

- Rantala, T, Väyrynen, J, Kumpula, R & Aksela, S 1979, 'Direct measurement of the kinetic energy shift between the molecular and atomic M4.5N4.5N4.5 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)
- Väyrynen, J, Rantala, TT, Minni, E & Suoninen, E 1983, 'Anomalous Auger-electron spectra of metallic calcium', *Journal of Electron Spectroscopy and Related Phenomena*, Vuosikerta. 31, Nro 3, Sivut 293-305. [https://doi.org/10.1016/0368-2048\(83\)85077-4](https://doi.org/10.1016/0368-2048(83)85077-4)
- Rantala, TT, Rosén, A & Helsing, 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, Rosén, A & Helsing, 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, 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)
- 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)
- 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)
- 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)
- 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, 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)
- Valkealahti, S & Manninen, M 1993, 'Melting of copper clusters', *Computational Materials Science*, Vuosikerta. 1, Nro 2, Sivut 123-134. [https://doi.org/10.1016/0927-0256\(93\)90003-6](https://doi.org/10.1016/0927-0256(93)90003-6)
- 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, 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)
- 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)
- 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)

- 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>
- 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)
- 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>
- 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)
- Hyvönen, M, Ala-Korpela, M, Vaara, J, Rantala, TT & Jokisaari, J 1997, 'Inequivalence of single CH₂ and CH₂ 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)
- Lesot, P, Merlet, D, Courtieu, J, Emsley, JW, Rantala, TT & Jokisaari, J 1997, 'Calculation of the molecular ordering parameters of (±)-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>
- 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>
- 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)
- 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)
- 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)
- 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>
- 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, '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)
- Tois, J, Franzén, R, Aitio, O, Huikko, K & Taskinen, J 2000, 'Preparation of 5-substituted 2-carboxyindoles on solid support', *Tetrahedron Letters*, Vuosikerta. 41, Nro 14, Sivut 2443-2446. [https://doi.org/10.1016/S0040-4039\(00\)00151-9](https://doi.org/10.1016/S0040-4039(00)00151-9)

- 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>
- 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)
- Tois, J, Franzén, R, Aitio, O, Laakso, I, Huuskonen, J & Taskinen, J 2001, 'Solid-phase bromination and Suzuki coupling of 2-carboxyindoles', *Combinatorial Chemistry and High Throughput Screening*, Vuosikerta. 4, Nro 6, Sivut 521-524. <https://doi.org/10.2174/1386207013330887>
- Tois, J, Franzén, R, Aitio, O, Laakso, I & Kylänlahti, I 2001, 'Vilsmeier formylation of 2-carboxyindoles and preparation of O-benzylhydroxyureas on solid phase', *Journal of Combinatorial Chemistry*, Vuosikerta. 3, Nro 6, Sivut 542-545. <https://doi.org/10.1021/cc010004f>
- Väisänen, A, Suontamo, R & Rintala, J 2002, 'Control of matrix interferences by the multiple linear regression model in the determination of arsenic, antimony and tin in lead pellets by inductively coupled plasma atomic emission spectrometry', *Journal of Analytical Atomic Spectrometry*, Vuosikerta. 17, Nro 3, Sivut 274-276. <https://doi.org/10.1039/b108543n>
- Väisänen, A, Suontamo, R, Silvonen, J & Rintala, J 2002, 'Ultrasound-assisted extraction in the determination of arsenic, cadmium, copper, lead, and silver in contaminated soil samples by inductively coupled plasma atomic emission spectrometry', *Analytical and Bioanalytical Chemistry*, Vuosikerta. 373, Nro 1-2, Sivut 93-97. <https://doi.org/10.1007/s00216-002-1290-2>
- 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.
- 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>
- 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.
- 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>
- 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.
- 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>
- 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>
- 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>

Vähä-Nissi, M, Hirvikorpi, T, Sievänen, J, Salo, E, Harlin, A, Johansson, P & Kuusipalo, J 2011, Effect of pre-treatments on barrier properties of layers applied by atomic layer deposition onto polymer-coated substrates. julkaisussa *13th European PLACE Conference 2011*. Vuosikerta. 1, Sivut 447, Bregenz, Itävalta, 30/05/11.

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*.

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>

Teisala, H, Tuominen, M, Aromaa, M, Mäkelä, JM, Stepien, M, Saarinen, JJ, Toivakka, M & Kuusipalo, J 2011, Nanoparticle deposition on packaging materials by the liquid flame spray. julkaisussa *13th European PLACE Conference 2011*. Vuosikerta. 1, TAPPI EUROPEAN PLACE CONFERENCE, 1/01/00.

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.

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

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>

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>

Takahashi, H, Maruyama, K, Karino, Y, Morita, A, Nakano, M, Jungwirth, P & Matubayasi, N 2011, 'Energetic origin of proton affinity to the air/water interface', *Journal of Physical Chemistry Part B*, Vuosikerta. 115, Nro 16, Sivut 4745-4751. <https://doi.org/10.1021/jp2015676>

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>

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>

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>

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>

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>

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>

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>

Heyda, J, Kožišek, 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>

Uusitalo, MA, Peltonen, J & Ryhänen, T 2011, 'Machine learning: How it can help nanocomputing', *Journal of Computational and Theoretical Nanoscience*, Vuosikerta. 8, Nro 8, Sivut 1347-1363. <https://doi.org/10.1166/jctn.2011.1821>

Uhlig, F, Marsalek, O & Jungwirth, P 2011, 'From a localized H₃O radical to a delocalized H₃O⁺·e⁻ solvent-separated pair by sequential hydration', *Physical Chemistry Chemical Physics*, Vuosikerta. 13, Nro 31, Sivut 14003-14009. <https://doi.org/10.1039/c1cp20764d>

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>

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>

Tian, Y, Bova, GS & Zhang, H 2011, 'Quantitative glycoproteomic analysis of optimal cutting temperature-embedded frozen tissues identifying glycoproteins associated with aggressive prostate cancer', *Analytical Chemistry*, Vuosikerta. 83, Nro 18, Sivut 7013-7019. <https://doi.org/10.1021/ac200815q>

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>

Vazdar, M, Vymětal, J, Heyda, J, Vondrášek, J & Jungwirth, P 2011, 'Like-charge guanidinium pairing from molecular dynamics and ab initio calculations', *Journal of Physical Chemistry A*, Vuosikerta. 115, Nro 41, Sivut 11193-11201. <https://doi.org/10.1021/jp203519p>

Vapaavuori, J, Valtavirta, V, Alasaarela, T, Mamiya, JI, Priimagi, A, Shishido, A & Kaivola, M 2011, 'Efficient surface structuring and photoalignment of supramolecular polymer-azobenzene complexes through rational chromophore design', *Journal of Materials Chemistry*, Vuosikerta. 21, Nro 39, Sivut 15437-15441. <https://doi.org/10.1039/c1jm12642c>

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>

Wernersson, E, Heyda, J, Vazdar, M, Lund, M, Mason, PE & Jungwirth, P 2011, 'Orientational dependence of the affinity of guanidinium ions to the water surface', *Journal of Physical Chemistry Part B*, Vuosikerta. 115, Nro 43, Sivut 12521-12526. <https://doi.org/10.1021/jp207499s>

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>

Gladich, I, Pflanzgraff, 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>

Subramaniam, K, Das, A, Steinhäuser, D, Klüppel, M & Heinrich, G 2011, 'Effect of ionic liquid on dielectric, mechanical and dynamic mechanical properties of multi-walled carbon nanotubes/polychloroprene rubber composites', *European Polymer Journal*, Vuosikerta. 47, Nro 12, Sivut 2234-2243. <https://doi.org/10.1016/j.eurpolymj.2011.09.021>

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>

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>

Marsalek, O, Elles, CG, Pieniazek, PA, Pluhaov, E, Vandevonede, 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>

Tevyashova, AN, Shtil, AA, Olsufyeva, EN, Luzikov, YN, Reznikova, MI, Dezhenkova, LG, Isakova, EB, Bukhman, VM, Durandin, NA, Vinogradov, AM, Kuzmin, VA & Preobrazhenskaya, MN 2011, 'Modification of olivomycin A at the side chain of the aglycon yields the derivative with perspective antitumor characteristics', *BIOORGANIC AND MEDICINAL CHEMISTRY*, Vuosikerta. 19, Nro 24, Sivut 7387-7393. <https://doi.org/10.1016/j.bmc.2011.10.055>

Valtakari, D, Bollström, R, Tuominen, M, Teisala, H, Aromaa, M, Toivakka, M, Kuusipalo, J, Mäkelä, JM, Uozumi, J & Saarinen, JJ 2012, Conductive layers on surface modified natural fibre based substrates for printed functionality. julkaisussa *AIChE 2012 - 2012 AIChE Annual Meeting, Conference Proceedings.*, Pittsburgh, PA, Yhdysvallat, 28/10/12.

Leuteritz, A, Kutlu, B, Meinl, 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>

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>

Marsalek, O, Uhlig, F, Vandevonede, 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>

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>

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>

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>

Stradomska, A, Kulig, W, Slawik, M & Petelenz, P 2012, 'Excited-state polarizability in crystalline sexithiophene: Charge-transfer and vibronic effects', *Chemical Physics Letters*, Vuosikerta. 529, Sivut 27-30. <https://doi.org/10.1016/j.cplett.2012.01.038>

Roop, 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>

Wang, DY, Das, A, Leuteritz, A, Mahaling, RN, Jehnichen, D, Wagenknecht, U & Heinrich, G 2012, 'Structural characteristics and flammability of fire retarding EPDM/layered double hydroxide (LDH) nanocomposites', *RSC Advances*, Vuosikerta. 2, Nro 9, Sivut 3927-3933. <https://doi.org/10.1039/c2ra20189e>

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>

Vazdar, M, Jurkiewicz, P, Hof, M, Jungwirth, P & Cwiklik, L 2012, 'Behavior of 4-hydroxynonenal in phospholipid membranes', *Journal of Physical Chemistry Part B*, Vuosikerta. 116, Nro 22, Sivut 6411-6415. <https://doi.org/10.1021/jp3044219>

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>

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>

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>

Serak, SV, Tabiryán, 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>

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>

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>

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>

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, Sivut 124101. <https://doi.org/10.1063/1.4752735>

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>

Le, HH, Hoang, XT, Das, A, Gohs, U, Stoeckelhuber, KW, Boldt, R, Heinrich, G, Adhikari, R & Radusch, 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>

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>

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>

Steinhauser, D, Subramaniam, K, Das, A, Heinrich, G & Klüppel, M 2012, 'Influence of ionic liquids on the dielectric relaxation behavior of CNT based elastomer nanocomposites', *Express Polymer Letters*, Vuosikerta. 6, Nro 11, Sivut 927-936. <https://doi.org/10.3144/expresspolymlett.2012.98>

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>

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>

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>

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, Sivut 185101. <https://doi.org/10.1063/1.4765052>

Buchholz, M, Goletz, CM, Grossmann, F, Schmidt, B, Heyda, J & Jungwirth, P 2012, 'Semiclassical hybrid approach to condensed phase molecular dynamics: Application to the I₂Kr₁₇ cluster', *Journal of Physical Chemistry A*, Vuosikerta. 116, Nro 46, Sivut 11199-11210. <https://doi.org/10.1021/jp305084f>

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>

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.

Ylilauri, M, Mattila, E, Nurminen, EM, Käpylä, J, Niinivehmas, SP, Määttä, JA, Pentikäinen, U, Ivaska, J & Pentikäinen, OT 2013, 'Molecular mechanism of T-cell protein tyrosine phosphatase (TCPTP) activation by mitoxantrone', *Biochimica et biophysica acta: proteins and proteomics*, Vuosikerta. 1834, Nro 10, Sivut 1988-1997. <https://doi.org/10.1016/j.bbapap.2013.07.001>

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>

Wang, H, Feng, Y, Zhao, H, Fang, Z, Khan, M & Guo, J 2013, 'A potential nonthrombogenic small-diameter vascular scaffold with polyurethane/poly(ethylene glycol) hybrid materials by electrospinning technique', *Journal Nanoscience and Nanotechnology*, Vuosikerta. 13, Nro 2, Sivut 1578-1582. <https://doi.org/10.1166/jnn.2013.6051>

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 & 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>

Subramaniam, K, Das, A, Simon, F & Heinrich, G 2013, 'Networking of ionic liquid modified CNTs in SSBR', *European Polymer Journal*, Vuosikerta. 49, Nro 2, Sivut 345-352. <https://doi.org/10.1016/j.eurpolymj.2012.10.023>

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>

Vazdar, M, Jungwirth, P & Mason, PE 2013, 'Aqueous guanidinium-carbonate interactions by molecular dynamics and neutron scattering: Relevance to ion-protein interactions', *Journal of Physical Chemistry Part B*, Vuosikerta. 117, Nro 6, Sivut 1844-1848. <https://doi.org/10.1021/jp310719g>

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>

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>

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>

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>

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>

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>

Vapaavuori, J, Mahimwalla, Z, Chromik, RR, Kaivola, M, Priimagi, A & Barrett, CJ 2013, 'Nanoindentation study of light-induced softening of supramolecular and covalently functionalized azo polymers', *Journal of Materials Chemistry C*, Vuosikerta. 1, Nro 16, Sivut 2806-2810. <https://doi.org/10.1039/c3tc30246f>

Tan, M, Feng, Y, Wang, H, Zhang, L, Khan, M, Guo, J, Chen, Q & Liu, J 2013, 'Immobilized bioactive agents onto polyurethane surface with heparin and phosphorylcholine group', *Macromolecular Research*, Vuosikerta. 21, Nro 5, Sivut 541-549. <https://doi.org/10.1007/s13233-013-1028-3>

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>

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>

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>

Štěpánková, V, Paterová, J, Damborský, J, Jungwirth, P, Chaloupková, R & Heyda, J 2013, 'Cation-specific effects on enzymatic catalysis driven by interactions at the tunnel mouth', *Journal of Physical Chemistry Part B*, Vuosikerta. 117, Nro 21, Sivut 6394-6402. <https://doi.org/10.1021/jp401506v>

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>

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>

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>

Stumpel, JE, Liu, D, Broer, DJ & Schenning, APHJ 2013, 'Photoswitchable hydrogel surface topographies by polymerisation-induced diffusion', *Chemistry: A European Journal*, Vuosikerta. 19, Nro 33, Sivut 10922-10927. <https://doi.org/10.1002/chem.201300852>

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>

Borah, D, Rasappa, S, SenthamaraiKannan, 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>

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>

Stirnemann, G, Wernersson, E, Jungwirth, P & Laage, D 2013, 'Mechanisms of acceleration and retardation of water dynamics by ions', *Journal of the American Chemical Society*, Vuosikerta. 135, Nro 32, Sivut 11824-11831. <https://doi.org/10.1021/ja405201s>

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>

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>

Sterpone, F, Nguyen, PH, Kalimeri, M & Derreumaux, P 2013, 'Importance of the ion-pair interactions in the OPEP coarse-grained force field: Parametrization and validation', *Journal of Chemical Theory and Computation*, Vuosikerta. 9, Nro 10, Sivut 4574-4584. <https://doi.org/10.1021/ct4003493>

Pollheimer, P, Taskinen, B, Scherfler, A, Gusenkov, S, Creus, M, Wiesauer, P, Zauner, D, Schöffberger, 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>

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>

Uhlig, F & Jungwirth, P 2013, 'Embedded cluster models for reactivity of the hydrated electron', *ZEITSCHRIFT FÜR PHYSIKALISCHE CHEMIE-INTERNATIONAL JOURNAL OF RESEARCH IN PHYSICAL CHEMISTRY AND CHEMICAL PHYSICS*, Vuosikerta. 227, Nro 11, Sivut 1583-1593. <https://doi.org/10.1524/zpch.2013.0402>

Borah, D, Simao, CD, Sentharamaikkannan, 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>

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>

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>

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>

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>

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>

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>

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>

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>

Le, HH, Oßwald, K, Wießner, S, Das, A, Stöckelhuber, KW, Boldt, R, Gupta, G, Heinrich, G & Radusch, 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>

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>

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>

Wang, J & Ray, AK 2014, 'A full-potential linearized augmented plane wave study of the interaction of CO₂ with α -Pu (020) surface nanolayers', *Journal of Computational and Theoretical Nanoscience*, Vuosikerta. 11, Nro 7, Sivut 1710-1717. <https://doi.org/10.1166/jctn.2014.3555>

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>

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>

Le, HH, Parsekar, M, Ilisch, S, Henning, S, Das, A, Stöckelhuber, KW, Beiner, M, Ho, CA, Adhikari, R, Wießner, S, Heinrich, G & Radsch, 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>

Rasappa, S, Borah, D, Senthamarai Kannan, 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>

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.

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>

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>

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

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>

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>

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>

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>

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>

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>

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>

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>

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>

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>

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>

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>

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>

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>

Werner, J, Wernersson, E, Ekholm, V, Ottosson, N, Öhrwall, G, Heyda, J, Persson, I, Söderström, J, Jungwirth, P & Björneholm, O 2014, 'Surface behavior of hydrated guanidinium and ammonium ions: A comparative study by photoelectron spectroscopy and molecular dynamics', *Journal of Physical Chemistry Part B*, Vuosikerta. 118, Nro 25, Sivut 7119-7127. <https://doi.org/10.1021/jp500867w>

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>

Oksa, M, Varis, T & Ruusuvaori, 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>

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>

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>

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 & Radosch, 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>

Uhlig, F, Herbert, JM, Coons, MP & Jungwirth, P 2014, 'Optical spectroscopy of the bulk and interfacial hydrated electron from ab initio calculations', *Journal of Physical Chemistry A*, Vuosikerta. 118, Nro 35, Sivut 7507-7515. <https://doi.org/10.1021/jp5004243>

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>

Wang, J, Ma, L, Liang, Y, Gao, M & Wang, G 2014, 'Density functional theory study of transition metals doped B₈₀ fullerene', *Journal of Theoretical and Computational Chemistry*, Vuosikerta. 13, Nro 6, 1450050. <https://doi.org/10.1142/S0219633614500503>

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>

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>

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>

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>

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>

Wang, X, Vapaavuori, J, Zhao, Y & Bazuin, CG 2014, 'A supramolecular approach to photoresponsive thermo/solvoplastic block copolymer elastomers', *Macromolecules*, Vuosikerta. 47, Nro 20, Sivut 7099-7108. <https://doi.org/10.1021/ma501278b>

- 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>
- Tawade, BV, Salunke, JK, Sane, PS & Wadgaonkar, PP 2014, 'Processable aromatic polyesters based on bisphenol derived from cashew nut shell liquid: synthesis and characterization', *JOURNAL OF POLYMER RESEARCH*, Vuosikerta. 21, Nro 12. <https://doi.org/10.1007/s10965-014-0617-y>
- 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>
- 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>
- Taskinen, B, Zauner, D, Lehtonen, SI, Koskinen, M, Thomson, C, Kähkönen, N, Kukkurainen, S, Määttä, JAE, Ihalainen, TO, Kulomaa, MS, Gruber, HJ & Hytönen, VP 2014, 'Switchavidin: Reversible biotin-avidin-biotin bridges with high affinity and specificity', *Bioconjugate Chemistry*, Vuosikerta. 25, Nro 12, Sivut 2233-2243. <https://doi.org/10.1021/bc500462w>
- Stumpel, JE, Broer, DJ & Schenning, APHJ 2014, 'Stimuli-responsive photonic polymer coatings', *Chemical Communications*, Vuosikerta. 50, Nro 100, Sivut 15839-15848. <https://doi.org/10.1039/c4cc05072j>
- 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>
- Borah, D, Rasappa, S, Senthamarai Kannan, 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>
- 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>
- 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>
- 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>
- 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>
- 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
- 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>

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

Wacharine, I, Valkonen, A, Rzaigui, M & Smirani, W 2015, 'Synthesis, crystal structure, spectral, dielectric characteristics and conduction mechanism of two novel carboxylates of 1-benzhydrylpiperazine', *Monatshefte fur Chemie*, Vuosikerta. 146, Nro 12, Sivut 2007–2020. <https://doi.org/10.1007/s00706-015-1553-1>

Stasyuk, AJ, Smoleń, S, Glodkowska-Mrowka, E, Brutkowski, W, Cyrański, MK, Tkachenko, N & Gryko, DT 2015, 'Synthesis of fluorescent naphthoquinolizines via intramolecular houben-hoesch reaction', *Chemistry - An Asian Journal*, Vuosikerta. 10, Nro 3, Sivut 553–558. <https://doi.org/10.1002/asia.201403339>

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>

Stumpel, JE, Broer, DJ & Schenning, APHJ 2015, 'Water-responsive dual-coloured photonic polymer coatings based on cholesteric liquid crystals', *RSC Advances*, Vuosikerta. 5, Nro 115, Sivut 94650–94653. <https://doi.org/10.1039/c5ra18017a>

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>

Mettänen, M & Hirn, U 2015, 'A comparison of five optical surface topography measurement methods', *TAPPI Journal*, Vuosikerta. 14, Nro 1, Sivut 27–38.

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>

Yi, H, Albrecht, M, Valkonen, A & Rissanen, K 2015, 'Perfluoro-1,1'-biphenyl and perfluoronaphthalene and their derivatives as π-acceptors for anions', *New Journal of Chemistry*, Vuosikerta. 39, Nro 1, Sivut 746–749. <https://doi.org/10.1039/c4nj01654h>

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>

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>

Schroeder, CA, Pluharová, E, Seidel, R, Schroeder, WP, Faubel, M, Slaviček, 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>

Czaplicki, R, Mäkitalo, J, Siikanen, 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>

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/c4sm2007c>

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>

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>

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>

Saccone, M, Dichiarante, V, Forni, 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>

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>

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>

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>

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>

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>

Wecharine, I, Valkonen, A, Rzaigui, M, Sta, WS & Smith, G 2015, 'Crystal structure of 2-methylpiperazine-1,4-dium bis(hydrogen maleate)', *Acta Crystallographica Section E: Structure Reports Online*, Vuosikerta. 71, Nro 3, Sivut o193-o194. <https://doi.org/10.1107/S2056989015003102>

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>

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>

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>

Wikström, M, Sharma, V, Kaila, VRI, Hosler, JP & Hummer, G 2015, 'New perspectives on proton pumping in cellular respiration', *Chemical Reviews*, Vuosikerta. 115, Nro 5, Sivut 2196-2221. <https://doi.org/10.1021/cr500448t>

Ma, L, Melander, M, Laasonen, K & Akola, J 2015, 'CO oxidation catalyzed by neutral and anionic Cu₂O clusters: Relationship between charge and activity', *Physical Chemistry Chemical Physics*, Vuosikerta. 17, Nro 10, Sivut 7067-7076. <https://doi.org/10.1039/c5cp00365b>

Tuominen, M, Yasir, M, Lång, J, Dahl, J, Kuzmin, M, Mäkelä, J, Punkkinen, M, Laukkanen, P, Kokko, K, Schulte, K, Punkkinen, R, Korpijärvi, V-M, Polojärvi, V & Guina, M 2015, 'Oxidation of the GaAs semiconductor at the Al₂O₃/GaAs junction', *Physical Chemistry Chemical Physics*, Vuosikerta. 17, Nro 10, Sivut 7060-7066. <https://doi.org/10.1039/c4cp05972g>

Varis, T, Bankiewicz, D, Yrjas, P, Oksa, M, Suhonen, T, Tuurna, S, Ruusuvoori, K & Holmström, S 2015, 'High temperature corrosion of thermally sprayed NiCr and FeCr coatings covered with a KCl-K₂SO₄ salt mixture', *Surface and Coatings Technology*, Vuosikerta. 265, Sivut 235-243. <https://doi.org/10.1016/j.surfcoat.2014.11.012>

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>

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>

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>

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>

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>

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>

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

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>

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>

Pluhařová, E, Slavíček, 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>

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>

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>

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>

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>

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.

Frochot, C, Barberi-Heyob, M, Blanchard-Desce, M, Bolotine, L, Bonneau, S, Jimenez, CM, Durand, JO, Lassalle, HP, Lemercier, 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.

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

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>

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

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>

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>

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>

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>

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>

Zorzi, GK, Párraga, JE, Seijo, B & Sánchez, A 2015, 'On the biomaterials for nanostructured ocular therapeutics', *Current Organic Chemistry*, Vuosikerta. 19, Nro 15, Sivut 1443-1459.

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>

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>

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>

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>

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)

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

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>

Bodrova, A, Checkkin, 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>

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>

Timr, Š, Brabec, J, Bondar, A, Ryba, T, Železný, M, Lazar, J & Jungwirth, P 2015, 'Nonlinear Optical Properties of Fluorescent Dyes Allow for Accurate Determination of Their Molecular Orientations in Phospholipid Membranes', *Journal of Physical Chemistry Part B*, Vuosikerta. 119, Nro 30, Sivut 9706-9716. <https://doi.org/10.1021/acs.jpcc.5b05123>

Stumpel, JE 2015, 'Responsive Polymer Photonics', *Chemistryopen*, Vuosikerta. 4, Nro 4, Sivut 533-535. <https://doi.org/10.1002/open.201500104>

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>

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>

Levin, M, Rojas, E, Vanhala, E, Vippola, M, Liguori, B, Kling, KI, Koponen, IK, Mølhøve, 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, 337. <https://doi.org/10.1007/s11051-015-3139-6>

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>

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>

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>

Yang, Y, Kylänpää, I, Tubman, NM, Krogel, JT, Hammes-Schiffer, S & Ceperley, DM 2015, 'How large are nonadiabatic effects in atomic and diatomic systems?', *Journal of Chemical Physics*, Vuosikerta. 143, Nro 12, 124308. <https://doi.org/10.1063/1.4931667>

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>

Tukiainen, A, Likonen, J, Toikkanen, L & Leinonen, T 2015, 'Unintentional boron contamination of MBE-grown GaInP/AlGaInP quantum wells', *Journal of Crystal Growth*, Vuosikerta. 425, Sivut 60-63. <https://doi.org/10.1016/j.jcrysgro.2015.02.048>

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>

Ter Schiphorst, J, Coleman, S, Stumpel, JE, Ben Azouz, A, Diamond, D & Schenning, APHJ 2015, 'Molecular Design of Light-Responsive Hydrogels, for in Situ Generation of Fast and Reversible Valves for Microfluidic Applications', *Chemistry of Materials*, Vuosikerta. 27, Nro 17, Sivut 5925-5931. <https://doi.org/10.1021/acs.chemmater.5b01860>

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>

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>

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>

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>

- 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>
- 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>
- Vapaavuori, J, Grosrenaud, J, Pellerin, C & Bazuin, CG 2015, 'In Situ Photocontrol of Block Copolymer Morphology during Dip-Coating of Thin Films', *ACS Macro Letters*, Vuosikerta. 4, Nro 10, Sivut 1158-1162. <https://doi.org/10.1021/acsmacrolett.5b00483>
- Vapaavuori, J, Heikkinen, ITS, Dichiarante, V, Resnati, G, Metrangolo, P, Sabat, RG, Bazuin, CG, Priimagi, A & Pellerin, C 2015, 'Photomechanical Energy Transfer to Photopassive Polymers through Hydrogen and Halogen Bonds', *Macromolecules*, Vuosikerta. 48, Nro 20, Sivut 7535-7542. <https://doi.org/10.1021/acs.macromol.5b01813>
- Vapaavuori, J, Laventure, A, Bazuin, CG, Lebel, O & Pellerin, C 2015, 'Submolecular Plasticization Induced by Photons in Azobenzene Materials', *Journal of the American Chemical Society*, Vuosikerta. 137, Nro 42, Sivut 13510-13517. <https://doi.org/10.1021/jacs.5b06611>
- Zorzi, GK, Párraga, JE, Seijo, B & Sanchez, A 2015, 'Comparison of different cationized proteins as biomaterials for nanoparticle-based ocular gene delivery', *Colloids and Surfaces B: Biointerfaces*, Vuosikerta. 135, Sivut 533-541. <https://doi.org/10.1016/j.colsurfb.2015.08.008>
- 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>
- 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>
- 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>
- 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>
- 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>
- 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>
- 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>

- 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>
- Su, W, Cooper, JR, Cook, BS, Tentzeris, MM, Mariotti, C & Roselli, L 2015, Inkjet-printed dual microfluidic-based sensor integrated system. julkaisussa *2015 IEEE SENSORS - Proceedings.*, 7370300, Institute of Electrical and Electronics Engineers Inc., Busan, Etelä-Korea, 1/11/15. <https://doi.org/10.1109/ICSENS.2015.7370300>
- 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>
- 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>
- 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>
- Bansod, ND, Kavgate, 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>
- 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 Peryleneimide Dimers and a Ferrocene-Linked Triad', *Chemistry: A European Journal*, Vuosikerta. 22, Nro 28, Sivut 9631-9641. <https://doi.org/10.1002/chem.201601058>
- 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>
- 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>
- 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>
- 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>
- 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>
- 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.
- 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>

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>

Kattipparambil 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>

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>

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>

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>

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>

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>

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.jpccs.2015.10.010>

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>

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>

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>

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>

Szabo, HM, Lepistö, R & Tuhkanen, T 2016, 'HPLC-SEC: a new approach to characterise complex wastewater effluents', *International Journal of Environmental Analytical Chemistry*, Vuosikerta. 96, Nro 3, Sivut 257-270. <https://doi.org/10.1080/03067319.2016.1150463>

- 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.jpbc.6b00306>
- 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>
- 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>
- 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>
- Viljanen, J, Sun, Z & Alwahabi, ZT 2016, 'Microwave assisted laser-induced breakdown spectroscopy at ambient conditions', *Spectrochimica Acta Part B: Atomic Spectroscopy*, Vuosikerta. 118, Sivut 29-36. <https://doi.org/10.1016/j.sab.2016.02.002>
- 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>
- 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>
- 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>
- 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>
- 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>
- 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, Sivut 184901. <https://doi.org/10.1063/1.4948323>
- 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>
- 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>
- 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>

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>

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>

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>

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>

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>

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>

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>

Stöckelhuber, KW, Das, A & Klüppel, M (toim) 2016, *Designing of Elastomer Nanocomposites: From Theory to Application*. Advances in Polymer Science, Vuosikerta. 275, Springer International Publishing. <https://doi.org/10.1007/978-3-319-47696-4>

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

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>

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.jpccb.6b05604>

Zhou, Q, Sariola, V, Latifi, K & Liimatainen, V 2016, 'Controlling the motion of multiple objects on a Chladni plate', *Nature Communications*, Vuosikerta. 7, 12764. <https://doi.org/10.1038/ncomms12764>

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>

Will, OM, Purcz, N, Chalaris, A, Heneweer, C, Boretius, S, Purcz, L, Nikkola, L, Ashammakhi, N, Kalthoff, H, Glüer, CC, Wiltfang, J, Açı, Y & Tiwari, S 2016, 'Increased survival rate by local release of diclofenac in a murine model of recurrent oral carcinoma', *International Journal of Nanomedicine*, Vuosikerta. 11, Sivut 5311-5321. <https://doi.org/10.2147/IJN.S109199>

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>

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>

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>

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>

Varis, T, Suhonen, T, Calonius, O, Čuban, J & Pietola, M 2016, 'Optimization of HVOF Cr₃C₂-NiCr coating for increased fatigue performance', *Surface and Coatings Technology*, Vuosikerta. 305, Sivut 123-131. <https://doi.org/10.1016/j.surfcoat.2016.08.012>

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>

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>

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>

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>

Vuorimaa-Laukkanen, E, Lisitsyna, ES, Ketola, T-M, Morin-Pickardat, E, Liang, H, Hanzlikova, M, Urtti, A, Yliperttula, ML, Lisitsyna, E & Laaksonen, T 2017, 'Fluorescence spectroscopy "knife" for polyplex "cakes": taste the filling' Artikkelit esitetty, Kuopio, Suomi, 11/06/17 - 13/06/17, .

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>

Vuori, L, Ali-Löyty, H, Lahtonen, K, Hannula, M, Lehtonen, E, Niu, Y & Valden, M 2017, 'Improved corrosion properties of Hot Dip Galvanized Steel by nanomolecular silane layers as hybrid interface between zinc and top coatings', *Corrosion*, Vuosikerta. 73, Nro 2. <https://doi.org/10.5006/2206>

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>

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>

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>

Vapaavuori, J, Siiskonen, A, Dichiarante, V, Forni, A, Saccone, M, Pilati, T, Pellerin, C, Shishido, A, Metrangolo, P & Priimagi, A 2017, 'Supramolecular control of liquid crystals by doping with halogen-bonding dyes', *RSC Advances*, Vuosikerta. 7, Nro 64, Sivut 40237-40242. <https://doi.org/10.1039/c7ra06397k>

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>

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>

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>

Suokas, E 2017, Effect of air gap on the adhesion of PET layer on cardboard substrate in extrusion coating. julkaisussa *16th TAPPI European PLACE Conference 2017*. TAPPI Press, Sivut 529-544, 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, 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.

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.

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>

Siiskonen, A & Priimagi, 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>

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>

Guixà-González, R, Albasanz, JL, Rodríguez-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>

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>

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>

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>

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>

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>

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

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>

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>

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>

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>

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>

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>

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>

- 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>
- Suominen, M, Lehtimäki, S, Yewale, R, Damlin, P, Tuukkanen, S & Kvarnström, C 2017, 'Electropolymerized polyazulene as active material in flexible supercapacitors', *Journal of Power Sources*, Vuosikerta. 356, Sivut 181-190. <https://doi.org/10.1016/j.jpowsour.2017.04.082>
- 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>
- 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>
- 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>
- Itävuori, 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>
- Timr, Š, Pleskot, R, Kadlec, J, Kohagen, M, Magarkar, A & Jungwirth, P 2017, 'Membrane Binding of Recoverin: From Mechanistic Understanding to Biological Functionality', *ACS Central Science*, Vuosikerta. 3, Nro 8, Sivut 868-874. <https://doi.org/10.1021/acscentsci.7b00210>
- 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
- 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>
- 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>
- 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>
- 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>
- 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>
- 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>

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>

Tienaho, J, Poikulainen, E, Sarjala, T, Muilu-Mäkelä, R, Santala, V & Karp, M 2018, 'A Bioscreening Technique for Ultraviolet Irradiation Protective Natural Substances', *Photochemistry and Photobiology*, Vuosikerta. 94, Nro 6, Sivut 1273-1280. <https://doi.org/10.1111/php.12954>

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>

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>

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>

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>

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>

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>

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>

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>

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>

Virkki, M, Maurice, A, Forni, A, Sironi, M, Dichiarante, V, Brevet, PF, Metrangolo, P, Kauranen, M & Priimagi, A 2018, 'On the molecular optical nonlinearity of halogen-bond-forming azobenzenes', *Physical Chemistry Chemical Physics*, Vuosikerta. 20, Nro 45, Sivut 28810-28817. <https://doi.org/10.1039/c8cp05392h>

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>

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>

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>

Vapaavuori, J, Bazuin, CG & Priimagi, A 2018, 'Supramolecular design principles for efficient photoresponsive polymer-azobenzene complexes', *Journal of Materials Chemistry C*, Vuosikerta. 6, Nro 9, Sivut 2168-2188. <https://doi.org/10.1039/c7tc05005d>

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>

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>

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>

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>

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>

Iantovics, LB, Dehmer, M & Emmert-Streib, F 2018, 'MetriIntSimil-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>

Vaikuntam, SR, Stöckelhuber, KW, Subramani Bhagavatheswaran, E, Wießner, S, Scheler, U, Saalwächter, K, Formanek, P, Heinrich, G & Das, A 2018, 'Entrapped Styrene Butadiene Polymer Chains by Sol-Gel-Derived Silica Nanoparticles with Hierarchical Raspberry Structures', *Journal of Physical Chemistry B*, Vuosikerta. 122, Nro 6, Sivut 2010-2022. <https://doi.org/10.1021/acs.jpcc.7b11792>

Vale, JR, Rimpiläinen, T, Sievänen, E, Rissanen, K, Afonso, CAM & Candeias, NR 2018, 'Pot-economy autooxidative condensation of 2-Aryl-2-lithio-1,3-dithianes', *Journal of Organic Chemistry*, Vuosikerta. 83, Nro 4, Sivut 1948-1958. <https://doi.org/10.1021/acs.joc.7b02896>

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>

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>

- 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>
- 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>
- 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>
- 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>
- 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>
- 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>
- 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>
- 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>
- 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>
- 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>
- 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>
- Zhou, K, Dichlberger, A, Martinez-Seara, H, Nyholm, TKM, Li, S, Kim, YA, Vattulainen, I, Ikonen, E & Blom, T 2018, 'A Ceramide-Regulated Element in the Late Endosomal Protein LAPT4B Controls Amino Acid Transporter Interaction', *ACS Central Science*, Vuosikerta. 4, Nro 5, Sivut 548-558. <https://doi.org/10.1021/acscentsci.7b00582>
- Virkki, K, Tervola, E, Medel, M, Torres, T & Tkachenko, NV 2018, 'Effect of Co-Adsorbate and Hole Transporting Layer on the Photoinduced Charge Separation at the TiO₂-Phthalocyanine Interface', *ACS Omega*, Vuosikerta. 3, Nro 5, Sivut 4947-4958. <https://doi.org/10.1021/acsomega.8b00600>
- 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>

Virtanen, J, Somppi, S, Törnqvist, H, Jeyhani, V, Fiedler, P, Gizatdinova, Y, Majaranta, P, Väättäjä, H, Cardó, AV, Leikkala, J, Tuukkanen, S, Surakka, V, Vainio, O & Vehkaoja, A 2018, 'Evaluation of dry electrodes in canine heart rate monitoring', *Sensors*, Vuosikerta. 18, Nro 6, 1757. <https://doi.org/10.3390/s18061757>

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>

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>

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>

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>

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>

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>

Tan, LC, Espinosa-Ortiz, EJ, Nancharaiyah, YV, van Hullebusch, ED, Gerlach, R & Lens, PN 2018, 'Selenate removal in biofilm systems: Effect of nitrate and sulfate on selenium removal efficiency, biofilm structure and microbial community', *Journal of Chemical Technology and Biotechnology*, Vuosikerta. 93, Nro 8, Sivut 2380-2389. <https://doi.org/10.1002/jctb.5586>

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>

Nieminen, V, Karjalainen, M, Salminen, K, Rantala, J, Kontunen, A, Isokoski, P, Müller, P, Kallio, P, Surakka, V & Leikkala, 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>

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>

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>

Rajan, R, Rainosalu, 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>

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>

Tiihonen, J, Kylänpää, I & Rantala, TT 2018, 'Computation of Dynamic Polarizabilities and van der Waals Coefficients from Path-Integral Monte Carlo', *Journal of Chemical Theory and Computation*, Vuosikerta. 14, Sivut 5750-5763. <https://doi.org/10.1021/acs.jctc.8b00859>

Tan, LC, Nancharaiah, YV, Lu, S, van Hullebusch, ED, Gerlach, R & Lens, PNL 2018, 'Biological treatment of selenium-laden wastewater containing nitrate and sulfate in an upflow anaerobic sludge bed reactor at pH 5.0', *Chemosphere*, Vuosikerta. 211, Sivut 684-693. <https://doi.org/10.1016/j.chemosphere.2018.07.079>

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>

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>

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>

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>

Uusheimo, S, Huotari, J, Tulonen, T, Aalto, SL, Rissanen, AJ & Arvola, L 2018, 'High Nitrogen Removal in a Constructed Wetland Receiving Treated Wastewater in a Cold Climate', *Environmental science & technology*, Vuosikerta. 52, Nro 22, Sivut 13343-13350. <https://doi.org/10.1021/acs.est.8b03032>

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>

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>

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>

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>

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>

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>

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>

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>

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>

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>

Umeyama, T, Hanaoka, T, Yamada, H, Namura, Y, Mizuno, S, Ohara, T, Baek, J, Park, J, Takano, Y, Stranius, K, Tkachenko, NV & Imahori, H 2019, 'Exclusive occurrence of photoinduced energy transfer and switching of its direction by rectangular π -extension of nanographenes', *Chemical Science*, Vuosikerta. 10, Nro 27, Sivut 6642-6650. <https://doi.org/10.1039/c9sc01538h>

Shin, M, Kim, J, Jung, YK, Ruoko, T-P, Priimagi, 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>

Tienaho, J, Karonen, M, Muilu-Mäkelä, R, Wähälä, K, Denegri, EL, Franzén, R, Karp, M, Santala, V & Sarjala, T 2019, 'Metabolic profiling of water-soluble compounds from the extracts of dark septate endophytic fungi (DSE) isolated from scots pine (*Pinus sylvestris* L.) seedlings using UPLC-orbitrap-MS', *Molecules*, Vuosikerta. 24, Nro 12, 2330. <https://doi.org/10.3390/molecules24122330>

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.jpcllett.9b01045>

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>

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>

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>

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>

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>

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>

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>

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>

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>

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>

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>

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>

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>

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>