka, TI 2016, 'On describing the optoelectronic characteristics of poly(benzodithiophene-: Co -quinoxaline)-fullerene complexes: The influence of optimally tuned density functionals', *Physical Chemistry Chemical Physics*, Vuosikerta. 18, Nro 39, Sivut 27654-27670. <https://doi.org/10.1039/c6cp04567g>
- Katava, M, Kalimeri, M, Stirnemann, G & Sterpone, F 2016, 'Stability and Function at High Temperature. What Makes a Thermophilic GTPase Different from Its Mesophilic Homologue', *Journal of Physical Chemistry Part B*, Vuosikerta. 120, Nro 10, Sivut 2721-2730. <https://doi.org/10.1021/acs.jpcc.6b00306>
- Kato, D, Sakai, H, Tkachenko, NV & Hasobe, T 2016, 'High-Yield Excited Triplet States in Pentacene Self-Assembled Monolayers on Gold Nanoparticles through Singlet Exciton Fission', *Angewandte Chemie (International Edition)*, Vuosikerta. 55, Nro 17, Sivut 5230-5234. <https://doi.org/10.1002/anie.201601421>
- Kato, D, Sakai, H, Araki, Y, Wada, T, Tkachenko, NV & Hasobe, T 2018, 'Concentration-dependent photophysical switching in mixed self-assembled monolayers of pentacene and perylene-3,4,9,10-tetracarboxylic diimide on gold nanoclusters', *Physical Chemistry Chemical Physics*, Vuosikerta. 20, Nro 13, Sivut 8695-8706. <https://doi.org/10.1039/c8cp00174j>
- Kattiparambil Rajan, D, Patrikoski, M, Verho, J, Sivula, J, Ihalainen, H, Miettinen, S & Lekkala, J 2016, 'Optical non-contact pH measurement in cell culture with sterilizable, modular parts', *Talanta*, Vuosikerta. 161, Sivut 755-761. <https://doi.org/10.1016/j.talanta.2016.09.021>
- Kekonen, A, Bergelin, M, Johansson, M, Kumar Joon, N, Bobacka, J & Viik, J 2019, 'Bioimpedance Sensor Array for Long-Term Monitoring of Wound Healing from Beneath the Primary Dressings and Controlled Formation of H₂O₂ Using Low-Intensity Direct Current', *Sensors*, Vuosikerta. 19, Nro 11. <https://doi.org/10.3390/s19112505>
- Kellomäki, A, Kuula-Väisänen, P & Nieminen, P 1989, 'Sorption and retention of ethylene glycol monoethyl ether (EGME) on silicas', *Journal of Colloid and Interface Science*, Vuosikerta. 129, Nro 2, Sivut 373-378. [https://doi.org/10.1016/0021-9797\(89\)90450-5](https://doi.org/10.1016/0021-9797(89)90450-5)
- Kerst, T, Malmbeck, R, Ial Banik, NL & Toivonen, J 2019, 'Alpha radiation-induced luminescence by am-241 in aqueous nitric acid solution', *Sensors (Switzerland)*, Vuosikerta. 19, Nro 7, 1602. <https://doi.org/10.3390/s19071602>
- Kezilebieke, S, Žitko, R, Dvorak, M, Ojanen, T & Liljeroth, P 2019, 'Observation of Coexistence of Yu-Shiba-Rusinov States and Spin-Flip Excitations', *Nano Letters*, Vuosikerta. 19, Nro 7, Sivut 4614-4619. <https://doi.org/10.1021/acs.nanolett.9b01583>

Khan, M, Yang, J, Shi, C, Feng, Y, Zhang, W, Gibney, K & Tew, GN 2015, 'Manipulation of polycarbonate urethane bulk properties via incorporated zwitterionic polynorborene for tissue engineering application', *RSC Advances*, Vuosikerta. 5, Nro 15, Sivut 11284-11292. <https://doi.org/10.1039/C4RA14608E>

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

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

Khan, MN, Tjong, V, Chilkoti, A & Zharnikov, M 2013, 'Spectroscopic study of a DNA brush synthesized in situ by surface initiated enzymatic polymerization', *Journal of Physical Chemistry Part B*, Vuosikerta. 117, Nro 34, Sivut 9929-9938. <https://doi.org/10.1021/jp404774x>

Khan, MN & Zharnikov, M 2013, 'Irradiation promoted exchange reaction with disulfide substituents', *Journal of Physical Chemistry C*, Vuosikerta. 117, Nro 28, Sivut 14534-14543. <https://doi.org/10.1021/jp4006026>

Khan, MN, Tjong, V, Chilkoti, A & Zharnikov, M 2012, 'Fabrication of ssDNA/oligo(ethylene glycol) monolayers and complex nanostructures by an irradiation-promoted exchange reaction', *Angewandte Chemie (International Edition)*, Vuosikerta. 51, Nro 41, Sivut 10303-10306. <https://doi.org/10.1002/anie.201204245>

Khan, M, Koivisto, J, Hukka, T, Hokka, M & Kellomäki, M 2018, 'Composite Hydrogels Using Bioinspired Approach with in Situ Fast Gelation and Self-Healing Ability as Future Injectable Biomaterial', *ACS Applied Materials & Interfaces*, Vuosikerta. 10, Nro 14, Sivut 11950-11960. <https://doi.org/10.1021/acsami.8b01351>

Khvorost, TA, Beliaev, LY, Potalueva, E, Laptenkova, AV, Selyutin, AA, Bogachev, NA, Skripkin, MY, Ryazantsev, MN, Tkachenko, N & Mereshchenko, AS 2020, 'Ultrafast Photochemistry of the $[\text{Cr}(\text{NCS})_6]^{3-}$ Complex in Dimethyl Sulfoxide and Dimethylformamide upon Excitation into Ligand-Field Electronic State', *Journal of Physical Chemistry B*, Vuosikerta. 124, Nro 18, Sivut 3724-3733. <https://doi.org/10.1021/acs.jpcc.0c00088>

Kiilakoski, J, Langlade, C, Koivuluoto, H & Vuoristo, P 2019, 'Characterizing the micro-impact fatigue behavior of APS and HVOF-sprayed ceramic coatings', *Surface and Coatings Technology*, Vuosikerta. 371, Sivut 245-254. <https://doi.org/10.1016/j.surfcoat.2018.10.097>

Knasmüller, S, Zöhrer, E, Kronberg, L, Kundi, M, Franzen, R & Schulte-Hermann, R 1996, 'Mutational spectra of *Salmonella typhimurium* revertants induced by chlorohydroxyfuranones, byproducts of chlorine disinfection of drinking water', *Chemical Research in Toxicology*, Vuosikerta. 9, Nro 2, Sivut 374-381. <https://doi.org/10.1021/tx9500686>

Kohagen, M, Mason, PE & Jungwirth, P 2014, 'Accurate description of calcium solvation in concentrated aqueous solutions', *Journal of Physical Chemistry Part B*, Vuosikerta. 118, Nro 28, Sivut 7902-7909. <https://doi.org/10.1021/jp5005693>

Köhler, M, Karner, A, Leitner, M, Hytönen, VP, Kulomaa, M, Hinterdorfer, P & Ebner, A 2014, 'pH-dependent deformations of the energy landscape of avidin-like proteins investigated by single molecule force spectroscopy', *Molecules*, Vuosikerta. 19, Nro 8, Sivut 12531-12546. <https://doi.org/10.3390/molecules190812531>

Koivisto, AJ, Aromaa, M, Koponen, IK, Fransman, W, Jensen, KA, Mäkelä, JM & Hämeri, KJ 2015, 'Workplace performance of a loose-fitting powered air purifying respirator during nanoparticle synthesis', *Journal of Nanoparticle Research*, Vuosikerta. 17, Nro 4. <https://doi.org/10.1007/s11051-015-2990-9>

Kordmahaleh, AA, Naghashzadegan, M, Javaherdeh, K & Khoshgoftar, M 2017, 'Design of a 25 MWe Solar Thermal Power Plant in Iran with Using Parabolic Trough Collectors and a Two-Tank Molten Salt Storage System', *International Journal of Photoenergy*, Vuosikerta. 2017, 4210184. <https://doi.org/10.1155/2017/4210184>

Koskela, JE, Liljeström, V, Lim, J, Simanek, EE, Ras, RHA, Priimagi, A & Kostianen, MA 2014, 'Light-fuelled transport of large dendrimers and proteins', *Journal of the American Chemical Society*, Vuosikerta. 136, Nro 19, Sivut 6850-6853. <https://doi.org/10.1021/ja502623m>

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

Kotila, T, Kogan, K, Enkavi, G, Guo, S, Vattulainen, I, Goode, BL & Lappalainen, P 2018, 'Structural basis of actin monomer re-charging by cyclase-Associated protein', *Nature Communications*, Vuosikerta. 9, Nro 1, 1892. <https://doi.org/10.1038/s41467-018-04231-7>

Kousoulidou, M, Ntziachristos, L, Fontaras, G, Martini, G, Dilara, P & Samaras, Z 2012, 'Impact of biodiesel application at various blending ratios on passenger cars of different fueling technologies', *Fuel*, Vuosikerta. 98, Sivut 88-94. <https://doi.org/10.1016/j.fuel.2012.03.038>

Kovács, PT, Zare, A, Balogh, T, Bregovic, R & Gotchev, A 2017, 'Architectures and codecs for real-time light field streaming', *Journal of Imaging Science and Technology*, Vuosikerta. 61, Nro 1, 010403. <https://doi.org/10.2352/J.ImagingSci.Technol.2017.61.1.010403>

Kramb, J, Konttinen, J, Backman, R, Salo, K & Roberts, M 2016, 'Elimination of arsenic-containing emissions from gasification of chromated copper arsenate wood', *Fuel*, Vuosikerta. 181, Sivut 319-324. <https://doi.org/10.1016/j.fuel.2016.04.109>

Kramb, J, Gómez-Barea, A, DeMartini, N, Romar, H, Doddapaneni, TRKC & Konttinen, J 2017, 'The effects of calcium and potassium on CO₂ gasification of birch wood in a fluidized bed', *Fuel*, Vuosikerta. 196, Sivut 398-407. <https://doi.org/10.1016/j.fuel.2017.01.101>

Kulig, W, Cwiklik, L, Jurkiewicz, P, Rog, T & Vattulainen, I 2016, 'Cholesterol oxidation products and their biological importance', *Chemistry and Physics of Lipids*, Vuosikerta. 199, Sivut 144-160. <https://doi.org/10.1016/j.chemphyslip.2016.03.001>

Kulig, W & Agmon, N 2014, 'Deciphering the infrared spectrum of the protonated water pentamer and the hybrid Eigen-Zundel cation', *Physical Chemistry Chemical Physics*, Vuosikerta. 16, Nro 10, Sivut 4933-4941. <https://doi.org/10.1039/c3cp54029d>

Kulig, W & Agmon, N 2014, 'Both zundel and eigen isomers contribute to the IR spectrum of the gas-phase H₉O₄ + cluster', *Journal of Physical Chemistry Part B*, Vuosikerta. 118, Nro 1, Sivut 278-286. <https://doi.org/10.1021/jp410446d>

Kulig, W & Agmon, N 2013, 'A 'clusters-in-liquid' method for calculating infrared spectra identifies the proton-transfer mode in acidic aqueous solutions', *Nature Chemistry*, Vuosikerta. 5, Nro 1, Sivut 29-35. <https://doi.org/10.1038/nchem.1503>

Kulig, W, Kubisiak, P & Cwiklik, L 2011, 'Steric and electronic effects in the host-guest hydrogen bonding in clathrate hydrates', *Journal of Physical Chemistry A*, Vuosikerta. 115, Nro 23, Sivut 6149-6154. <https://doi.org/10.1021/jp111245z>

Kulig, W, Korolainen, H, Zatorska, M, Kwolek, U, Wydro, P, Kepczynski, M & Róg, T 2019, 'Complex Behavior of Phosphatidylcholine-Phosphatidic Acid Bilayers and Monolayers: Effect of Acyl Chain Unsaturation', *Langmuir*, Vuosikerta. 35, Nro 17, Sivut 5944-5956. <https://doi.org/10.1021/acs.langmuir.9b00381>

Kuroda, K, Yazaki, K, Tanaka, Y, Akita, M, Sakai, H, Hasobe, T, Tkachenko, NV & Yoshizawa, M 2019, 'A Pentacene-based Nanotube Displaying Enriched Electrochemical and Photochemical Activities', *Angewandte Chemie - International Edition*, Vuosikerta. 58, Nro 4, Sivut 1115-1119. <https://doi.org/10.1002/anie.201812976>

Kurppa, K, Hytönen, VP, Nakari-Setälä, T, Kulomaa, MS & Linder, MB 2014, 'Molecular engineering of avidin and hydrophobin for functional self-assembling interfaces', *Colloids and Surfaces B: Biointerfaces*, Vuosikerta. 120, Sivut 102-109. <https://doi.org/10.1016/j.colsurfb.2014.05.010>

Kuusipalo, J & Lahti, J 2017, Tampere University of Technology, laboratory of materials science, paper converting and packaging technology Tampere, Finland. julkaisussa *16th TAPPI European PLACE Conference 2017: Basel; Switzerland; 22 May 2017 through 24 May 2017*. Vuosikerta. May-2017, TAPPI Press, TAPPI European PLACE Conference, 1/01/12.

Kuzmin, VA, Durandin, NA, Lisitsyna, ES, Litvinkova, LV, Nekipelova, TD, Podrugina, TA, Matveeva, ED, Proskurnina, MV & Zefirov, NS 2015, 'Energy degradation in photoexcited complexes of indocarbocyanine with albumin', *HIGH ENERGY CHEMISTRY*, Vuosikerta. 49, Nro 3, Sivut 211-212. <https://doi.org/10.1134/S0018143915030108>

Kuzmin, MG, Soboleva, IV, Durandin, NA, Lisitsyna, ES & Kuzmin, VA 2014, 'Microphase mechanism of "superquenching" of luminescent probes in aqueous solutions of DNA and some other polyelectrolytes', *Journal of Physical Chemistry Part B*, Vuosikerta. 118, Nro 15, Sivut 4245-4252. <https://doi.org/10.1021/jp500713q>

Kuz'min, VA, Durandin, NA, Lisitsyna, ES, Nekipelova, TD, Podrugina, TA, Matveeva, ED, Proskurnina, MV & Zefirov, NS 2015, 'Spectral and kinetic characteristics of indotricarbocyanine complexation with albumin', *DOKLADY PHYSICAL CHEMISTRY*, Vuosikerta. 462, Nro 1, Sivut 107-109. <https://doi.org/10.1134/S0012501615050036>

Kwolek, U, Kulig, W, Wydro, P, Nowakowska, M, Róg, T & Kepczynski, M 2015, 'Effect of Phosphatidic Acid on Biomembrane: Experimental and Molecular Dynamics Simulations Study', *Journal of Physical Chemistry Part B*, Vuosikerta. 119, Nro 31, Sivut 10042-10051. <https://doi.org/10.1021/acs.jpcc.5b03604>

Lahbib, I, Valkonen, A, Rzaigui, M & Smirani, W 2017, 'Synthesis, Structural Characterization, Hirshfeld Surface and Antioxidant Activity Analysis of a Novel Organic Cation Antimonate Complex', *Journal of Cluster Science*, Vuosikerta. 28, Nro 4, Sivut 2239-2252. <https://doi.org/10.1007/s10876-017-1217-x>

Lahikainen, M, Zeng, H & Priimagi, A 2020, 'Design principles for non-reciprocal photomechanical actuation', *Soft Matter*, Vuosikerta. 16, Nro 25, Sivut 5951-5958. <https://doi.org/10.1039/d0sm00624f>

Lahti, J, Johansson, P, Lahtinen, K, Cameron, DC & Seppänen, T 2014, Improving the effect of nanoscale barrier coating on BOPP film properties: Influence of substrate contamination, web handling and pretreatments. julkaisussa *TAPPI PLACE Conference 2014*. Vuosikerta. 2, TAPPI Press, Sivut 1039-1061, TAPPI EUROPEAN PLACE CONFERENCE, 1/01/00.

Lahti, J 2016, Nanoscale barrier coating on BOPP packaging film by ALD. julkaisussa *TAPPI PLACE Conference 2016: Exploring New Frontiers*. TAPPI Press, Sivut 493-505, 1/01/00.

Lahti, J, Tuominen, M, Penttinen, T, Räsänen, JP & Kuusipalo, J 2009, The effects of corona and flame treatment: Part 2. PE-HD and PP coated papers. julkaisussa *TAPPI Press - 12th European PLACE Conference 2009*. Vuosikerta. 1, Sivut 278-314, Budapest, Unkari, 18/05/09.

Lahti, J, Kuusipalo, J & Auvinen, S 2017, Novel equipment to simulate hot air heat sealability of packaging materials. julkaisussa *16th TAPPI European PLACE Conference 2017*. TAPPI Press, Sivut 237-248, TAPPI EUROPEAN PLACE CONFERENCE, 1/01/00.

Lahti, J, Kamppuri, T & Kuusipalo, J 2017, Novel bio-based materials for active and intelligent packaging. julkaisussa *16th TAPPI European PLACE Conference 2017*. TAPPI Press, TAPPI EUROPEAN PLACE CONFERENCE, 1/01/00.

Lahti, J 2019, Nanocellulose and Polylactic Acid Based Multilayer Coatings for Barrier Applications. julkaisussa *17th Biennial TAPPI European PLACE Conference 2019*. TAPPI Press, Sivut 446-455, Porto, Portugal, 20/05/19.

Lahti, J 2019, Market implementation of active and intelligent packaging-opportunities from a socio-economic perspective. julkaisussa *17th Biennial TAPPI European PLACE Conference 2019*. TAPPI Press, Sivut 419-427, Porto, Portugali, 20/05/19.

Lahtinen, K & Kuusipalo, J 2008, Statistical modeling of water vapor transmission rates for extrusion-coated papers. julkaisussa *TAPPI 2008 PLACE Conference: Innovations in Flexible Consumer Packaging.*, Portsmouth, VA, Yhdysvallat, 14/09/08.

Lahtinen, K, Lahti, J, Johansson, P, Seppänen, T & Cameron, DC 2013, Improving the effect of a nanoscale barrier coating on BOPP film properties by surface pretreatments. julkaisussa *14th European PLACE Conference 2013*. Vuosikerta. 1, TAPPI Press, Sivut 469-493, Dresden, Saksa, 6/05/13.

Lai, Y, Zhang, H, Sugano, Y, Xie, H & Kallio, P 2019, 'Correlation of Surface Morphology and Interfacial Adhesive Behavior between Cellulose Surfaces: Quantitative Measurements in Peak-Force Mode with the Colloidal Probe Technique', *Langmuir*, Vuosikerta. 35, Nro 22, Sivut 7312-7321. <https://doi.org/10.1021/acs.langmuir.8b03503>

Lai, KM, Nasir, ZA & Taylor, J 2014, Bioaerosols and Hospital Infections. julkaisussa *Aerosol Science: Technology and Applications*. Vuosikerta. 9781119977926, Wiley-Blackwell, Sivut 271-289. <https://doi.org/10.1002/9781119977926.ch11>

Laitaoja, M, Valjakka, J & Jänis, J 2013, 'Zinc coordination spheres in protein structures', *Inorganic Chemistry*, Vuosikerta. 52, Nro 19, Sivut 10983-10991. <https://doi.org/10.1021/ic401072d>

Larnimaa, S, Halonen, L, Karhu, J, Tomberg, T, Metsälä, M, Genoud, G, Hieta, T, Bell, S & Vainio, M 2020, 'High-resolution analysis of the ν_3 band of radiocarbon methane $^{14}\text{CH}_4$ ', *Chemical Physics Letters*, Vuosikerta. 750, 137488. <https://doi.org/10.1016/j.cplett.2020.137488>

La Rosa, C, Scalisi, S, Lolicato, F, Pannuzzo, M & Raudino, A 2016, 'Lipid-assisted protein transport: A diffusion-reaction model supported by kinetic experiments and molecular dynamics simulations', *Journal of Chemical Physics*, Vuosikerta. 144, Nro 18, 184901. <https://doi.org/10.1063/1.4948323>

Laurén, P, Paukkonen, H, Lipiäinen, T, Dong, Y, Oksanen, T, Räikkönen, H, Ehlers, H, Laaksonen, P, Yliperttula, M & Laaksonen, T 2018, 'Pectin and Mucin Enhance the Bioadhesion of Drug Loaded Nanofibrillated Cellulose Films', *Pharmaceutical Research*, Vuosikerta. 35, Nro 7, 145. <https://doi.org/10.1007/s11095-018-2428-z>

Le, HH, Pham, T, Henning, S, Klehm, J, Wießner, S, Stöckelhuber, KW, Das, A, Hoang, XT, Do, QK, Wu, M, Vennemann, N, Heinrich, G & Radusch, HJ 2015, 'Formation and stability of carbon nanotube network in natural rubber: Effect of non-rubber components', *Polymer*, Vuosikerta. 73, 18004, Sivut 111-121. <https://doi.org/10.1016/j.polymer.2015.07.044>

Le, HH, Parsaker, M, Sriharish, MN, Henning, S, Menzel, M, Wießner, S, Das, A, Do, QK, Heinrich, G & Radusch, HJ 2015, 'Effect of rubber polarity on selective wetting of carbon nanotubes in ternary blends', *Express Polymer Letters*, Vuosikerta. 9, Nro 11, Sivut 960-971. <https://doi.org/10.3144/expresspolymlett.2015.87>

Le, HH, Abhijeet, S, Ilisch, S, Klehm, J, Henning, S, Beiner, M, Sarkawi, SS, Dierkes, W, Das, A, Fischer, D, Stöckelhuber, KW, Wiessner, S, Khatiwada, SP, Adhikari, R, Pham, T, Heinrich, G & Radusch, HJ 2014, 'The role of linked phospholipids in the rubber-filler interaction in carbon nanotube (CNT) filled natural rubber (NR) composites', *Polymer*, Vuosikerta. 55, Nro 18, Sivut 4738-4747. <https://doi.org/10.1016/j.polymer.2014.07.043>

Le, HH, Parsekar, M, Ilisch, S, Henning, S, Das, A, Stöckelhuber, KW, Beiner, M, Ho, CA, Adhikari, R, Wießner, S, Heinrich, G & Radusch, HJ 2014, 'Effect of non-rubber components of NR on the carbon nanotube (CNT) localization in SBR/NR blends', *Macromolecular Materials and Engineering*, Vuosikerta. 299, Nro 5, Sivut 569-582. <https://doi.org/10.1002/mame.201300254>

- Le, HH, Oßwald, K, Wießner, S, Das, A, Stöckelhuber, KW, Boldt, R, Gupta, G, Heinrich, G & Radosch, HJ 2013, 'Location of dispersing agent in rubber nanocomposites during mixing process', *Polymer*, Vuosikerta. 54, Nro 26, Sivut 7009-7021. <https://doi.org/10.1016/j.polymer.2013.10.038>
- Le, HH, Hoang, XT, Das, A, Gohs, U, Stoeckelhuber, KW, Boldt, R, Heinrich, G, Adhikari, R & Radosch, HJ 2012, 'Kinetics of filler wetting and dispersion in carbon nanotube/rubber composites', *Carbon*, Vuosikerta. 50, Nro 12, Sivut 4543-4556. <https://doi.org/10.1016/j.carbon.2012.05.039>
- Lee, TY, Ramasamy, P, Oh, YK, Lee, K & Kim, SH 2016, 'Alginate microgels created by selective coalescence between core drops paired with an ultrathin shell', *Journal of Materials Chemistry B*, Vuosikerta. 4, Nro 19, Sivut 3232-3238. <https://doi.org/10.1039/c6tb00580b>
- Lemmetyinen, H, Tkachenko, NV, Valeur, B, Hotta, JI, Ameloot, M, Ernsting, NP, Gustavsson, T & Boens, N 2014, 'Time-resolved fluorescence methods (IUPAC technical report)', *Pure and Applied Chemistry*, Vuosikerta. 86, Nro 12, Sivut 1969-1998. <https://doi.org/10.1515/pac-2013-0912>
- Lemougna, PN, Yliniemi, J, Ismailov, A, Levänen, E, Tanskanen, P, Kinnunen, P, Roning, J & Illikainen, M 2019, 'Spodumene tailings for porcelain and structural materials: Effect of temperature (1050–1200°C) on the sintering and properties', *Minerals Engineering*. <https://doi.org/10.1016/j.mineng.2019.105843>
- Lepcha, A, Maccato, C, Mettenböcker, A, Andreu, T, Mayrhofer, L, Walter, M, Olthof, S, Ruoko, TP, Klein, A, Moseler, M, Meerholz, K, Morante, JR, Barreca, D & Mathur, S 2015, 'Electrospun Black Titania Nanofibers: Influence of Hydrogen Plasma-Induced Disorder on the Electronic Structure and Photoelectrochemical Performance', *Journal of Physical Chemistry C*, Vuosikerta. 119, Nro 33, Sivut 18835-18842. <https://doi.org/10.1021/acs.jpcc.5b02767>
- Lepistö, SS & Rintala, JA 1997, 'Start-up and Operation of Laboratory-Scale Thermophilic Upflow Anaerobic Sludge Blanket Reactors Treating Vegetable Processing Wastewaters', *Journal of Chemical Technology and Biotechnology*, Vuosikerta. 68, Nro 3, Sivut 331-339. [https://doi.org/10.1002/\(SICI\)1097-4660\(199703\)68:3<331::AID-JCTB657>3.0.CO;2-Z](https://doi.org/10.1002/(SICI)1097-4660(199703)68:3<331::AID-JCTB657>3.0.CO;2-Z)
- Lesot, P, Merlet, D, Courtieu, J, Emsley, JW, Rantala, TT & Jokisaari, J 1997, 'Calculation of the molecular ordering parameters of (\pm)-3-butyn-2-ol dissolved in an organic solution of poly(γ -benzyl-L-glutamate)', *Journal of Physical Chemistry A*, Vuosikerta. 101, Nro 31, Sivut 5719-5724. <https://doi.org/10.1021/jp9709262>
- Leuteritz, A, Kutlu, B, Meinel, J, Wang, D, Das, A, Wagenknecht, U & Heinrich, G 2012, 'Layered Double Hydroxides (LDH): A multifunctional versatile system for nanocomposites', *Molecular Crystals and Liquid Crystals*, Vuosikerta. 556, Sivut 107-113. <https://doi.org/10.1080/15421406.2012.635923>
- Levämäki, H, Tian, L-Y, Vitos, L & Ropo, M 2019, 'An automated algorithm for reliable equation of state fitting of magnetic systems', *Computational Materials Science*, Vuosikerta. 156, Sivut 121-128. <https://doi.org/10.1016/j.commatsci.2018.09.026>
- Levin, M, Rojas, E, Vanhala, E, Vippola, M, Liguori, B, Kling, KI, Koponen, IK, Møhlhave, K, Tuomi, T, Gregurec, D, Moya, S & Jensen, KA 2015, 'Influence of relative humidity and physical load during storage on dustiness of inorganic nanomaterials: implications for testing and risk assessment', *Journal of Nanoparticle Research*, Vuosikerta. 17, Nro 8, Sivut 337. <https://doi.org/10.1007/s11051-015-3139-6>
- Levoska, J, Rantala, TT & Lenkkeri, J 1989, 'Numerical simulation of temperature distributions in layered structures during laser processing', *Applied Surface Science*, Vuosikerta. 36, Nro 1-4, Sivut 12-22. [https://doi.org/10.1016/0169-4332\(89\)90895-7](https://doi.org/10.1016/0169-4332(89)90895-7)
- Li, Z, Le, T, Wu, Z, Yao, Y, Li, L, Tentzeris, M, Moon, KS & Wong, CP 2015, 'Rational design of a printable, highly conductive silicone-based electrically conductive adhesive for stretchable radio-frequency antennas', *Advanced Functional Materials*, Vuosikerta. 25, Nro 3, Sivut 464-470. <https://doi.org/10.1002/adfm.201403275>

- Li, Y, Tao, SC, Bova, GS, Liu, AY, Chan, DW, Zhu, H & Zhang, H 2011, 'Detection and verification of glycosylation patterns of glycoproteins from clinical specimens using lectin microarrays and lectin-based immunosorbent assays', *Analytical Chemistry*, Vuosikerta. 83, Nro 22, Sivut 8509-8516. <https://doi.org/10.1021/ac201452f>
- Liang, Y, Ma, L, Wang, J & Wang, G 2015, 'Multistep reactions of water with small Pd_n clusters: A first principles study', *Journal of Theoretical and Computational Chemistry*, Vuosikerta. 14, Nro 3, 1550017. <https://doi.org/10.1142/S0219633615500170>
- Liimatainen, V, Vuckovac, M, Jokinen, V, Sariola, V, Hokkanen, MJ, Zhou, Q & Ras, RHA 2017, 'Mapping microscale wetting variations on biological and synthetic water-repellent surfaces', *Nature Communications*, Vuosikerta. 8, Nro 1, 1798. <https://doi.org/10.1038/s41467-017-01510-7>
- Linko, V, Leppiniemi, J, Paasonen, ST, Hytönen, VP & Jussi Toppari, J 2011, 'Defined-size DNA triple crossover construct for molecular electronics: Modification, positioning and conductance properties', *Nanotechnology*, Vuosikerta. 22, Nro 27, 275610. <https://doi.org/10.1088/0957-4484/22/27/275610>
- Lis, M, Wizert, A, Przybylo, M, Langner, M, Swiatek, J, Jungwirth, P & Cwiklik, L 2011, 'The effect of lipid oxidation on the water permeability of phospholipids bilayers', *Physical Chemistry Chemical Physics*, Vuosikerta. 13, Nro 39, Sivut 17555-17563. <https://doi.org/10.1039/c1cp21009b>
- Lisitsyna, ES, Lygo, ON, Durandin, NA, Dement'eva, OV, Rudoi, VM & Kuzmin, VA 2012, 'Superquenching of SYBRGreen dye fluorescence in complex with DNA by gold nanoparticles', *HIGH ENERGY CHEMISTRY*, Vuosikerta. 46, Nro 6, Sivut 363-367. <https://doi.org/10.1134/S0018143912060057>
- Lisitsyna, ES, Ketola, T-M, Morin-Picardat, E, Liang, H, Hanzlíková, M, Urtti, A, Yliperttula, M & Vuorimaa-Laukkanen, E 2017, 'Time-Resolved Fluorescence Spectroscopy Reveals Fine Structure and Dynamics of Poly(L-lysine) and Polyethylenimine Based DNA Polyplexes', *Journal of Physical Chemistry B*, Vuosikerta. 121, Nro 48, Sivut 10782-10792. <https://doi.org/10.1021/acs.jpcc.7b08394>
- Liu, Y, Minofar, B, Desyaterik, Y, Dames, E, Zhu, Z, Cain, JP, Hopkins, RJ, Gilles, MK, Wang, H, Jungwirth, P & Laskin, A 2011, 'Internal structure, hygroscopic and reactive properties of mixed sodium methanesulfonate-sodium chloride particles', *Physical Chemistry Chemical Physics*, Vuosikerta. 13, Nro 25, Sivut 11846-11857. <https://doi.org/10.1039/c1cp20444k>
- Liu, W, Ban, J, Feng, L, Cheng, T, Emmert-Streib, F & Dehmer, M 2019, 'The maximum Hosoya index of unicyclic graphs with diameter at most four', *Symmetry*, Vuosikerta. 11, Nro 8, 1034. <https://doi.org/10.3390/sym11081034>
- Lolicato, F, Raudino, A, Milardi, D & La Rosa, C 2015, 'Resveratrol interferes with the aggregation of membrane-bound human-IAPP: A molecular dynamics study', *European Journal of Medicinal Chemistry*, Vuosikerta. 92, Sivut 876-881. <https://doi.org/10.1016/j.ejmech.2015.01.047>
- Lolicato, F, Joly, L, Martinez-Seara, H, Fragneto, G, Scoppola, E, Baldelli Bombelli, F, Vattulainen, I, Akola, J & Maccarini, M 2019, 'The Role of Temperature and Lipid Charge on Intake/Uptake of Cationic Gold Nanoparticles into Lipid Bilayers', *Small*, Vuosikerta. 15, Nro 23, 1805046. <https://doi.org/10.1002/sml.201805046>
- Lowe, SJ, Partridge, DG, Davies, JF, Wilson, KR, Topping, D & Riipinen, I 2019, 'Key drivers of cloud response to surface-active organics', *Nature Communications*, Vuosikerta. 10, Nro 1, 5214. <https://doi.org/10.1038/s41467-019-12982-0>
- Luna, E, Wu, M, Hanke, M, Puustinen, J, Guina, M & Trampert, A 2016, 'Spontaneous formation of three-dimensionally ordered Bi-rich nanostructures within GaAs_{1-x}Bi_x/GaAs quantum wells', *Nanotechnology*, Vuosikerta. 27, Nro 32, 325603. <https://doi.org/10.1088/0957-4484/27/32/325603>
- Ma, L, Melander, M, Laasonen, K & Akola, J 2015, 'CO oxidation catalyzed by neutral and anionic Cu₂₀ clusters: Relationship between charge and activity', *Physical Chemistry Chemical Physics*, Vuosikerta. 17, Nro 10, Sivut 7067-7076. <https://doi.org/10.1039/c5cp00365b>

Ma, L, Melander, M, Weckman, T, Lipasti, S, Laasonen, K & Akola, J 2016, 'DFT simulations and microkinetic modelling of 1-pentyne hydrogenation on Cu₂₀ model catalysts', *Journal of Molecular Graphics and Modelling*, Vuosikerta. 65, Sivut 61-70. <https://doi.org/10.1016/j.jmgm.2016.02.007>

Ma, L, Wang, J & Wang, G 2013, 'Site-specific analysis of dipole polarizabilities of heterogeneous systems: Iron-doped Si_n (n = 1-14) clusters', *Journal of Chemical Physics*, Vuosikerta. 138, Nro 9, 094304. <https://doi.org/10.1063/1.4793276>

Ma, L & Ray, AK 2013, 'Growth behavior and magnetic properties of spherical uranium oxide nanoclusters', *Journal of Computational and Theoretical Nanoscience*, Vuosikerta. 10, Nro 2, Sivut 334-340. <https://doi.org/10.1166/jctn.2013.2701>

Ma, L, Wang, J, Hao, Y & Wang, G 2013, 'Density functional theory study of FePd_n (n = 2-14) clusters and interactions with small molecules', *Computational Materials Science*, Vuosikerta. 68, Sivut 166-173. <https://doi.org/10.1016/j.commatsci.2012.10.014>

Ma, L, Wang, J & Wang, G 2012, 'Search for global minimum geometries of medium sized Cd_nTe_n clusters (n = 15, 16, 20, 24 and 28)', *Chemical Physics Letters*, Vuosikerta. 552, Sivut 73-77. <https://doi.org/10.1016/j.cplett.2012.09.036>

Ma, L, Atta-Fynn, R & Ray, AK 2012, 'Elemental and mixed actinide dioxides: An ab initio study', *Journal of Theoretical and Computational Chemistry*, Vuosikerta. 11, Nro 3, Sivut 611-629. <https://doi.org/10.1142/S021963361250040X>

Ma, L, Jackson, KA & Jellinek, J 2011, 'Site-specific polarizabilities as predictors of favorable adsorption sites on Nanoclusters', *Chemical Physics Letters*, Vuosikerta. 503, Nro 1-3, Sivut 80-85. <https://doi.org/10.1016/j.cplett.2010.12.049>

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

Magarkar, A, Parkkila, P, Viitala, T, Lajunen, T, Mobarak, E, Licari, G, Cramariuc, O, Vauthey, E, Róg, T & Bunker, A 2018, 'Membrane bound COMT isoform is an interfacial enzyme: General mechanism and new drug design paradigm', *Chemical Communications*, Vuosikerta. 54, Nro 28, Sivut 3440-3443. <https://doi.org/10.1039/c8cc00221e>

Mah, PT, Novakovic, D, Saarinen, J, van Landeghem, S, Peltonen, L, Laaksonen, T, Isomäki, A & Strachan, CJ 2017, 'Elucidation of Compression-Induced Surface Crystallization in Amorphous Tablets Using Sum Frequency Generation (SFG) Microscopy', *Pharmaceutical Research*, Vuosikerta. 34, Nro 5, Sivut 957-970. <https://doi.org/10.1007/s11095-016-2046-6>

Mahimwalla, Z, Yager, KG, Mamiya, JI, Shishido, A, Priimagi, A & Barrett, CJ 2012, 'Azobenzene photomechanics: Prospects and potential applications', *Polymer Bulletin*, Vuosikerta. 69, Nro 8, Sivut 967-1006. <https://doi.org/10.1007/s00289-012-0792-0>

Mahmood, N, Khan, AU, Stöckelhuber, KW, Das, A, Jehnichen, D & Heinrich, G 2014, 'Carbon nanotubes-filled thermoplastic polyurethane-urea and carboxylated acrylonitrile butadiene rubber blend nanocomposites', *Journal of Applied Polymer Science*, Vuosikerta. 131, Nro 11. <https://doi.org/10.1002/app.40341>

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

Mäkelä, JM, Haapanen, J, Harra, J, Juuti, P & Kujanpää, S 2017, 'Liquid flame spray—a hydrogen-oxygen flame based method for nanoparticle synthesis and functional nanocoatings', *KONA POWDER AND PARTICLE JOURNAL*, Vuosikerta. 2017, Nro 34, Sivut 141-154. <https://doi.org/10.14356/kona.2017020>

Mäki, AJ, Peltokangas, M, Kreutzer, J, Auvinen, S & Kallio, P 2015, 'Modeling carbon dioxide transport in PDMS-based microfluidic cell culture devices', *Chemical Engineering Science*, Vuosikerta. 137, Sivut 515-524. <https://doi.org/10.1016/j.ces.2015.06.065>

Mal, J, Nancharaiah, YV, Van Hullebusch, ED & Lens, PNL 2016, 'Metal chalcogenide quantum dots: Biotechnological synthesis and applications', *RSC Advances*, Vuosikerta. 6, Nro 47, Sivut 41477-41495. <https://doi.org/10.1039/c6ra08447h>

Mandal, S, Garcia Iglesias, M, Ince, M, Torres, T & Tkachenko, NV 2018, 'Photoinduced Energy Transfer in ZnCdSeS Quantum Dot-Phthalocyanines Hybrids', *ACS Omega*, Vuosikerta. 3, Nro 8, Sivut 10048-10057. <https://doi.org/10.1021/acsomega.8b01623>

Mandal, S & Tkachenko, NV 2019, 'Multiphoton Excitation of CsPbBr₃ Perovskite Quantum Dots (PQDs): How Many Electrons Can One PQD Donate to Multiple Molecular Acceptors?', *Journal of Physical Chemistry Letters*, Sivut 2775-2781. <https://doi.org/10.1021/acs.jpcclett.9b01045>

Manea, LR, Cramariuc, B, Popescu, V, Cramariuc, R, Sandu, I & Cramariuc, O 2015, 'Equipment for obtaining polymeric nanofibres by electrospinning technology: II. The obtaining of polymeric nanofibers', *Materiale Plastice*, Vuosikerta. 52, Nro 2, Sivut 180-185.

Manna, M & Mukhopadhyay, C 2011, 'Cholesterol driven alteration of the conformation and dynamics of phospholamban in model membranes', *Physical Chemistry Chemical Physics*, Vuosikerta. 13, Nro 45, Sivut 20188-20198. <https://doi.org/10.1039/c1cp21793c>

Manna, M & Mukhopadhyay, C 2011, 'Molecular dynamics simulations of the interactions of kinin peptides with an anionic POPG bilayer', *Langmuir*, Vuosikerta. 27, Nro 7, Sivut 3713-3722. <https://doi.org/10.1021/la104046z>

Manninen, H, Rotola-Pukkila, M, Aisala, H, Hopia, A & Laaksonen, T 2018, 'Free amino acids and 5'-nucleotides in Finnish forest mushrooms', *Food Chemistry*, Vuosikerta. 247, Sivut 23-28. <https://doi.org/10.1016/j.foodchem.2017.12.014>

Manninen, H, Durandin, N, Hopia, A, Vuorimaa-Laukkanen, E & Laaksonen, T 2020, 'Taste compound – Nanocellulose interaction assessment by fluorescence indicator displacement assay', *Food Chemistry*, Vuosikerta. 318, 126511. <https://doi.org/10.1016/j.foodchem.2020.126511>

Mardoukhi, Y, Jeon, J-H & Metzler, R 2015, 'Geometry controlled anomalous diffusion in random fractal geometries: Looking beyond the infinite cluster', *Physical Chemistry Chemical Physics*, Vuosikerta. 17, Nro 44, Sivut 30134-30147. <https://doi.org/10.1039/c5cp03548a>

Marsalek, O, Uhlig, F, Vandevondele, J & Jungwirth, P 2012, 'Structure, dynamics, and reactivity of hydrated electrons by Ab initio molecular dynamics', *Accounts of Chemical Research*, Vuosikerta. 45, Nro 1, Sivut 23-32. <https://doi.org/10.1021/ar200062m>

Marsalek, O, Elles, CG, Pieniazek, PA, Pluhaov, E, Vandevondele, J, Bradforth, SE & Jungwirth, P 2011, 'Chasing charge localization and chemical reactivity following photoionization in liquid water', *Journal of Chemical Physics*, Vuosikerta. 135, Nro 22, 224510. <https://doi.org/10.1063/1.3664746>

Mason, PE, Uhlig, F, Vaněk, V, Buttersack, T, Bauerecker, S & Jungwirth, P 2015, 'Coulomb explosion during the early stages of the reaction of alkali metals with water', *Nature Chemistry*, Vuosikerta. 7, Nro 3, Sivut 250-254. <https://doi.org/10.1038/nchem.2161>

Mason, PE, Wernersson, E & Jungwirth, P 2012, 'Accurate description of aqueous carbonate ions: An effective polarization model verified by neutron scattering', *Journal of Physical Chemistry Part B*, Vuosikerta. 116, Nro 28, Sivut 8145-8153. <https://doi.org/10.1021/jp3008267>

- Matikainen, V, Rubio Peregrina, S, Ojala, N, Koivuluoto, H, Schubert, J, Houdková, & Vuoristo, P 2019, 'Erosion wear performance of WC-10Co4Cr and Cr₃C₂-25NiCr coatings sprayed with high-velocity thermal spray processes', *Surface and Coatings Technology*, Vuosikerta. 370, Sivut 196-212. <https://doi.org/10.1016/j.surfcoat.2019.04.067>
- Matsuo, S, Yamazoe, S, Goh, J-Q, Akola, J & Tsukuda, T 2016, 'The electrooxidation-induced structural changes of gold di-superatomic molecules: Au₂₃ vs. Au₂₅', *Physical Chemistry Chemical Physics*, Vuosikerta. 18, Nro 6, Sivut 4822-4827. <https://doi.org/10.1039/c5cp06969f>
- McManamon, C, O'Connell, J, Delaney, P, Rasappa, S, Holmes, JD & Morris, MA 2015, 'A facile route to synthesis of S-doped TiO₂ nanoparticles for photocatalytic activity', *Journal of Molecular Catalysis A: Chemical*, Vuosikerta. 406, Sivut 51-57!. <https://doi.org/10.1016/j.molcata.2015.05.002>
- McManamon, C, Delaney, P, Kavanagh, C, Wang, JJ, Rasappa, S & Morris, MA 2013, 'Depth profiling of PLGA copolymer in a novel biomedical bilayer using confocal raman spectroscopy', *Langmuir*, Vuosikerta. 29, Nro 19, Sivut 5905-5910. <https://doi.org/10.1021/la400402a>
- Mehrang, S, Pietilä, J & Korhonen, I 2018, 'An activity recognition framework deploying the random forest classifier and a single optical heart rate monitoring and triaxial accelerometer wrist-band', *Sensors*, Vuosikerta. 18, Nro 2, 613. <https://doi.org/10.3390/s18020613>
- Melcr, J, Martinez-Seara, H, Nencini, R, Kolafa, J, Jungwirth, P & Ollila, OHS 2018, 'Accurate Binding of Sodium and Calcium to a POPC Bilayer by Effective Inclusion of Electronic Polarization', *Journal of Physical Chemistry B*, Vuosikerta. 122, Nro 16, Sivut 4546-4557. <https://doi.org/10.1021/acs.jpcc.7b12510>
- Mettänen, M & Hirn, U 2015, 'A comparison of five optical surface topography measurement methods', *TAPPI Journal*, Vuosikerta. 14, Nro 1, Sivut 27-38.
- Milani, R, Houbenov, N, Fernandez-Palacio, F, Cavallo, G, Luzio, A, Haataja, J, Giancane, G, Saccone, M, Priimägi, A, Metrangolo, P & Ikkala, O 2017, 'Hierarchical Self-Assembly of Halogen-Bonded Block Copolymer Complexes into Upright Cylindrical Domains', *Chem*, Vuosikerta. 2, Nro 3, Sivut 417-426. <https://doi.org/10.1016/j.chempr.2017.02.003>
- Milanti, A, Matikainen, V, Koivuluoto, H, Bolelli, G, Lusvarghi, L & Vuoristo, P 2015, 'Effect of spraying parameters on the microstructural and corrosion properties of HVOF-sprayed Fe-Cr-Ni-B-C coatings', *Surface and Coatings Technology*, Vuosikerta. 277, Sivut 81-90. <https://doi.org/10.1016/j.surfcoat.2015.07.018>
- Miller, AE, Petersen, PB, Hollars, CW, Saykally, RJ, Heyda, J & Jungwirth, P 2011, 'Behavior of β-amyloid 1-16 at the air-water interface at varying pH by nonlinear spectroscopy and molecular dynamics simulations', *Journal of Physical Chemistry A*, Vuosikerta. 115, Nro 23, Sivut 5873-5880. <https://doi.org/10.1021/jp110103j>
- Milne, D, Wilson, JIB, Rantala, TT & Lenkkeri, J 1989, 'Morphological and structural changes in laser CVD of silicon: comparison of theoretical temperature calculations with experimental results', *Applied Surface Science*, Vuosikerta. 43, Nro 1-4, Sivut 81-86. [https://doi.org/10.1016/0169-4332\(89\)90194-3](https://doi.org/10.1016/0169-4332(89)90194-3)
- Mohanty, AK, Ghosh, A, Sawai, P, Pareek, K, Banerjee, S, Das, A, Pötschke, P, Heinrich, G & Voit, B 2014, 'Electromagnetic interference shielding effectiveness of MWCNT filled poly(ether sulfone) and poly(ether imide) nanocomposites', *Polymer Engineering and Science*, Vuosikerta. 54, Nro 11, Sivut 2560-2570. <https://doi.org/10.1002/pen.23804>
- Mojica, E, Pertuz, S & Arguello, H 2017, 'High-resolution coded-aperture design for compressive X-ray tomography using low resolution detectors', *Optics Communications*, Vuosikerta. 404, Sivut 103-109. <https://doi.org/10.1016/j.optcom.2017.06.053>

Mokarian-Tabari, P, Cummins, C, Rasappa, S, Simao, C, Torres, CMS, Holmes, JD & Morris, MA 2014, 'Study of the kinetics and mechanism of rapid self-assembly in block copolymer thin films during solvo-microwave annealing', *Langmuir*, Vuosikerta. 30, Nro 35, Sivut 10728-10739. <https://doi.org/10.1021/la503137q>

Molnar, W, Nugent, S, Lindroos, M, Apostol, M & Varga, M 2015, 'Ballistic and numerical simulation of impacting goods on conveyor belt rubber', *Polymer Testing*, Vuosikerta. 42, Sivut 1-7. <https://doi.org/10.1016/j.polymertesting.2014.12.001>

Moormann, W, Tellkamp, T, Stadler, E, Röhrich, F, Näther, C, Puttreddy, R, Rissanen, K, Gescheidt, G & Herges, R 2020, 'Efficient Conversion of Light to Chemical Energy: Directional, Chiral Photoswitches with Very High Quantum Yields', *Angewandte Chemie - International Edition*, Vuosikerta. 59, Nro 35, Sivut 15081-15086. <https://doi.org/10.1002/anie.202005361>

Moradi, M, Enkavi, G & Tajkhorshid, E 2015, 'Atomic-level characterization of transport cycle thermodynamics in the glycerol-3-phosphate: Phosphate antiporter', *Nature Communications*, Vuosikerta. 6, 8393. <https://doi.org/10.1038/ncomms9393>

Mordon, S & Bourg-Heckly, G 2015, 'Photodiagnostic et chirurgie guidés par la fluorescence', *ACTUALITE CHIMIQUE*, Nro 397-398, Sivut 41-45.

Mubarakali, D, Praveenkumar, R, Shenbagavalli, T, Mari Nivetha, T, Parveez Ahamed, A, Al-Dhabi, NA & Thajuddin, N 2012, 'New reports on anti-bacterial and anti-candidal activities of fatty acid methyl esters (FAME) obtained from *Scenedesmus bijugatus* var. *bicellularis* biomass', *RSC Advances*, Vuosikerta. 2, Nro 30, Sivut 11552-11556. <https://doi.org/10.1039/c2ra21130k>

Mylläri, V, Fatarella, E, Ruzzante, M, Pogni, R, Baratto, MC, Skrifvars, M, Syrjälä, S & Järvelä, P 2015, 'Production of sulfonated polyetheretherketone/polypropylene fibers for photoactive textiles', *Journal of Applied Polymer Science*, Vuosikerta. 132, Nro 39, 42595. <https://doi.org/10.1002/app.42595>

Mylläri, V, Ruoko, T-P & Syrjälä, S 2015, 'A comparison of rheology and FTIR in the study of polypropylene and polystyrene photodegradation', *Journal of Applied Polymer Science*, Vuosikerta. 132, Nro 28, 42246. <https://doi.org/10.1002/app.42246>

Mylläri, V, Hartikainen, S, Poliakova, V, Anderson, R, Jönkkäri, I, Pasanen, P, Andersson, M & Vuorinen, J 2016, 'Detergent impurity effect on recycled HDPE: Properties after repetitive processing', *Journal of Applied Polymer Science*, Vuosikerta. 133, Nro 31, 43766. <https://doi.org/10.1002/app.43766>

Nair, AK, Bhavitha, KB, Perumbilavil, S, Sankar, P, Rouxel, D, Kala, MS, Thomas, S & Kalarikkal, N 2018, 'Multifunctional nitrogen sulfur co-doped reduced graphene oxide – Ag nano hybrids (sphere, cube and wire) for nonlinear optical and SERS applications', *Carbon*, Vuosikerta. 132, Sivut 380-393. <https://doi.org/10.1016/j.carbon.2018.02.068>

Nandre, KP, Salunke, JK, Nandre, JP, Patil, VS, Borse, AU & Bhosale, SV 2012, 'Glycerol mediated synthesis of 5-substituted 1H-tetrazole under catalyst free conditions', *Chinese Chemical Letters*, Vuosikerta. 23, Nro 2, Sivut 161-164. <https://doi.org/10.1016/j.ccllet.2011.11.019>

Näreoja, T, Ebner, A, Gruber, HJ, Taskinen, B, Kienberger, F, Hänninen, PE, Hytönen, VP, Hinterdorfer, P & Härmä, H 2014, 'Kinetics of bioconjugate nanoparticle label binding in a sandwich-type immunoassay', *Analytical and Bioanalytical Chemistry*, Vuosikerta. 406, Nro 2, Sivut 493-503. <https://doi.org/10.1007/s00216-013-7474-0>

Närhi, M, Salmela, L, Toivonen, J, Billet, C, Dudley, JM & Genty, G 2018, 'Machine learning analysis of extreme events in optical fibre modulation instability', *Nature Communications*, Vuosikerta. 9, Nro 1. <https://doi.org/10.1038/s41467-018-07355-y>

Nazir, R, Bourquard, F, Balčiūnas, E, Smoleń, S, Gray, D, Tkachenko, NV, Farsari, M & Gryko, DT 2015, 'π-Expanded α,β-unsaturated ketones: Synthesis, optical properties, and two-photon-induced polymerization', *ChemPhysChem*, Vuosikerta. 16, Nro 3, Sivut 682–690. <https://doi.org/10.1002/cphc.201402646>

Nieminen, V, Karjalainen, M, Salminen, K, Rantala, J, Kontunen, A, Isokoski, P, Müller, P, Kallio, P, Surakka, V & Lekkala, J 2018, 'A compact olfactometer for IMS measurements and testing human perception', *International Journal for Ion Mobility Spectrometry*, Vuosikerta. 21, Nro 3, Sivut 71-80. <https://doi.org/10.1007/s12127-018-0235-1>

Nisato, G, Lupo, D & Ganz, S (toim) 2016, *Organic and Printed Electronics: Fundamentals and Applications*. 1 toim, PAN STANFORD PUBLISHING, Singapore. <https://doi.org/10.1201/b20043>

Niskanen, M, Kuisma, M, Cramariuc, O, Golovanov, V, Hukka, TI, Tkachenko, N & Rantala, TT 2013, 'Porphyrin adsorbed on the (1010) surface of the wurtzite structure of ZnO-conformation induced effects on the electron transfer characteristics', *Physical Chemistry Chemical Physics*, Vuosikerta. 15, Nro 40, Sivut 17408-17418. <https://doi.org/10.1039/c3cp51685g>

Nogueira, IBR, Ribeiro, AM, Martins, MAF, Rodrigues, AE, Koivisto, H & Loureiro, JM 2017, 'Dynamics of a True Moving Bed separation process: Linear model identification and advanced process control', *Journal of Chromatography A*, Vuosikerta. 1504. <https://doi.org/10.1016/j.chroma.2017.04.060>

Ntziachristos, L, Saukko, E, Lehtoranta, K, Rönkkö, T, Timonen, H, Simonen, P, Karjalainen, P & Keskinen, J 2016, 'Particle emissions characterization from a medium-speed marine diesel engine with two fuels at different sampling conditions', *Fuel*, Vuosikerta. 186, Sivut 456-465. <https://doi.org/10.1016/j.fuel.2016.08.091>

Nykänen, H, Mpamah, PA & Rissanen, AJ 2018, 'Stable carbon isotopic composition of peat columns, subsoil and vegetation on natural and forestry-drained boreal peatlands', *Isotopes in Environmental and Health Studies*, Vuosikerta. 54, Nro 6. <https://doi.org/10.1080/10256016.2018.1523158>

Nymark, P, Bakker, M, Dekkers, S, Franken, R, Fransman, W, García-Bilbao, A, Greco, D, Gulumian, M, Hadrup, N, Halappanavar, S, Hongisto, V, Hougaard, KS, Jensen, KA, Kohonen, P, Koivisto, AJ, Dal Maso, M, Oosterwijk, T, Poikkimäki, M, Rodriguez-Llopis, I, Stierum, R, Sørli, JB & Grafström, R 2020, 'Toward Rigorous Materials Production: New Approach Methodologies Have Extensive Potential to Improve Current Safety Assessment Practices', *Small*, Vuosikerta. 16, Nro 6, 1904749. <https://doi.org/10.1002/smll.201904749>

Ojha, N, Nguyen, H, Laihininen, T, Salminen, T, Lastusaari, M & Petit, L 2018, 'Decomposition of persistent luminescent microparticles in corrosive phosphate glass melt', *Corrosion Science*, Vuosikerta. 135, Sivut 207-214. <https://doi.org/10.1016/j.corsci.2018.02.050>

Ojha, N, Tuomisto, M, Lastusaari, M & Petit, L 2018, 'Upconversion from fluorophosphate glasses prepared with NaYF₄:Er³⁺, Yb³⁺ nanocrystals', *RSC Advances*, Vuosikerta. 8, Nro 34, Sivut 19226-19236. <https://doi.org/10.1039/c8ra03298j>

Ojha, N, Szczodra, A, Boetti, NG, Massera, J & Petit, L 2020, 'Nucleation and growth behavior of Er³⁺ doped oxyfluorophosphate glasses', *RSC Advances*, Vuosikerta. 10, Nro 43, Sivut 25703-25716. <https://doi.org/10.1039/d0ra04681g>

Oksa, M, Varis, T & Ruusuvoori, K 2014, 'Performance testing of iron based thermally sprayed HVOF coatings in a biomass-fired fluidised bed boiler', *Surface and Coatings Technology*, Vuosikerta. 251, Sivut 191-200. <https://doi.org/10.1016/j.surfcoat.2014.04.025>

Oksala, NKJ, Ekmekçi, FG, Özsoy, E, Kirankaya, Ş, Kokkola, T, Emecen, G, Lappalainen, J, Kaarniranta, K & Atalay, M 2014, 'Natural thermal adaptation increases heat shock protein levels and decreases oxidative stress', *REDOX BIOLOGY*, Vuosikerta. 3, Sivut 25-28. <https://doi.org/10.1016/j.redox.2014.10.003>

Oliveira, LMC, Koivisto, H, Iwakiri, IGI, Loureiro, JM, Ribeiro, AM & Nogueira, IBR 2020, 'Modelling of a pressure swing adsorption unit by deep learning and artificial intelligence tools', *Chemical Engineering Science*, Vuosikerta. 224, 115801. <https://doi.org/10.1016/j.ces.2020.115801>

Olżyńska, A, Kulig, W, Mikkolainen, H, Czerniak, T, Jurkiewicz, P, Cwiklik, L, Rog, T, Hof, M, Jungwirth, P & Vattulainen, I 2020, 'Tail-Oxidized Cholesterol Enhances Membrane Permeability for Small Solutes', *Langmuir*, Vuosikerta. 36, Nro 35, Sivut 10438-10447. <https://doi.org/10.1021/acs.langmuir.0c01590>

Ometov, A, Bezzateev, S, Davydov, V, Shchesniak, A, Masek, P, Lohan, ES & Koucheryavy, Y 2019, 'Positioning information privacy in intelligent transportation systems: An overview and future perspective', *Sensors*, Vuosikerta. 19, Nro 7, 1603. <https://doi.org/10.3390/s19071603>

Ometov, A, Bezzateev, S, Voloshina, N, Masek, P & Komarov, M 2019, 'Environmental monitoring with distributed mesh networks: An overview and practical implementation perspective for urban scenario', *Sensors (Switzerland)*, Vuosikerta. 19, Nro 24, 5548. <https://doi.org/10.3390/s19245548>

Orlowski, A, Kukkurainen, S, Pöyry, A, Rissanen, S, Vattulainen, I, Hytönen, VP & Róg, T 2015, 'PIP2 and Talin Join Forces to Activate Integrin', *Journal of Physical Chemistry Part B*, Vuosikerta. 119, Nro 38, Sivut 12381-12389. <https://doi.org/10.1021/acs.jpcc.5b06457>

Paananen, RO, Javanainen, M, Holopainen, JM & Vattulainen, I 2019, 'Crystalline Wax Esters Regulate the Evaporation Resistance of Tear Film Lipid Layers Associated with Dry Eye Syndrome', *Journal of Physical Chemistry Letters*, Vuosikerta. 10, Nro 14, Sivut 3893-3898. <https://doi.org/10.1021/acs.jpcclett.9b01187>

Pakarinen, O, Lehtomäki, A & Rintala, J 2008, 'Batch dark fermentative hydrogen production from grass silage: The effect of inoculum, pH, temperature and VS ratio', *International Journal of Hydrogen Energy*, Vuosikerta. 33, Nro 2, Sivut 594-601. <https://doi.org/10.1016/j.ijhydene.2007.10.008>

Pale, V, Nikkonen, T, Vapaavuori, J, Kostianen, M, Kavakka, J, Selin, J, Tittonen, I & Helaja, J 2013, 'Biomimetic zinc chlorin-poly(4-vinylpyridine) assemblies: Doping level dependent emission-absorption regimes', *Journal of Materials Chemistry C*, Vuosikerta. 1, Nro 11, Sivut 2166-2173. <https://doi.org/10.1039/c3tc00499f>

Palivec, V, Pluharová, E, Unger, I, Winter, B & Jungwirth, P 2014, 'DNA lesion can facilitate base ionization: Vertical ionization energies of aqueous 8-oxoguanine and its nucleoside and nucleotide', *Journal of Physical Chemistry Part B*, Vuosikerta. 118, Nro 48, Sivut 13833-13837. <https://doi.org/10.1021/jp5111086>

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

Pasanen, HP, Vivo, P, Canil, L, Hempel, H, Unold, T, Abate, A & Tkachenko, NV 2020, 'Monitoring Charge Carrier Diffusion across a Perovskite Film with Transient Absorption Spectroscopy', *The journal of physical chemistry letters*, Vuosikerta. 11, Nro 2, Sivut 445-450. <https://doi.org/10.1021/acs.jpcclett.9b03427>

Passananti, M, Zapadinsky, E, Zanca, T, Kangasluoma, J, Myllys, N, Rissanen, MP, Kurtén, T, Ehn, M, Attoui, M & Vehkamäki, H 2019, 'How well can we predict cluster fragmentation inside a mass spectrometer?', *Chemical Communications*, Vuosikerta. 55, Nro 42, Sivut 5946-5949. <https://doi.org/10.1039/c9cc02896j>

Paterová, J, Rembert, KB, Heyda, J, Kurra, Y, Okur, HI, Liu, WR, Hilty, C, Cremer, PS & Jungwirth, P 2013, 'Reversal of the Hofmeister series: Specific ion effects on peptides', *Journal of Physical Chemistry Part B*, Vuosikerta. 117, Nro 27, Sivut 8150-8158. <https://doi.org/10.1021/jp405683s>

Pegado, L, Marsalek, O, Jungwirth, P & Wernersson, E 2012, 'Solvation and ion-pairing properties of the aqueous sulfate anion: Explicit versus effective electronic polarization', *Physical Chemistry Chemical Physics*, Vuosikerta. 14, Nro 29, Sivut 10248-10257. <https://doi.org/10.1039/c2cp40711f>

Pekkanen, TT, Timonen, RS, Lendvay, G, Rissanen, MP & Eskola, AJ 2019, 'Kinetics and thermochemistry of the reaction of 3-methylpropargyl radical with molecular oxygen', *PROCEEDINGS OF THE COMBUSTION INSTITUTE*, Vuosikerta. 37, Nro 1, Sivut 299-306. <https://doi.org/10.1016/j.proci.2018.05.050>

Pelado, B, Abou-Chahine, F, Calbo, J, Caballero, R, delaCruz, P, Junquera-Hernández, JM, Ortí, E, Tkachenko, NV & Langa, F 2015, 'Role of the bridge in photoinduced electron transfer in porphyrin-fullerene dyads', *Chemistry: A European Journal*, Vuosikerta. 21, Nro 15, Sivut 5814-5825. <https://doi.org/10.1002/chem.201406514>

Pelkonen, A, Mzezewa, R, Sukki, L, Ryyänen, T, Kreutzer, J, Hyvärinen, T, Vinogradov, A, Aarnos, L, Lekkala, J, Kallio, P & Narkilahti, S 2020, 'A modular brain-on-a-chip for modelling epileptic seizures with functionally connected human neuronal networks', *Biosensors and Bioelectronics*, Vuosikerta. 168, 112553. <https://doi.org/10.1016/j.bios.2020.112553>

Pelto, JM, Haimi, SP, Siljander, AS, Miettinen, SS, Tappura, KM, Higgins, MJ & Wallace, GG 2013, 'Surface properties and interaction forces of biopolymer-doped conductive polypyrrole surfaces by atomic force microscopy', *Langmuir*, Vuosikerta. 29, Nro 20, Sivut 6099-6108. <https://doi.org/10.1021/la4009366>

Perander, M, DeMartini, N, Brink, A, Kramb, J, Karlström, O, Hemming, J, Moilanen, A, Konttinen, J & Hupa, M 2015, 'Catalytic effect of Ca and K on CO₂ gasification of spruce wood char', *Fuel*, Vuosikerta. 150, Sivut 464-472. <https://doi.org/10.1016/j.fuel.2015.02.062>

Perumbilavil, S, Sridharan, K, Abraham, AR, Janardhanan, HP, Kalarikkal, N & Philip, R 2016, 'Nonlinear transmittance and optical power limiting in magnesium ferrite nanoparticles: effects of laser pulsewidth and particle size', *RSC Advances*, Vuosikerta. 6, Nro 108, Sivut 106754-106761. <https://doi.org/10.1039/c6ra15788b>

Perumbilavil, S, Piccardi, A, Barboza, R, Buchnev, O, Kauranen, M, Strangi, G & Assanto, G 2018, 'Beaming random lasers with soliton control', *Nature Communications*, Vuosikerta. 9, Nro 1, 3863. <https://doi.org/10.1038/s41467-018-06170-9>

Petrov, M, Cwiklik, L & Jungwirth, P 2011, 'Interactions of molecular ions with model phospholipid membranes', *Collection of Czechoslovak Chemical Communications*, Vuosikerta. 76, Nro 6, Sivut 695-711. <https://doi.org/10.1135/cccc2011026>

Piccardi, A, Alberucci, A, Kravets, N, Buchnev, O & Assanto, G 2017, 'Nematicon-enhanced spontaneous symmetry breaking', *Molecular Crystals and Liquid Crystals*, Vuosikerta. 649, Nro 1, Sivut 59-65. <https://doi.org/10.1080/15421406.2017.1303916>

Pilehrood, MK, Atashi, A, Sadeghi-Aliabadi, H, Nousiainen, P & Harlin, A 2016, '3D micro-nano structured hybrid scaffolds: An investigation into the role of nanofiber coating on viability, proliferation and differentiation of seeded mesenchymal stem cells', *Journal Nanoscience and Nanotechnology*, Vuosikerta. 16, Nro 9, Sivut 9000-9007. <https://doi.org/10.1166/jnn.2016.12740>

Pirhonen, M, Peltokangas, M & Vehkaoja, A 2018, 'Acquiring respiration rate from photoplethysmographic signal by recursive bayesian tracking of intrinsic modes in time-frequency spectra', *Sensors*, Vuosikerta. 18, Nro 6, 1693. <https://doi.org/10.3390/s18061693>

Pirjola, L, Karjalainen, P, Heikkilä, J, Saari, S, Tzamkiozis, T, Ntziachristos, L, Kulmala, K, Keskinen, J & Rönkkö, T 2015, 'Effects of fresh lubricant oils on particle emissions emitted by a modern gasoline direct injection passenger car', *Environmental Science and Technology*, Vuosikerta. 49, Nro 6, Sivut 3644-3652. <https://doi.org/10.1021/es505109u>

Pirjola, L, Dittrich, A, Niemi, JV, Saarikoski, S, Timonen, H, Kuuluvainen, H, Järvinen, A, Kousa, A, Rönkkö, T & Hillamo, R 2016, 'Physical and Chemical Characterization of Real-World Particle Number and Mass Emissions from City Buses in Finland', *Environmental Science and Technology*, Vuosikerta. 50, Nro 1, Sivut 294-304. <https://doi.org/10.1021/acs.est.5b04105>

Pirjola, L, Rönkkö, T, Saukko, E, Parviainen, H, Malinen, A, Alanen, J & Saveljeff, H 2017, 'Exhaust emissions of non-road mobile machine: Real-world and laboratory studies with diesel and HVO fuels', *Fuel*, Vuosikerta. 202, Sivut 154-164. <https://doi.org/10.1016/j.fuel.2017.04.029>

Pluhařová, E, Marsalek, O, Schmidt, B & Jungwirth, P 2012, 'Peptide salt bridge stability: From gas phase via microhydration to bulk water simulations', *Journal of Chemical Physics*, Vuosikerta. 137, Nro 18, 185101. <https://doi.org/10.1063/1.4765052>

Pluhařová, E, Slaviček, P & Jungwirth, P 2015, 'Modeling photoionization of aqueous DNA and its components', *Accounts of Chemical Research*, Vuosikerta. 48, Nro 5, Sivut 1209-1217. <https://doi.org/10.1021/ar500366z>

Pluhařová, E, Fischer, HE, Mason, PE & Jungwirth, P 2014, 'Hydration of the chloride ion in concentrated aqueous solutions using neutron scattering and molecular dynamics', *Molecular Physics*, Vuosikerta. 112, Nro 9-10, Sivut 1230-1240. <https://doi.org/10.1080/00268976.2013.875231>

Pluhařová, E, Mason, PE & Jungwirth, P 2013, 'Ion pairing in aqueous lithium salt solutions with monovalent and divalent counter-anions', *Journal of Physical Chemistry A*, Vuosikerta. 117, Nro 46, Sivut 11766-11773. <https://doi.org/10.1021/jp402532e>

Pluhařová, E, Ončák, M, Seidel, R, Schroeder, C, Schroeder, W, Winter, B, Bradforth, SE, Jungwirth, P & Slaviček, P 2012, 'Transforming anion instability into stability: Contrasting photoionization of three protonation forms of the phosphate ion upon moving into water', *Journal of Physical Chemistry Part B*, Vuosikerta. 116, Nro 44, Sivut 13254-13264. <https://doi.org/10.1021/jp306348b>

Pluhařová, E, Jungwirth, P, Bradforth, SE & Slaviček, P 2011, 'Ionization of purine tautomers in nucleobases, nucleosides, and nucleotides: From the gas phase to the aqueous environment', *Journal of Physical Chemistry Part B*, Vuosikerta. 115, Nro 5, Sivut 1294-1305. <https://doi.org/10.1021/jp110388v>

Poikelispää, M, Shakun, A, Das, A & Vuorinen, J 2016, 'Improvement of actuation performance of dielectric elastomers by barium titanate and carbon black fillers', *Journal of Applied Polymer Science*, Vuosikerta. 133, Nro 42, 44116. <https://doi.org/10.1002/app.44116>

Poikelispää, M, Shakun, A, Sarlin, E, Das, A & Vuorinen, J 2017, 'Vegetable fillers for electric stimuli responsive elastomers', *Journal of Applied Polymer Science*, Vuosikerta. 134, Nro 28, 45081. <https://doi.org/10.1002/app.45081>

Poikkimäki, M, Koljonen, V, Leskinen, N, Närhi, M, Kangasniemi, O, Kausiala, O & Dal Maso, M 2019, 'Nanocluster Aerosol Emissions of a 3D Printer', *Environmental Science and Technology*, Vuosikerta. 53, Nro 23, Sivut 13618-13628. <https://doi.org/10.1021/acs.est.9b05317>

Pollheimer, P, Taskinen, B, Scherfler, A, Gusenkov, S, Creus, M, Wiesauer, P, Zauner, D, Schöfberger, W, Schwarzinger, C, Ebner, A, Tampé, R, Stutz, H, Hytönen, VP & Gruber, HJ 2013, 'Reversible biofunctionalization of surfaces with a switchable mutant of avidin', *Bioconjugate Chemistry*, Vuosikerta. 24, Nro 10, Sivut 1656-1668. <https://doi.org/10.1021/bc400087e>

Poojari, C, Wilkosz, N, Lira, RB, Dimova, R, Jurkiewicz, P, Petka, R, Kepczynski, M & Róg, T 2019, 'Behavior of the DPH fluorescence probe in membranes perturbed by drugs', *Chemistry and Physics of Lipids*, Vuosikerta. 223, 104784. <https://doi.org/10.1016/j.chemphyslip.2019.104784>

Poutanen, M, Ikkala, O & Priimägi, A 2016, 'Structurally Controlled Dynamics in Azobenzene-Based Supramolecular Self-Assemblies in Solid State', *Macromolecules*, Vuosikerta. 49, Nro 11, Sivut 4095-4101. <https://doi.org/10.1021/acs.macromol.6b00562>

Poutanen, M, Ahmed, Z, Rautkari, L, Ikkala, O & Priimägi, A 2018, 'Thermal Isomerization of Hydroxyazobenzenes as a Platform for Vapor Sensing', *ACS Macro Letters*, Vuosikerta. 7, Nro 3, Sivut 381-386. <https://doi.org/10.1021/acsmacrolett.8b00093>

- Priimagi, A, Barrett, CJ & Shishido, A 2014, 'Recent twists in photoactuation and photoalignment control', *Journal of Materials Chemistry C*, Vuosikerta. 2, Nro 35, Sivut 7155-7162. <https://doi.org/10.1039/c4tc01236d>
- Priimagi, A & Shevchenko, A 2014, 'Azopolymer-based micro- and nanopatterning for photonic applications', *Journal of Polymer Science. Part B, Polymer Physics*, Vuosikerta. 52, Nro 3, Sivut 163-182. <https://doi.org/10.1002/polb.23390>
- Priimagi, A, Cavallo, G, Metrangolo, P & Resnati, G 2013, 'The Halogen Bond in the Design of Functional Supramolecular Materials: Recent Advances', *Accounts of Chemical Research*, Vuosikerta. 46, Nro 11, Sivut 2686-2695. <https://doi.org/10.1021/ar400103r>
- Priimagi, A, Shimamura, A, Kondo, M, Hiraoka, T, Kubo, S, Mamiya, JI, Kinoshita, M, Ikeda, T & Shishido, A 2012, 'Location of the Azobenzene moieties within the cross-linked liquid-crystalline polymers can dictate the direction of photoinduced bending', *ACS Macro Letters*, Vuosikerta. 1, Nro 1, Sivut 96-99. <https://doi.org/10.1021/mz200056w>
- Priimagi, A, Cavallo, G, Forni, A, Gorynsztejn-Leben, M, Kaivola, M, Metrangolo, P, Milani, R, Shishido, A, Pilati, T, Resnati, G & Terraneo, G 2012, 'Halogen bonding versus hydrogen bonding in driving self-assembly and performance of light-responsive supramolecular polymers', *Advanced Functional Materials*, Vuosikerta. 22, Nro 12, Sivut 2572-2579. <https://doi.org/10.1002/adfm.201200135>
- Puustinen, J, Hilska, J & Guina, M 2019, 'Analysis of GaAsBi growth regimes in high resolution with respect to As/Ga ratio using stationary MBE growth', *Journal of Crystal Growth*, Vuosikerta. 511, Sivut 33-41. <https://doi.org/10.1016/j.jcrysgro.2019.01.010>
- Raappana, M, Polojärvi, V, Aho, A, Mäkelä, J, Aho, T, Tukiainen, A, Laukkanen, P & Guina, M 2018, 'Wet etching of dilute nitride GalnNAs, GalnNAsSb, and GaNAsSb alloys lattice-matched to GaAs', *Corrosion Science*, Vuosikerta. 136, Sivut 268-274. <https://doi.org/10.1016/j.corsci.2018.03.018>
- Raghuwanshi, S, Deswal, D, Karp, M & Kuhad, RC 2014, 'Bioprocessing of enhanced cellulase production from a mutant of *Trichoderma asperellum* RCK2011 and its application in hydrolysis of cellulose', *Fuel*, Vuosikerta. 124, Sivut 183-189. <https://doi.org/10.1016/j.fuel.2014.01.107>
- Rahaman, O, Kalimeri, M, Melchionna, S, Hénin, J & Sterpone, F 2015, 'Role of Internal Water on Protein Thermal Stability: The Case of Homologous G Domains', *Journal of Physical Chemistry Part B*, Vuosikerta. 119, Nro 29, Sivut 8939-8949. <https://doi.org/10.1021/jp507571u>
- Rahaman, O, Kalimeri, M, Katava, M, Paciaroni, A & Sterpone, F 2017, 'Configurational Disorder of Water Hydrogen-Bond Network at the Protein Dynamical Transition', *Journal of Physical Chemistry Part B*, Vuosikerta. 121, Nro 28, Sivut 6792-6798. <https://doi.org/10.1021/acs.jpcc.7b03888>
- Railanmaa, A, Lehtimäki, S & Lupo, D 2017, 'Comparison of starch and gelatin hydrogels for non-toxic supercapacitor electrolytes', *Applied Physics A-Materials Science and Processing*, Vuosikerta. 123, Nro 6, 459. <https://doi.org/10.1007/s00339-017-1068-1>
- Rajala, S, Schouten, M, Krijnen, G & Tuukkanen, S 2018, 'High Bending-Mode Sensitivity of Printed Piezoelectric Poly(vinylidene fluoride- co-trifluoroethylene) Sensors', *ACS Omega*, Vuosikerta. 3, Nro 7, Sivut 8067-8073. <https://doi.org/10.1021/acsomega.8b01185>
- Rajan, R, Rainosalo, E, Thomas, SP, Ramamoorthy, SK, Zavašnik, J, Vuorinen, J & Skrifvars, M 2018, 'Modification of epoxy resin by silane-coupling agent to improve tensile properties of viscose fabric composites', *Polymer Bulletin*, Vuosikerta. 75, Nro 1, Sivut 167-195. <https://doi.org/10.1007/s00289-017-2022-2>
- Rajan, R, Rainosalo, E, Ramamoorthy, SK, Thomas, SP, Zavašnik, J, Vuorinen, J & Skrifvars, M 2018, 'Mechanical, thermal, and burning properties of viscose fabric composites: Influence of epoxy resin modification', *Journal of Applied Polymer Science*, Vuosikerta. 135, Nro 36, 46673. <https://doi.org/10.1002/app.46673>

- Rantala, TS, Rantala, TT & Lantto, V 2000, 'Computational studies for the interpretation of gas response of SnO₂(110) surface', *Sensors and Actuators B: Chemical*, Vuosikerta. 65, Nro 1, Sivut 375-378. [https://doi.org/10.1016/S0925-4005\(99\)00292-0](https://doi.org/10.1016/S0925-4005(99)00292-0)
- Rantala, TT, Rantala, TS & Lantto, V 1999, 'Surface relaxation of the (110) face of rutile SnO₂', *Surface Science*, Vuosikerta. 420, Nro 1, Sivut 103-109. [https://doi.org/10.1016/S0039-6028\(98\)00833-4](https://doi.org/10.1016/S0039-6028(98)00833-4)
- Rantala, T, Lantto, V & Rantala, T 1998, 'Computational approaches to the chemical sensitivity of semiconducting tin dioxide', *Sensors and Actuators B: Chemical*, Vuosikerta. 47, Nro 1-3, Sivut 59-64. [https://doi.org/10.1016/S0925-4005\(98\)00007-0](https://doi.org/10.1016/S0925-4005(98)00007-0)
- Rantala, TT, Rantala, TS, Lantto, V & Vaara, J 1996, 'Surface relaxation of the (1010) face of wurtzite CdS', *Surface Science*, Vuosikerta. 352-354, Sivut 77-82. [https://doi.org/10.1016/0039-6028\(95\)01094-7](https://doi.org/10.1016/0039-6028(95)01094-7)
- Rantala, TT, Jelski, DA & George, TF 1995, 'Si₁₀ and photoabsorption spectra of mid-sized silicon clusters', *Chemical Physics Letters*, Vuosikerta. 232, Nro 3, Sivut 215-220. [https://doi.org/10.1016/0009-2614\(94\)01342-S](https://doi.org/10.1016/0009-2614(94)01342-S)
- Rantala, TS, Lantto, V & Rantala, TT 1994, 'A cluster approach for the SnO₂ (110) face', *Sensors and Actuators B: Chemical*, Vuosikerta. 19, Nro 1-3, Sivut 716-719. [https://doi.org/10.1016/0925-4005\(93\)01220-X](https://doi.org/10.1016/0925-4005(93)01220-X)
- Rantala, TS, Lantto, V & Rantala, TT 1993, 'Rate equation simulation of the height of Schottky barriers at the surface of oxidic semiconductors', *Sensors and Actuators B: Chemical*, Vuosikerta. 13, Nro 1-3, Sivut 234-237. [https://doi.org/10.1016/0925-4005\(93\)85369-L](https://doi.org/10.1016/0925-4005(93)85369-L)
- Rantala, TT, Jelski, DA & George, TF 1990, 'Electronic and structural properties of Si₁₀ cluster', *Journal of Cluster Science*, Vuosikerta. 1, Nro 2, Sivut 189-200. <https://doi.org/10.1007/BF00702719>
- Rantala, TT, Rosén, A & Hellsing, B 1986, 'A finite cluster approach to the electron-hole pair damping of the adsorbate vibration: CO adsorbed on Cu(100)', *Journal of Electron Spectroscopy and Related Phenomena*, Vuosikerta. 39, Nro C, Sivut 173-181. [https://doi.org/10.1016/0368-2048\(86\)85045-9](https://doi.org/10.1016/0368-2048(86)85045-9)
- Rantala, TT, Wästberg, B & Rosén, A 1986, 'Potential energy curves for diatomic molecules calculated with numerical basis functions', *Chemical Physics*, Vuosikerta. 109, Nro 2-3, Sivut 261-268. [https://doi.org/10.1016/0301-0104\(86\)87056-2](https://doi.org/10.1016/0301-0104(86)87056-2)
- Rantala, TT, Rosén, A & Hellsing, B 1986, 'A Finite Cluster Approach to the Electron-Hole Pair Damping of the Adsorbate Vibration: CO Adsorbed on Cu(100)', *Studies in Surface Science and Catalysis*, Vuosikerta. 26, Nro C, Sivut 173-181. [https://doi.org/10.1016/S0167-2991\(09\)61238-6](https://doi.org/10.1016/S0167-2991(09)61238-6)
- Rantala, T, Väyrynen, J, Kumpula, R & Aksela, S 1979, 'Direct measurement of the kinetic energy shift between the molecular and atomic M_{4,5}N_{4,5} Auger spectra of iodine', *Chemical Physics Letters*, Vuosikerta. 66, Nro 2, Sivut 384-386. [https://doi.org/10.1016/0009-2614\(79\)85040-X](https://doi.org/10.1016/0009-2614(79)85040-X)
- Rasappa, S, Caridad, JM, Schulte, L, Cagliani, A, Borah, D, Morris, MA, Bøggild, P & Ndoni, S 2015, 'High quality sub-10 nm graphene nanoribbons by on-chip PS-b-PDMS block copolymer lithography', *RSC Advances*, Vuosikerta. 5, Nro 82, Sivut 66711-66717. <https://doi.org/10.1039/c5ra11735f>
- Rasappa, S, Borah, D, Senthamaraiannan, R, Faulkner, CC, Holmes, JD & Morris, MA 2014, 'Fabrication of 3-D nanodimensioned electric double layer capacitor structures using block copolymer templates', *Journal Nanoscience and Nanotechnology*, Vuosikerta. 14, Nro 7, Sivut 5221-5227. <https://doi.org/10.1166/jnn.2014.8668>

Rasappa, S, Schulte, L, Borah, D, Morris, MA & Ndoni, S 2014, 'Rapid, Brushless Self-assembly of a PS-b-PDMS Block Copolymer for Nanolithography', *Colloids and Interface Science Communications*, Vuosikerta. 2, Sivut 1-5. <https://doi.org/10.1016/j.colcom.2014.07.001>

Rasappa, S, Borah, D, Faulkner, CC, Lutz, T, Shaw, MT, Holmes, JD & Morris, MA 2013, 'Fabrication of a sub-10 nm silicon nanowire based ethanol sensor using block copolymer lithography', *Nanotechnology*, Vuosikerta. 24, Nro 6, 065503. <https://doi.org/10.1088/0957-4484/24/6/065503>

Ray, S, Steven, RT, Green, FM, Höök, F, Taskinen, B, Hytönen, VP & Shard, AG 2015, 'Neutralized chimeric avidin binding at a reference biosensor surface', *Langmuir*, Vuosikerta. 31, Nro 6, Sivut 1921-1930. <https://doi.org/10.1021/la503213f>

Razavi, A, Valkama, M & Lohan, ES 2016, 'Robust statistical approaches for RSS-based floor detection in indoor localization', *Sensors*, Vuosikerta. 16, Nro 6, 793. <https://doi.org/10.3390/s16060793>

Reeta, PS, Khetubol, A, Jella, T, Chukharev, V, Abou-Chahine, F, Tkachenko, NV, Giribabu, L & Lemmetyinen, H 2015, 'Photophysical properties of Sn (IV)tetraphenylporphyrin-pyrene dyad with a β -vinyl linker', *Journal of Porphyrins and Phthalocyanines*, Vuosikerta. 19, Nro 1-3, Sivut 288-300. <https://doi.org/10.1142/S1088424615500108>

Reisberg, L, Pärna, R, Kikas, A, Kuusik, I, Kisand, V, Hirsimäki, M, Valden, M & Nömmiste, E 2016, 'UPS and DFT investigation of the electronic structure of gas-phase trimesic acid', *Journal of Electron Spectroscopy and Related Phenomena*, Vuosikerta. 213, Sivut 11-16. <https://doi.org/10.1016/j.elspec.2016.10.004>

Rembert, KB, Paterová, J, Heyda, J, Hilty, C, Jungwirth, P & Cremer, PS 2012, 'Molecular mechanisms of ion-specific effects on proteins', *Journal of the American Chemical Society*, Vuosikerta. 134, Nro 24, Sivut 10039-10046. <https://doi.org/10.1021/ja301297g>

Reshef, O, Saad-Bin-Alam, M, Huttunen, MJ, Carlow, G, Sullivan, BT, Ménard, JM, Dolgaleva, K & Boyd, RW 2019, 'Multiresonant High-Q Plasmonic Metasurfaces', *Nano Letters*, Vuosikerta. 19, Nro 9, Sivut 6429-6434. <https://doi.org/10.1021/acs.nanolett.9b02638>

Rimpiläinen, T, Andrade, J, Nunes, A, Ntungwe, E, Fernandes, AS, Vale, JR, Rodrigues, J, Gomes, JP, Rijo, P & Candeias, NR 2018, 'Aminobenzylated 4-Nitrophenols as Antibacterial Agents Obtained from 5-Nitrosalicylaldehyde through a Petasis Borono-Mannich Reaction', *ACS Omega*, Vuosikerta. 3, Nro 11, Sivut 16191-16202. <https://doi.org/10.1021/acsomega.8b02381>

Rinne, J, Keskinen, J, Berger, PR, Lupo, D & Valkama, M 2018, 'M2M Communication Assessment in Energy-Harvesting and Wake-Up Radio Assisted Scenarios Using Practical Components', *Sensors (Basel, Switzerland)*, Vuosikerta. 18, Nro 11. <https://doi.org/10.3390/s18113992>

Robison, AD, Sun, S, Poyton, MF, Johnson, GA, Pellois, JP, Jungwirth, P, Vazdar, M & Cremer, PS 2016, 'Polyarginine Interacts More Strongly and Cooperatively than Polylysine with Phospholipid Bilayers', *Journal of Physical Chemistry Part B*, Vuosikerta. 120, Nro 35, Sivut 9287-9296. <https://doi.org/10.1021/acs.jpcc.6b05604>

Rocherullé, J, Massera, J, Oudadesse, H, Calvez, L, Trolès, J & Zhang, XH 2016, 'Heat capacities of crystalline and glassy lithium metaphosphate up to the transition region', *Journal of Thermal Analysis and Calorimetry*, Vuosikerta. 123, Nro 1, Sivut 401-407. <https://doi.org/10.1007/s10973-015-4938-9>

Rokade, SS, Joshi, KA, Mahajan, K, Patil, S, Tomar, G, Dubal, DS, Parihar, VS, Kitture, R, Bellare, JR & Ghosh, S 2018, 'Gloriosa superba Mediated Synthesis of Platinum and Palladium Nanoparticles for Induction of Apoptosis in Breast Cancer', *Bioinorganic Chemistry and Applications*, Vuosikerta. 2018, 4924186. <https://doi.org/10.1155/2018/4924186>

Roldin, P, Ehn, M, Kurtén, T, Olenius, T, Rissanen, MP, Sarnela, N, Elm, J, Rantala, P, Hao, L, Hyttinen, N, Heikkinen, L, Worsnop, DR, Pichelstorfer, L, Xavier, C, Clusius, P, Öström, E, Petäjä, T, Kulmala, M, Vehkamäki, H, Virtanen, A, Riipinen, I & Boy, M 2019, 'The role of highly oxygenated organic molecules in the Boreal aerosol-cloud-climate system', *Nature Communications*, Vuosikerta. 10, Nro 1, 4370. <https://doi.org/10.1038/s41467-019-12338-8>

Rooj, S, Das, A, Stöckelhuber, KW, Wang, DY, Galiatsatos, V & Heinrich, G 2013, 'Understanding the reinforcing behavior of expanded clay particles in natural rubber compounds', *Soft Matter*, Vuosikerta. 9, Nro 14, Sivut 3798-3808. <https://doi.org/10.1039/c3sm27519a>

Rooj, S, Das, A, Stöckelhuber, KW, Reuter, U & Heinrich, G 2012, 'Highly exfoliated natural rubber/Clay composites by "propping-open procedure": The influence of fatty-acid chain length on exfoliation', *Macromolecular Materials and Engineering*, Vuosikerta. 297, Nro 4, Sivut 369-383. <https://doi.org/10.1002/mame.201100185>

Rooj, S, Das, A & Heinrich, G 2011, 'Tube-like natural halloysite/fluoroelastomer nanocomposites with simultaneous enhanced mechanical, dynamic mechanical and thermal properties', *European Polymer Journal*, Vuosikerta. 47, Nro 9, Sivut 1746-1755. <https://doi.org/10.1016/j.eurpolymj.2011.06.007>

Ropo, M, Akola, J & Jones, RO 2016, 'Collective excitations and viscosity in liquid Bi', *Journal of Chemical Physics*, Vuosikerta. 145, Nro 18, 184502. <https://doi.org/10.1063/1.4965429>

Ruoko, T-P, Hiltunen, A, Iivonen, T, Ulkuniemi, R, Lahtonen, K, Ali-Löytty, H, Mizohata, K, Valden, M, Leskelä, M & Tkachenko, NV 2019, 'Charge carrier dynamics in tantalum oxide overlayers and tantalum doped hematite photoanodes', *Journal of Materials Chemistry A*, Vuosikerta. 7, Nro 7, Sivut 3206-3215. <https://doi.org/10.1039/C8TA09501A>

Rytkönen, A, Valkealahti, S & Manninen, M 1998, 'Phase diagram of argon clusters', *Journal of Chemical Physics*, Vuosikerta. 108, Nro 14, Sivut 5826-5833. <https://doi.org/10.1063/1.475993>

Rytkönen, A, Valkealahti, S & Manninen, M 1997, 'Melting and evaporation of argon clusters', *Journal of Chemical Physics*, Vuosikerta. 106, Nro 5, Sivut 1888-1892. <https://doi.org/10.1063/1.473327>

Saad-Bin-Alam, M, Reshef, O, Huttunen, MJ, Carlow, G, Sullivan, B, Menard, JM, Dolgaleva, K & Boyd, RW 2019, High-Q resonance train in a plasmonic metasurface. julkaisussa *2019 Conference on Lasers and Electro-Optics, CLEO 2019 - Proceedings*. IEEE, San Jose, Yhdysvallat, 5/05/19. <https://doi.org/10.23919/CLEO.2019.8750206>

Saari, T & Nieminen, J 2019, 'Spin filtering in silicene by edges and chemically or electrically induced interfaces', *Journal of Physics and Chemistry of Solids*, Vuosikerta. 128, Sivut 316-324. <https://doi.org/10.1016/j.jpics.2017.12.037>

Saarikoski, E, Rissanen, M & Seppälä, J 2015, 'Effect of rheological properties of dissolved cellulose/microfibrillated cellulose blend suspensions on film forming', *Carbohydrate Polymers*, Vuosikerta. 119, Sivut 62-70. <https://doi.org/10.1016/j.carbpol.2014.11.033>

Saarimaa, V, Kaleva, A, Nikkanen, J-P, Heinonen, S, Levänen, E, Väisänen, P, Markkula, A & Juhanoja, J 2017, 'Supercritical carbon dioxide treatment of hot dip galvanized steel as a surface treatment before coating', *Surface and Coatings Technology*, Vuosikerta. 331, Sivut 137-142. <https://doi.org/10.1016/j.surfcoat.2017.10.047>

Saarimaa, V, Kaleva, A, Paunikallio, T, Nikkanen, J-P, Heinonen, S, Levänen, E, Väisänen, P & Markkula, A 2018, 'Convenient extraction method for quantification of thin zinc patina layers', *Surface and Interface Analysis*, Vuosikerta. 50, Nro 5, Sivut 564-570. <https://doi.org/10.1002/sia.6429>

Saccone, M, Cavallo, G, Metrangolo, P, Resnati, G & Priimägi, A 2015, Halogen-bonded photoresponsive materials. julkaisussa *Halogen Bonding II: Impact on Materials Chemistry and Life Sciences*. Topics in Current Chemistry, Vuosikerta. 359, Springer International Publishing, Sivut 147-166. https://doi.org/10.1007/128_2014_615

Saccone, M, Dichiarante, V, Furni, A, Goulet-Hanssens, A, Cavallo, G, Vapaavuori, J, Terraneo, G, Barrett, CJ, Resnati, G, Metrangolo, P & Priimägi, A 2015, 'Supramolecular hierarchy among halogen and hydrogen bond donors in light-induced surface patterning', *Journal of Materials Chemistry C*, Vuosikerta. 3, Sivut 759-768. <https://doi.org/10.1039/c4tc02315c>

Saccone, M, Palacio, FF, Cavallo, G, Dichiarante, V, Virkki, M, Terraneo, G, Priimagi, A & Metrangolo, P 2017, 'Photoresponsive ionic liquid crystals assembled: Via halogen bond: En route towards light-controllable ion transporters', *Faraday Discussions*, Vuosikerta. 203, Sivut 407-422. <https://doi.org/10.1039/c7fd00120g>

Saccone, M, Kuntze, K, Ahmed, Z, Siiskonen, A, Giese, M & Priimagi, A 2018, 'Ortho-Fluorination of azophenols increases the mesophase stability of photoresponsive hydrogen-bonded liquid crystals', *Journal of Materials Chemistry C*, Vuosikerta. 6, Nro 37, Sivut 9958-9963. <https://doi.org/10.1039/c8tc02611d>

Sadiek, I, Mikkonen, T, Vainio, M, Toivonen, J & Foltynowicz, A 2018, 'Optical frequency comb photoacoustic spectroscopy', *Physical Chemistry Chemical Physics*, Vuosikerta. 20, Nro 44, Sivut 27849-27855. <https://doi.org/10.1039/c8cp05666h>

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

Saegusa, T, Sakai, H, Nagashima, H, Kobori, Y, Tkachenko, NV & Hasobe, T 2019, 'Controlled Orientations of Neighboring Tetracene Units by Mixed Self-Assembled Monolayers on Gold Nanoclusters for High-Yield and Long-Lived Triplet Excited States through Singlet Fission', *Journal of the American Chemical Society*, Vuosikerta. 141, Nro 37, Sivut 14720-14727. <https://doi.org/10.1021/jacs.9b06567>

Sakai, H, Inaya, R, Tkachenko, NV & Hasobe, T 2018, 'High-Yield Generation of Triplet Excited States by an Efficient Sequential Photoinduced Process from Energy Transfer to Singlet Fission in Pentacene-Modified CdSe/ZnS Quantum Dots', *Chemistry - A European Journal*, Vuosikerta. 24, Nro 64, Sivut 17062-17071. <https://doi.org/10.1002/chem.201803257>

Sakuma, T, Sakai, H, Araki, Y, Mori, T, Wada, T, Tkachenko, NV & Hasobe, T 2016, 'Long-Lived Triplet Excited States of Bent-Shaped Pentacene Dimers by Intramolecular Singlet Fission', *Journal of Physical Chemistry A*, Vuosikerta. 120, Nro 11, Sivut 1867-1875. <https://doi.org/10.1021/acs.jpca.6b00988>

Salmenjoki, H, Alava, MJ & Laurson, L 2018, 'Machine learning plastic deformation of crystals', *Nature Communications*, Vuosikerta. 9, Nro 1, 5307. <https://doi.org/10.1038/s41467-018-07737-2>

Salunke, JK, Wong, FL, Feron, K, Manzhos, S, Lo, MF, Shinde, D, Patil, A, Lee, CS, Roy, VAL, Sonar, P & Wadgaonkar, PP 2016, 'Phenothiazine and carbazole substituted pyrene based electroluminescent organic semiconductors for OLED devices', *Journal of Materials Chemistry C*, Vuosikerta. 4, Nro 5, Sivut 1009-1018. <https://doi.org/10.1039/c5tc03690a>

Salunke, JK, Sonar, P, Wong, FL, Roy, VAL, Lee, CS & Wadgaonkar, PP 2014, 'Pyrene based conjugated materials: Synthesis, characterization and electroluminescent properties', *Physical Chemistry Chemical Physics*, Vuosikerta. 16, Nro 42, Sivut 23320-23328. <https://doi.org/10.1039/c4cp03693j>

Sanginés, R, Contreras, V, Sobral, H & Robledo-Martinez, A 2015, 'Optimal emission enhancement in orthogonal double-pulse laser-induced breakdown spectroscopy', *Spectrochimica Acta Part B: Atomic Spectroscopy*, Vuosikerta. 110, 4935, Sivut 139-145. <https://doi.org/10.1016/j.sab.2015.06.012>

Sankari, A, Stråhlman, C, Sankari, R, Partanen, L, Laksman, J, Kettunen, JA, Galván, IF, Lindh, R, Malmqvist, PÅ & Sorensen, SL 2020, 'Non-radiative decay and fragmentation in water molecules after 1 a 1-1 4 a 1 excitation and core ionization studied by electron-energy-resolved electron-ion coincidence spectroscopy', *Journal of Chemical Physics*, Vuosikerta. 152, Nro 7, 074302. <https://doi.org/10.1063/1.5141414>

Santos, FMF, Rosa, JN, Candeias, NR, Carvalho, CP, Matos, AI, Ventura, AE, Florindo, HF, Silva, LC, Pischel, U & Gois, PMP 2016, 'A Three-Component Assembly Promoted by Boronic Acids Delivers a Modular Fluorophore Platform (BASHY Dyes)', *Chemistry: A European Journal*, Vuosikerta. 22, Nro 5, Sivut 1631-1637. <https://doi.org/10.1002/chem.201503943>

- Sariola, V 2019, 'Analytical Expressions for Spring Constants of Capillary Bridges and Snap-in Forces of Hydrophobic Surfaces', *Langmuir*, Vuosikerta. 35, Nro 22, Sivut 7129-7135. <https://doi.org/10.1021/acs.langmuir.9b00152>
- Sarlin, E, Honkanen, M, Lindgren, M, Laihonon, P, Juutilainen, M, Vippola, M & Vuorinen, J 2020, 'The effect of substrate pre-treatment on durability of rubber-stainless steel adhesion', *Surfaces and Interfaces*, Vuosikerta. 21, 100646. <https://doi.org/10.1016/j.surfin.2020.100646>
- Sassatelli, P, Bolelli, G, Lassinantti Gualtieri, M, Heinonen, E, Honkanen, M, Lusvarghi, L, Manfredini, T, Rigon, R & Vippola, M 2018, 'Properties of HVOF-sprayed Stellite-6 coatings', *Surface and Coatings Technology*, Vuosikerta. 338, Sivut 45-62. <https://doi.org/10.1016/j.surfcoat.2018.01.078>
- Sautter, JD, Xu, L, Miroshnichenko, AE, Lysevych, M, Volkovskaya, I, Smirnova, DA, Camacho-Morales, R, Zangeneh Kamali, K, Karouta, F, Vora, K, Tan, HH, Kauranen, M, Stauder, I, Jagadish, C, Neshev, DN & Rahmani, M 2019, 'Tailoring Second-Harmonic Emission from (111)-GaAs Nanoantennas', *Nano Letters*, Vuosikerta. 19, Nro 6, Sivut 3905-3911. <https://doi.org/10.1021/acs.nanolett.9b01112>
- Savolainen, J, Uhlig, F, Ahmed, S, Hamm, P & Jungwirth, P 2014, 'Direct observation of the collapse of the delocalized excess electron in water', *Nature Chemistry*, Vuosikerta. 6, Nro 8, Sivut 697-701. <https://doi.org/10.1038/nchem.1995>
- Schraik, D, Varvia, P, Korhonen, L & Rautiainen, M 2019, 'Bayesian inversion of a forest reflectance model using Sentinel-2 and Landsat 8 satellite images', *JOURNAL OF QUANTITATIVE SPECTROSCOPY AND RADIATIVE TRANSFER*, Vuosikerta. 233, Sivut 1-12. <https://doi.org/10.1016/j.jqsrt.2019.05.013>
- Schroeder, CA, Pluharová, E, Seidel, R, Schroeder, WP, Faubel, M, Slavíček, P, Winter, B, Jungwirth, P & Bradforth, SE 2015, 'Oxidation half-reaction of aqueous nucleosides and nucleotides via photoelectron spectroscopy augmented by ab initio calculations', *Journal of the American Chemical Society*, Vuosikerta. 137, Nro 1, Sivut 201-209. <https://doi.org/10.1021/ja508149e>
- Seo, JY, Lee, K, Ramasamy, P, Kim, B, Lee, SY, Oh, YK & Park, SB 2015, 'Tri-functionality of Fe₃O₄-embedded carbon microparticles in microalgae harvesting', *Chemical Engineering Journal*, Vuosikerta. 280, Sivut 206-214. <https://doi.org/10.1016/j.cej.2015.05.122>
- Serak, SV, Tabiryani, NV & Assanto, G 2012, 'Nematicons in azobenzene liquid crystals', *Molecular Crystals and Liquid Crystals*, Vuosikerta. 559, Sivut 202-213. <https://doi.org/10.1080/15421406.2012.658710>
- Shakun, A, Poikelispää, M, Das, A & Vuorinen, J 2018, 'Improved electromechanical response in acrylic rubber by different carbon-based fillers', *Polymer Engineering and Science*, Vuosikerta. 58, Nro 3, Sivut 395-404. <https://doi.org/10.1002/pen.24586>
- Shakun, A, Sarlin, E & Vuorinen, J 2020, 'Energy dissipation in natural rubber latex films: The effect of stabilizers, leaching and acetone-treatment', *Journal of Applied Polymer Science*. <https://doi.org/10.1002/app.49609>
- Sharma, R, Bhalerao, S & Gupta, D 2016, 'Effect of incorporation of CdS NPs on performance of PTB7: PCBM organic solar cells', *Organic Electronics: physics, materials, applications*, Vuosikerta. 33, Sivut 274-280. <https://doi.org/10.1016/j.orgel.2016.03.030>
- Sharma, V, Yiannacou, K, Karjalainen, M, Lahtonen, K, Valden, M & Sariola, V 2019, 'Large-scale efficient water harvesting using bioinspired micro-patterned copper oxide nanoneedle surfaces and guided droplet transport', *Nanoscale Advances*, Vuosikerta. 1, Nro 10, Sivut 4025-4040. <https://doi.org/10.1039/c9na00405j>
- Sharma, RO, Rantala, TT & Hoggan, PE 2020, 'Selective hydrogen production at Pt(111) investigated by Quantum Monte Carlo methods for metal catalysis', *International Journal of Quantum Chemistry*, Vuosikerta. 120, Nro 11, e26198. <https://doi.org/10.1002/qua.26198>

- Shevkunov, I, Katkovnik, V, Claus, D, Pedrini, G, Petrov, NV & Egiazarian, K 2019, 'Spectral object recognition in hyperspectral holography with complex-domain denoising', *Sensors (Switzerland)*, Vuosikerta. 19, Nro 23, 5188. <https://doi.org/10.3390/s19235188>
- Shin, J, Cherstvy, AG & Metzler, R 2015, 'Kinetics of polymer looping with macromolecular crowding: Effects of volume fraction and crowder size', *Soft Matter*, Vuosikerta. 11, Nro 3, Sivut 472-488. <https://doi.org/10.1039/c4sm02007c>
- Shin, J, Cherstvy, AG & Metzler, R 2015, 'Polymer looping is controlled by macromolecular crowding, spatial confinement, and chain stiffness', *ACS Macro Letters*, Vuosikerta. 4, Nro 2, Sivut 202-206. <https://doi.org/10.1021/mz500709w>
- Shin, M, Kim, J, Jung, YK, Ruoko, T-P, Priimägi, A, Walsh, A & Shin, B 2019, 'Low-dimensional formamidinium lead perovskite architectures via controllable solvent intercalation', *Journal of Materials Chemistry C*, Vuosikerta. 7, Nro 13, Sivut 3945-3951. <https://doi.org/10.1039/c9tc00379g>
- Siiskonen, A & Priimägi, A 2017, 'Benchmarking DFT methods with small basis sets for the calculation of halogen-bond strengths', *Journal of Molecular Modeling*, Vuosikerta. 23, Nro 2, 50. <https://doi.org/10.1007/s00894-017-3212-4>
- Siljander, S, Keinänen, P, Rätty, A, Ramakrishnan, KR, Tuukkanen, S, Kunnari, V, Harlin, A, Vuorinen, J & Kanerva, M 2018, 'Effect of surfactant type and sonication energy on the electrical conductivity properties of nanocellulose-CNT nanocomposite films', *International Journal of Molecular Sciences*, Vuosikerta. 19, Nro 6, 1819. <https://doi.org/10.3390/ijms19061819>
- Sippola, RJ, Hadipour, A, Kastinen, T, Vivo, P, Hukka, TI, Aernouts, T & Heiskanen, JP 2017, 'Carbazole-based small molecule electron donors: Syntheses, characterization, and material properties', *Dyes and Pigments*, Vuosikerta. 150, j.dyepig.2017.11.014, Sivut 79-88. <https://doi.org/10.1016/j.dyepig.2017.11.014>
- Smith, JD, Mitsakou, C, Kitwiroon, N, Barratt, BM, Walton, HA, Taylor, JG, Anderson, HR, Kelly, FJ & Beevers, SD 2016, 'London Hybrid Exposure Model: Improving Human Exposure Estimates to NO₂ and PM_{2.5} in an Urban Setting', *Environmental Science and Technology*, Vuosikerta. 50, Nro 21, Sivut 11760-11768. <https://doi.org/10.1021/acs.est.6b01817>
- Solovyev, AI, Mikheylis, AV, Plyusnin, VF, Shubin, AA, Grivin, VP, Larionov, SV, Tkachenko, NV & Lemmetyinen, H 2019, 'Photochemistry of dithiophosphate Ni(S₂P(i-Bu)₂)₂ complex in CCl₄. Transient species and TD-DFT calculations', *Journal of Photochemistry and Photobiology A: Chemistry*, Vuosikerta. 381, 111857. <https://doi.org/10.1016/j.jphotochem.2019.111857>
- Song, X, Liu, Z, Suhonen, T, Varis, T, Huang, L, Zheng, X & Zeng, Y 2015, 'Effect of melting state on the thermal shock resistance and thermal conductivity of APS ZrO₂-7.5wt.% Y₂O₃ coatings', *Surface and Coatings Technology*, Vuosikerta. 270, Sivut 132-138. <https://doi.org/10.1016/j.surfcoat.2015.03.011>
- Sorvajärvi, T, Viljanen, J, Toivonen, J, Marshall, P & Glarborg, P 2015, 'Rate constant and thermochemistry for K + O₂ + N₂ = KO₂ + N₂', *Journal of Physical Chemistry A*, Vuosikerta. 119, Nro 14, Sivut 3329-3336. <https://doi.org/10.1021/acs.jpca.5b00755>
- Soto, AM, Koivisto, JT, Parraga, JE, Silva-Correia, J, Oliveira, JM, Reis, RL, Kellomäki, M, Hyttinen, J & Figueiras, E 2016, 'Optical Projection Tomography Technique for Image Texture and Mass Transport Studies in Hydrogels Based on Gellan Gum', *Langmuir*, Vuosikerta. 32, Nro 20, Sivut 5173-5182. <https://doi.org/10.1021/acs.langmuir.6b00554>
- Spataru, A, Jain, R, Chung, JW, Gerner, G, Krebs, R & Lens, PNL 2016, 'Enhanced adsorption of orthophosphate and copper onto hydrochar derived from sewage sludge by KOH activation', *RSC Advances*, Vuosikerta. 6, Nro 104, Sivut 101827-101834. <https://doi.org/10.1039/c6ra22327c>