

- Aisala, Heikki et al. "Linking volatile and non-volatile compounds to sensory profiles and consumer liking of wild edible Nordic mushrooms". *Food Chemistry*. 2020. 304. <https://doi.org/10.1016/j.foodchem.2019.125403>
- Zhang, Hang et al. "Programmable responsive hydrogels inspired by classical conditioning algorithm". *Nature Communications*. 2019. 10(1). <https://doi.org/10.1038/s41467-019-11260-3>
- Saegusa, Toshiyuki et al. "Controlled Orientations of Neighboring Tetracene Units by Mixed Self-Assembled Monolayers on Gold Nanoclusters for High-Yield and Long-Lived Triplet Excited States through Singlet Fission". *Journal of the American Chemical Society*. 2019, 141(37). 14720-14727. <https://doi.org/10.1021/jacs.9b06567>
- Haavisto, Johanna et al. "Effects of anode materials on electricity production from xylose and treatability of TMP wastewater in an up-flow microbial fuel cell". *Chemical Engineering Journal*. 2019, 372. 141-150. <https://doi.org/10.1016/j.cej.2019.04.090>
- Reshef, Orad et al. "Multiresonant High-Q Plasmonic Metasurfaces". *Nano Letters*. 2019, 19(9). 6429-6434. <https://doi.org/10.1021/acs.nanolett.9b02638>
- Karjalainen, Panu et al. "Strategies To Diminish the Emissions of Particles and Secondary Aerosol Formation from Diesel Engines". *Environmental science & technology*. 2019, 53(17). 10408-10416. <https://doi.org/10.1021/acs.est.9b04073>
- Calejo, M. Teresa et al. "Porous polybutylene succinate films enabling adhesion of human embryonic stem cell-derived retinal pigment epithelial cells (hESC-RPE)". *European Polymer Journal*. 2019, 118. 78-87. <https://doi.org/10.1016/j.eurpolymj.2019.05.041>
- Poojari, Chetan et al. "Behavior of the DPH fluorescence probe in membranes perturbed by drugs". *Chemistry and Physics of Lipids*. 2019. 223. <https://doi.org/10.1016/j.chemphyslip.2019.104784>
- Wang, Shujiang et al. "Influence of ions to modulate hydrazone and oxime reaction kinetics to obtain dynamically cross-linked hyaluronic acid hydrogels". *Polymer Chemistry*. 2019, 10(31). 4322-4327. <https://doi.org/10.1039/c9py00862d>
- Kiilakoski, J. et al. "Characterizing the micro-impact fatigue behavior of APS and HVOF-sprayed ceramic coatings". *Surface and Coatings Technology*. 2019, 371. 245-254. <https://doi.org/10.1016/j.surfcoat.2018.10.097>
- Fantozzi, Davide et al. "Chlorine induced high-temperature corrosion mechanisms in HVOF and HVOF sprayed Cr₃C₂-based hardmetal coatings". *Corrosion Science*. 2019. <https://doi.org/10.1016/j.corsci.2019.108166>
- Schraik, Daniel et al. "Bayesian inversion of a forest reflectance model using Sentinel-2 and Landsat 8 satellite images". *JOURNAL OF QUANTITATIVE SPECTROSCOPY AND RADIATIVE TRANSFER*. 2019, 233. 1-12. <https://doi.org/10.1016/j.jqsrt.2019.05.013>
- Solovyev, Aleksey I. et al. "Photochemistry of dithiophosphinate Ni(S₂P(i-Bu)₂)₂ complex in CCl₄. Transient species and TD-DFT calculations". *Journal of Photochemistry and Photobiology A: Chemistry*. 2019. 381. <https://doi.org/10.1016/j.jphotochem.2019.111857>
- Matikainen, V. et al. "Erosion wear performance of WC-10Co4Cr and Cr₃C₂-25NiCr coatings sprayed with high-velocity thermal spray processes". *Surface and Coatings Technology*. 2019, 370. 196-212. <https://doi.org/10.1016/j.surfcoat.2019.04.067>
- Kezilebieke, Shawulienu et al. "Observation of Coexistence of Yu-Shiba-Rusinov States and Spin-Flip Excitations". *Nano Letters*. 2019, 19(7). 4614-4619. <https://doi.org/10.1021/acs.nanolett.9b01583>
- the FCC Collaboration et al. "FCC-hh: The Hadron Collider: Future Circular Collider Conceptual Design Report Volume 3". *European Physical Journal: Special Topics*. 2019, 228(4). 755-1107. <https://doi.org/10.1140/epjst/e2019-900087-0>

Ghalibaf, Maryam, Tharaka Rama Krishna C. Doddapaneni and Raimo Alén. "Pyrolytic behavior of lignocellulosic-based polysaccharides". *Journal of Thermal Analysis and Calorimetry*. 2019, 137(1). 121-131. <https://doi.org/10.1007/s10973-018-7919-y>

Paananen, Riku O. et al. "Crystalline Wax Esters Regulate the Evaporation Resistance of Tear Film Lipid Layers Associated with Dry Eye Syndrome". *Journal of Physical Chemistry Letters*. 2019, 10(14). 3893-3898. <https://doi.org/10.1021/acs.jpcclett.9b01187>

Banerjee, Shib Shankar et al. "Water-Responsive and Mechanically Adaptive Natural Rubber Composites by in Situ Modification of Mineral Filler Structures". *Journal of Physical Chemistry B*. 2019, 123(24). 5168-5175. <https://doi.org/10.1021/acs.jpcc.9b02125>

Hilka, Joonas et al. "Epitaxial phases of high Bi content GaSbBi alloys". *Journal of Crystal Growth*. 2019, 516. 67-71. <https://doi.org/10.1016/j.jcrysgro.2019.03.028>

Sautter, Jürgen D. et al. "Tailoring Second-Harmonic Emission from (111)-GaAs Nanoantennas". *Nano Letters*. 2019, 19(6). 3905-3911. <https://doi.org/10.1021/acs.nanolett.9b01112>

Lolicato, Fabio et al. "The Role of Temperature and Lipid Charge on Intake/Uptake of Cationic Gold Nanoparticles into Lipid Bilayers". *Small*. 2019, 15(23). <https://doi.org/10.1002/sml.201805046>

Sariola, Veikko. "Analytical Expressions for Spring Constants of Capillary Bridges and Snap-in Forces of Hydrophobic Surfaces". *Langmuir*. 2019, 35(22). 7129-7135. <https://doi.org/10.1021/acs.langmuir.9b00152>

Lai, Yuli et al. "Correlation of Surface Morphology and Interfacial Adhesive Behavior between Cellulose Surfaces: Quantitative Measurements in Peak-Force Mode with the Colloidal Probe Technique". *Langmuir*. 2019, 35(22). 7312-7321. <https://doi.org/10.1021/acs.langmuir.8b03503>

Ali, Ihtisham et al. "Methods for simultaneous robot-world-hand-eye calibration: A comparative study". *Sensors (Switzerland)*. 2019, 19(12). <https://doi.org/10.3390/s19122837>

Kekonen, Atte et al. "Bioimpedance Sensor Array for Long-Term Monitoring of Wound Healing from Beneath the Primary Dressings and Controlled Formation of H₂O₂ Using Low-Intensity Direct Current". *Sensors*. 2019, 19(11). <https://doi.org/10.3390/s19112505>

Iyer, Siddharth, Matti P. Rissanen and Theo Kurtén. "Reaction between Peroxy and Alkoxy Radicals Can Form Stable Adducts". *Journal of Physical Chemistry Letters*. 2019, 10(9). 2051-2057. <https://doi.org/10.1021/acs.jpcclett.9b00405>

Gil-Gallegos, S. et al. "Energy-dependent diffusion in a soft periodic Lorentz gas". *European Physical Journal: Special Topics*. 2019, 228(1). 143-160. <https://doi.org/10.1140/epjst/e2019-800136-8>

Trainer, Daniel J. et al. "Moiré superlattices and 2D electronic properties of graphite/MoS₂ heterostructures". *Journal of Physics and Chemistry of Solids*. 2019, 128. 325-330. <https://doi.org/10.1016/j.jpcs.2017.10.034>

Saari, Timo and Jouko Nieminen. "Spin filtering in silicene by edges and chemically or electrically induced interfaces". *Journal of Physics and Chemistry of Solids*. 2019, 128. 316-324. <https://doi.org/10.1016/j.jpcs.2017.12.037>

Itävuo, Pekka et al. "Mass balance control of crushing circuits". *Minerals Engineering*. 2019, 135. 37-47. <https://doi.org/10.1016/j.mineng.2019.02.033>

- Kulig, Waldemar et al. "Complex Behavior of Phosphatidylcholine-Phosphatidic Acid Bilayers and Monolayers: Effect of Acyl Chain Unsaturation". *Langmuir*. 2019, 35(17). 5944-5956. <https://doi.org/10.1021/acs.langmuir.9b00381>
- Puustinen, J., J. Hilska, and M. Guina. "Analysis of GaAsBi growth regimes in high resolution with respect to As/Ga ratio using stationary MBE growth". *Journal of Crystal Growth*. 2019, 511. 33-41. <https://doi.org/10.1016/j.jcrysgro.2019.01.010>
- Asikainen, Sanja et al. "Hydrolysis and drug release from poly(ethylene glycol)-modified lactone polymers with open porosity". *European Polymer Journal*. 2019, 113. 165-175. <https://doi.org/10.1016/j.eurpolymj.2019.01.056>
- Ometov, Aleksandr et al. "Positioning information privacy in intelligent transportation systems: An overview and future perspective". *Sensors*. 2019. 19(7). <https://doi.org/10.3390/s19071603>
- Kerst, Thomas et al. "Alpha radiation-induced luminescence by am-241 in aqueous nitric acid solution". *Sensors (Switzerland)*. 2019. 19(7). <https://doi.org/10.3390/s19071602>
- Kuroda, Kiyonori et al. "A Pentacene-based Nanotube Displaying Enriched Electrochemical and Photochemical Activities". *Angewandte Chemie - International Edition*. 2019, 58(4). 1115-1119. <https://doi.org/10.1002/anie.201812976>
- Ruoko, Tero-Petri et al. "Charge carrier dynamics in tantalum oxide overlayers and tantalum doped hematite photoanodes". *Journal of Materials Chemistry A*. 2019, 7(7). 3206-3215. <https://doi.org/10.1039/C8TA09501A>
- Guglielmetti, Simone et al. "O₂-requiring molecular reporters of gene expression for anaerobic microorganisms". *Biosensors and Bioelectronics*. 2019, 123. 1-6. <https://doi.org/10.1016/j.bios.2018.09.066>
- Levämäki, H. et al. "An automated algorithm for reliable equation of state fitting of magnetic systems". *Computational Materials Science*. 2019, 156. 121-128. <https://doi.org/10.1016/j.commatsci.2018.09.026>
- Shin, Mingue et al. "Low-dimensional formamidinium lead perovskite architectures via controllable solvent intercalation". *Journal of Materials Chemistry C*. 2019, 7(13). 3945-3951. <https://doi.org/10.1039/c9tc00379g>
- Bhagyaraj, Sneha et al. "Tuning of nonlinear absorption in highly luminescent CdSe based quantum dots with core-shell and core/multi-shell architectures". *Physical Chemistry Chemical Physics*. 2019, 21(21). 11424-11434. <https://doi.org/10.1039/c9cp00476a>
- Mandal, Sadananda and Nikolai V. Tkachenko. "Multiphoton Excitation of CsPbBr₃ Perovskite Quantum Dots (PQDs): How Many Electrons Can One PQD Donate to Multiple Molecular Acceptors?". *Journal of Physical Chemistry Letters*. 2019, 2775-2781. <https://doi.org/10.1021/acs.jpcclett.9b01045>
- Lemougna, Patrick N. et al. "Spodumene tailings for porcelain and structural materials: Effect of temperature (1050–1200°C) on the sintering and properties". *Minerals Engineering*. 2019. <https://doi.org/10.1016/j.mineng.2019.105843>
- Eregowda, Tejaswini et al. "Volatile fatty acid adsorption on anion exchange resins: kinetics and selective recovery of acetic acid". *Separation Science and Technology (Philadelphia)*. 2019. <https://doi.org/10.1080/01496395.2019.1600553>
- Anttalainen, Osmo et al. "Possible strategy to use differential mobility spectrometry in real time applications". *International Journal for Ion Mobility Spectrometry*. 2019. <https://doi.org/10.1007/s12127-019-00251-1>
- Assoah, Benedicta et al. "Synthesis of 6,12-disubstituted methanodibenzo[b,f][1,5]dioxocins: Pyrrolidine catalyzed self-condensation of 2'-Hydroxyacetophenones". *Molecules*. 2019. 24(13). <https://doi.org/10.3390/molecules24132405>

Tienaho, Jenni et al. "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*. 2019. 24(12). <https://doi.org/10.3390/molecules24122330>

Umeyama, Tomokazu et al. "Exclusive occurrence of photoinduced energy transfer and switching of its direction by rectangular π -extension of nanographenes". *Chemical Science*. 2019, 10(27). 6642-6650. <https://doi.org/10.1039/c9sc01538h>

Liu, Weijun et al. "The maximum Hosoya index of unicyclic graphs with diameter at most four". *Symmetry*. 2019. 11(8). <https://doi.org/10.3390/sym11081034>

Ghorbani, Modjtaba et al. "The Hosoya entropy of graphs revisited". *Symmetry*. 2019. 11(8). <https://doi.org/10.3390/sym11081013>

Banerjee, Shib Shankar et al. "Temperature scanning stress relaxation behavior of water responsive and mechanically adaptive elastomer nanocomposites". *Journal of Applied Polymer Science*. 2019. <https://doi.org/10.1002/app.48344>

Joost, Urmas et al. "Reversible photodoping of TiO₂ nanoparticles". *Chemistry of Materials*. 2018, 30(24). 8968-8974. <https://doi.org/10.1021/acs.chemmater.8b04813>

Czaplicki, Robert et al. "Less Is More: Enhancement of Second-Harmonic Generation from Metasurfaces by Reduced Nanoparticle Density". *Nano Letters*. 2018, 18(12). 7709-7714. <https://doi.org/10.1021/acs.nanolett.8b03378>

Garifullin, Marsel. "Experimental moment resistance of rectangular hollow section T joints". *MATEC Web of Conferences*. 2018. 245. <https://doi.org/10.1051/mateconf/201824508003>

Kotila, Tommi et al. "Structural basis of actin monomer re-charging by cyclase-Associated protein". *Nature Communications*. 2018. 9(1). <https://doi.org/10.1038/s41467-018-04231-7>

Perumbilavil, Sreekanth et al. "Beaming random lasers with soliton control". *Nature Communications*. 2018. 9(1). <https://doi.org/10.1038/s41467-018-06170-9>

Salmenjoki, Henri, Mikko J. Alava, and Lasse Laurson. "Machine learning plastic deformation of crystals". *Nature Communications*. 2018. 9(1). <https://doi.org/10.1038/s41467-018-07737-2>

Ferreira, Silvia A. et al. "Bi-directional cell-pericellular matrix interactions direct stem cell fate". *Nature Communications*. 2018. 9(1). <https://doi.org/10.1038/s41467-018-06183-4>

Rimpiläinen, Tatu et al. "Aminobenzylated 4-Nitrophenols as Antibacterial Agents Obtained from 5-Nitrosalicylaldehyde through a Petasis Borono-Mannich Reaction". *ACS Omega*. 2018, 3(11). 16191-16202. <https://doi.org/10.1021/acsomega.8b02381>

Närhi, Mikko et al. "Machine learning analysis of extreme events in optical fibre modulation instability". *Nature Communications*. 2018. 9(1). <https://doi.org/10.1038/s41467-018-07355-y>

Uusheimo, Sari et al. "High Nitrogen Removal in a Constructed Wetland Receiving Treated Wastewater in a Cold Climate". *Environmental science & technology*. 2018, 52(22). 13343-13350. <https://doi.org/10.1021/acs.est.8b03032>

Sakai, Hayato et al. "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*. 2018, 24(64). 17062-17071. <https://doi.org/10.1002/chem.201803257>

- Rinne, Jukka et al. "M2M Communication Assessment in Energy-Harvesting and Wake-Up Radio Assisted Scenarios Using Practical Components". *Sensors (Basel, Switzerland)*. 2018. 18(11). <https://doi.org/10.3390/s18113992>
- Chevrier, Daniel M. et al. "Molecular-Scale Ligand Effects in Small Gold-Thiolate Nanoclusters". *Journal of the American Chemical Society*. 2018, 140(45). 15430-15436. <https://doi.org/10.1021/jacs.8b09440>
- Tan, Lea Chua et al. "Biological treatment of selenium-laden wastewater containing nitrate and sulfate in an upflow anaerobic sludge bed reactor at pH 5.0". *Chemosphere*. 2018, 211. 684-693. <https://doi.org/10.1016/j.chemosphere.2018.07.079>
- Huttunen-Saarivirta, E. et al. "Tribocorrosion behaviour of aluminium bronze in 3.5 wt.% NaCl solution". *Corrosion Science*. 2018, 144. 207-223. <https://doi.org/10.1016/j.corsci.2018.08.058>
- Tiihonen, Juha, Ilkka Kylänpää, and Tapio T. Rantala. "Computation of Dynamic Polarizabilities and van der Waals Coefficients from Path-Integral Monte Carlo". *Journal of Chemical Theory and Computation*. 2018, 14. 5750-5763. <https://doi.org/10.1021/acs.jctc.8b00859>
- Heijne, Annemiek ter et al. "Quantification of bio-anode capacitance in bioelectrochemical systems using Electrochemical Impedance Spectroscopy". *Journal of Power Sources*. 2018, 400. 533-538. <https://doi.org/10.1016/j.jpowsour.2018.08.003>
- Rajan, Rathish et al. "Mechanical, thermal, and burning properties of viscose fabric composites: Influence of epoxy resin modification". *Journal of Applied Polymer Science*. 2018. 135(36). <https://doi.org/10.1002/app.46673>
- Jermakka, Johannes et al. "Electro-concentration for chemical-free nitrogen capture as solid ammonium bicarbonate". *Separation and Purification Technology*. 2018, 203. 48-55. <https://doi.org/10.1016/j.seppur.2018.04.023>
- Nieminen, Ville et al. "A compact olfactometer for IMS measurements and testing human perception". *International Journal for Ion Mobility Spectrometry*. 2018, 21(3). 71-80. <https://doi.org/10.1007/s12127-018-0235-1>
- Hyväluoma, Jari et al. "Effects of pyrolysis temperature on the hydrologically relevant porosity of willow biochar". *Journal of Analytical and Applied Pyrolysis*. 2018. 134. <https://doi.org/10.1016/j.jaap.2018.07.011>
- Mandal, Sadananda et al. "Photoinduced Energy Transfer in ZnCdSeS Quantum Dot-Phthalocyanines Hybrids". *ACS Omega*. 2018, 3(8). 10048-10057. <https://doi.org/10.1021/acsomega.8b01623>
- Tan, Lea Chua et al. "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*. 2018, 93(8). 2380-2389. <https://doi.org/10.1002/jctb.5586>
- Hiltunen, Arto et al. "Design aspects of all atomic layer deposited TiO₂-Fe₂O₃ scaffold-absorber photoanodes for water splitting". *Sustainable Energy & Fuels*. 2018, 2(9). 2124-2130. <https://doi.org/10.1039/C8SE00252E>
- Rajala, Satu et al. "High Bending-Mode Sensitivity of Printed Piezoelectric Poly(vinylidene fluoride- co-trifluoroethylene) Sensors". *ACS Omega*. 2018, 3(7). 8067-8073. <https://doi.org/10.1021/acsomega.8b01185>
- Laurén, Patrick et al. "Pectin and Mucin Enhance the Bioadhesion of Drug Loaded Nanofibrillated Cellulose Films". *Pharmaceutical Research*. 2018. 35(7). <https://doi.org/10.1007/s11095-018-2428-z>
- Siljander, Sanna et al. "Effect of surfactant type and sonication energy on the electrical conductivity properties of nanocellulose-CNT nanocomposite films". *International Journal of Molecular Sciences*. 2018. 19(6). <https://doi.org/10.3390/ijms19061819>

Nair, Anju K. et al. "Multifunctional nitrogen sulfur co-doped reduced graphene oxide – Ag nano hybrids (sphere, cube and wire) for nonlinear optical and SERS applications". *Carbon*. 2018, 132. 380-393. <https://doi.org/10.1016/j.carbon.2018.02.068>

George, Lijo et al. "Photo-antimicrobial efficacy of zinc complexes of porphyrin and phthalocyanine activated by inexpensive consumer LED lamp". *Journal of Inorganic Biochemistry*. 2018, 183. 94-100. <https://doi.org/10.1016/j.jinorgbio.2018.03.015>

Pirhonen, Mikko, Mikko Peltokangas, and Antti Vehkaoja. "Acquiring respiration rate from photoplethysmographic signal by recursive bayesian tracking of intrinsic modes in time-frequency spectra". *Sensors*. 2018. 18(6). <https://doi.org/10.3390/s18061693>

Virtanen, Juhani et al. "Evaluation of dry electrodes in canine heart rate monitoring". *Sensors*. 2018. 18(6). <https://doi.org/10.3390/s18061757>

Virkki, Kirsi et al. "Effect of Co-Adsorbate and Hole Transporting Layer on the Photoinduced Charge Separation at the TiO₂-Phthalocyanine Interface". *ACS Omega*. 2018, 3(5). 4947-4958. <https://doi.org/10.1021/acsomega.8b00600>

Zhou, Kecheng et al. "A Ceramide-Regulated Element in the Late Endosomal Protein LAPTM4B Controls Amino Acid Transporter Interaction". *ACS Central Science*. 2018, 4(5). 548-558. <https://doi.org/10.1021/acscentsci.7b00582>

Raappana, Marianna et al. "Wet etching of dilute nitride GaInNAs, GaInNAsSb, and GaNAsSb alloys lattice-matched to GaAs". *Corrosion Science*. 2018, 136. 268-274. <https://doi.org/10.1016/j.corsci.2018.03.018>

Manninen, Hanna et al. "Free amino acids and 5'-nucleotides in Finnish forest mushrooms". *Food Chemistry*. 2018, 247. 23-28. <https://doi.org/10.1016/j.foodchem.2017.12.014>

Harra, Juha et al. "Characteristics of nFOG, an aerosol-based wet thin film coating technique". *Journal of Coatings Technology Research*. 2018, 15(3). 623-632. <https://doi.org/10.1007/s11998-017-0022-7>

Melcr, Josef et al. "Accurate Binding of Sodium and Calcium to a POPC Bilayer by Effective Inclusion of Electronic Polarization". *Journal of Physical Chemistry B*. 2018, 122(16). 4546-4557. <https://doi.org/10.1021/acs.jpcc.7b12510>

Khan, Musammir et al. "Composite Hydrogels Using Bioinspired Approach with in Situ Fast Gelation and Self-Healing Ability as Future Injectable Biomaterial". *ACS Applied Materials & Interfaces*. 2018, 10(14). 11950-11960. <https://doi.org/10.1021/acsmami.8b01351>

Magarkar, Aniket et al. "Membrane bound COMT isoform is an interfacial enzyme: General mechanism and new drug design paradigm". *Chemical Communications*. 2018, 54(28). 3440-3443. <https://doi.org/10.1039/c8cc00221e>

Sassatelli, Paolo et al. "Properties of HVOF-sprayed Stellite-6 coatings". *Surface and Coatings Technology*. 2018, 338. 45-62. <https://doi.org/10.1016/j.surfcoat.2018.01.078>

Poutanen, Mikko et al. "Thermal Isomerization of Hydroxyazobenzenes as a Platform for Vapor Sensing". *ACS Macro Letters*. 2018, 7(3). 381-386. <https://doi.org/10.1021/acsmacrolett.8b00093>

Janka, Leo et al. "Improving the high temperature abrasion resistance of thermally sprayed Cr₃C₂-NiCr coatings by WC addition". *Surface and Coatings Technology*. 2018, 337. 296-305. <https://doi.org/10.1016/j.surfcoat.2018.01.035>

Karvinen, Jennika et al. "Soft hydrazone crosslinked hyaluronan- and alginate-based hydrogels as 3D supportive matrices for human pluripotent stem cell-derived neuronal cells". *Reactive and Functional Polymers*. 2018, 124. 29-39. <https://doi.org/10.1016/j.reactfunctpolym.2017.12.019>

Hannula, Markku et al. "Improved Stability of Atomic Layer Deposited Amorphous TiO₂ Photoelectrode Coatings by Thermally Induced Oxygen Defects". *Chemistry of Materials*. 2018, 30(4). 1199-1208. <https://doi.org/10.1021/acs.chemmater.7b02938>

Mehrang, Saeed, Julia Pietilä, and Ilkka Korhonen. "An activity recognition framework deploying the random forest classifier and a single optical heart rate monitoring and triaxial accelerometer wrist-band". *Sensors*. 2018. 18(2). <https://doi.org/10.3390/s18020613>

Kainulainen, Tuomo P. et al. "UV-Blocking Synthetic Biopolymer from Biomass-Based Bifuran Diester and Ethylene Glycol". *Macromolecules*. 2018, 51(5). 1822-1829. <https://doi.org/10.1021/acs.macromol.7b02457>

Vale, Joao R. et al. "Pot-economy autooxidative condensation of 2-Aryl-2-lithio-1,3-dithianes". *Journal of Organic Chemistry*. 2018, 83(4). 1948-1958. <https://doi.org/10.1021/acs.joc.7b02896>

Vaikuntam, Sankar Raman et al. "Entrapped Styrene Butadiene Polymer Chains by Sol-Gel-Derived Silica Nanoparticles with Hierarchical Raspberry Structures". *Journal of Physical Chemistry B*. 2018, 122(6). 2010-2022. <https://doi.org/10.1021/acs.jpcc.7b11792>

Iantovics, Laszlo Barna, Matthias Dehmer, and Frank Emmert-Streib. "MetriIntSimil-an accurate and robust metric for comparison of similarity in intelligence of any number of cooperative multiagent systems". *Symmetry*. 2018. 10(2). <https://doi.org/10.3390/sym10020048>

Barreca, Davide et al. "Controlled Growth of Supported ZnO Inverted Nanopyramids with Downward Pointing Tips". *Crystal Growth and Design*. 2018, 18(4). 2579-2587. <https://doi.org/10.1021/acs.cgd.8b00198>

Das, Amit et al. "Temperature scanning stress relaxation of an autonomous self-healing elastomer containing non-covalent reversible network junctions". *Polymers*. 2018. 10(1). <https://doi.org/10.3390/polym10010094>

Kato, Daiki et al. "Concentration-dependent photophysical switching in mixed self-assembled monolayers of pentacene and perylene diimide on gold nanoclusters". *Physical Chemistry Chemical Physics*. 2018, 20(13). 8695-8706. <https://doi.org/10.1039/c8cp00174j>

Ojha, N. et al. "Upconversion from fluorophosphate glasses prepared with NaYF₄:Er³⁺, Yb³⁺ nanocrystals". *RSC Advances*. 2018, 8(34). 19226-19236. <https://doi.org/10.1039/c8ra03298j>

Saccone, Marco et al. "Ortho-Fluorination of azophenols increases the mesophase stability of photoresponsive hydrogen-bonded liquid crystals". *Journal of Materials Chemistry C*. 2018, 6(37). 9958-9963. <https://doi.org/10.1039/c8tc02611d>

Shakun, Alexandra et al. "Improved electromechanical response in acrylic rubber by different carbon-based fillers". *Polymer Engineering and Science*. 2018, 58(3). 395-404. <https://doi.org/10.1002/pen.24586>

Rajan, Rathish et al. "Modification of epoxy resin by silane-coupling agent to improve tensile properties of viscose fabric composites". *Polymer Bulletin*. 2018, 75(1). 167-195. <https://doi.org/10.1007/s00289-017-2022-2>

Doddapaneni, Tharaka Rama Krishna C. et al. "Adsorption of furfural from torrefaction condensate using torrefied biomass". *Chemical Engineering Journal*. 2018, 334. 558-568. <https://doi.org/10.1016/j.cej.2017.10.053>

Honkanen, Mari et al. "Regeneration of sulfur-poisoned Pd-based catalyst for natural gas oxidation". *Journal of Catalysis*. 2018, 358. 253-265. <https://doi.org/10.1016/j.jcat.2017.12.021>

- Dessi, Paolo et al. "Composition and role of the attached and planktonic microbial communities in mesophilic and thermophilic xylose-fed microbial fuel cells". *RSC Advances*. 2018, 8(6). 3069-3080. <https://doi.org/10.1039/c7ra12316g>
- Ojha, N. et al. "Decomposition of persistent luminescent microparticles in corrosive phosphate glass melt". *Corrosion Science*. 2018, 135. 207-214. <https://doi.org/10.1016/j.corsci.2018.02.050>
- Saarimaa, Ville et al. "Convenient extraction method for quantification of thin zinc patina layers". *Surface and Interface Analysis*. 2018, 50(5). 564-570. <https://doi.org/10.1002/sia.6429>
- Rokade, Shalaka S. et al. "Gloriosa superba Mediated Synthesis of Platinum and Palladium Nanoparticles for Induction of Apoptosis in Breast Cancer". *Bioinorganic Chemistry and Applications*. 2018. 2018. <https://doi.org/10.1155/2018/4924186>
- Tienaho, Jenni et al. "A Bioscreening Technique for Ultraviolet Irradiation Protective Natural Substances". *Photochemistry and Photobiology*. 2018, 94(6). 1273-1280. <https://doi.org/10.1111/php.12954>
- D'Urso, Luisa et al. "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*. 2018, 20(31). 20588-20596. <https://doi.org/10.1039/c7cp08552d>
- Nykänen, Hannu, Promise A. Mpamah, and Antti J. Rissanen. "Stable carbon isotopic composition of peat columns, subsoil and vegetation on natural and forestry-drained boreal peatlands". *Isotopes in Environmental and Health Studies*. 2018. 54(6). <https://doi.org/10.1080/10256016.2018.1523158>
- Sadiek, Ibrahim et al. "Optical frequency comb photoacoustic spectroscopy". *Physical Chemistry Chemical Physics*. 2018, 20(44). 27849-27855. <https://doi.org/10.1039/c8cp05666h>
- Durandin, Nikita A. et al. "Efficient photon upconversion at remarkably low annihilator concentrations in a liquid polymer matrix: when less is more". *Chemical Communications*. 2018, 54(99). 14029-14032. <https://doi.org/10.1039/c8cc07592a>
- Virkki, Matti et al. "On the molecular optical nonlinearity of halogen-bond-forming azobenzenes". *Physical Chemistry Chemical Physics*. 2018, 20(45). 28810-28817. <https://doi.org/10.1039/c8cp05392h>
- Saarimaa, Ville et al. "Supercritical carbon dioxide treatment of hot dip galvanized steel as a surface treatment before coating". *Surface and Coatings Technology*. 2017, 331. 137-142. <https://doi.org/10.1016/j.surfcoat.2017.10.047>
- Lisitsyna, Ekaterina S. et al. "Time-Resolved Fluorescence Spectroscopy Reveals Fine Structure and Dynamics of Poly(L-lysine) and Polyethylenimine Based DNA Polyplexes". *Journal of Physical Chemistry B*. 2017, 121(48). 10782-10792. <https://doi.org/10.1021/acs.jpcc.7b08394>
- Liimatainen, Ville et al. "Mapping microscale wetting variations on biological and synthetic water-repellent surfaces". *Nature Communications*. 2017. 8(1). <https://doi.org/10.1038/s41467-017-01510-7>
- Sippola, Roosa J. et al. "Carbazole-based small molecule electron donors: Syntheses, characterization, and material properties". *Dyes and Pigments*. 2017, 150. 79-88. <https://doi.org/10.1016/j.dyepig.2017.11.014>
- Danne, Reinis et al. "DoGlycans-Tools for Preparing Carbohydrate Structures for Atomistic Simulations of Glycoproteins, Glycolipids, and Carbohydrate Polymers for GROMACS". *Journal of Chemical Information and Modeling*. 2017, 57(10). 2401-2406. <https://doi.org/10.1021/acs.jcim.7b00237>
- Isakov, M. et al. "Systematic analysis of coating-substrate interactions in the presence of flow localization". *Surface and Coatings Technology*. 2017, 324. 264-280. <https://doi.org/10.1016/j.surfcoat.2017.05.040>

- Timr, Štěpán et al. "Membrane Binding of Recoverin: From Mechanistic Understanding to Biological Functionality". *ACS Central Science*. 2017, 3(8). 868-874. <https://doi.org/10.1021/acscentsci.7b00210>
- Pirjola, L. et al. "Exhaust emissions of non-road mobile machine: Real-world and laboratory studies with diesel and HVO fuels". *Fuel*. 2017, 202. 154-164. <https://doi.org/10.1016/j.fuel.2017.04.029>
- Itävuori, Pekka, Erik Hulthén, and Matti Vilkkö. "Feed-hopper level estimation and control in cone crushers". *Minerals Engineering*. 2017, 110. 82-95. <https://doi.org/10.1016/j.mineng.2017.04.010>
- Rahaman, Obaidur et al. "Configurational Disorder of Water Hydrogen-Bond Network at the Protein Dynamical Transition". *Journal of Physical Chemistry Part B*. 2017, 121(28). 6792-6798. <https://doi.org/10.1021/acs.jpcc.7b03888>
- Poikelispää, Minna et al. "Vegetable fillers for electric stimuli responsive elastomers". *Journal of Applied Polymer Science*. 2017. 134(28). <https://doi.org/10.1002/app.45081>
- Suominen, Milla et al. "Electropolymerized polyazulene as active material in flexible supercapacitors". *Journal of Power Sources*. 2017, 356. 181-190. <https://doi.org/10.1016/j.jpowsour.2017.04.082>
- Nogueira, Idelfonso B.R. et al. "Dynamics of a True Moving Bed separation process: Linear model identification and advanced process control". *Journal of Chromatography A*. 2017. 1504. <https://doi.org/10.1016/j.chroma.2017.04.060>
- Baek, Jinseok et al. "Long-Range Observation of Exciplex Formation and Decay Mediated by One-Dimensional Bridges". *Journal of Physical Chemistry C*. 2017, 121(25). 13952-13961. <https://doi.org/10.1021/acs.jpcc.7b04483>
- Railanmaa, Anna, Suvi Lehtimäki, and Donald Lupo. "Comparison of starch and gelatin hydrogels for non-toxic supercapacitor electrolytes". *Applied Physics A-Materials Science and Processing*. 2017. 123(6). <https://doi.org/10.1007/s00339-017-1068-1>
- Ma, Li, Kari Laasonen, and Jaakko Akola. "Catalytic Activity of AuCu Clusters on MgO(100): Effect of Alloy Composition for CO Oxidation". *Journal of Physical Chemistry C*. 2017, 121(20). 10876-10886. <https://doi.org/10.1021/acs.jpcc.6b12054>
- Goh, Jing-Qiang, Jaakko Akola and Riccardo Ferrando. "Geometric Structure and Chemical Ordering of Large AuCu Clusters: A Computational Study". *Journal of Physical Chemistry C*. 2017, 121(20). 10809-10816. <https://doi.org/10.1021/acs.jpcc.6b11958>
- Piccardi, A. et al. "Nematicon-enhanced spontaneous symmetry breaking". *Molecular Crystals and Liquid Crystals*. 2017, 649(1). 59-65. <https://doi.org/10.1080/15421406.2017.1303916>
- Jones, R. O. et al. "Density functional study of structure and dynamics in liquid antimony and Sb_n clusters". *Journal of Chemical Physics*. 2017. 146(19). <https://doi.org/10.1063/1.4983219>
- Kramb, Jason et al. "The effects of calcium and potassium on CO₂ gasification of birch wood in a fluidized bed". *Fuel*. 2017, 196. 398-407. <https://doi.org/10.1016/j.fuel.2017.01.101>
- Virkki, Kirsi et al. "Photoinduced Electron Injection from Zinc Phthalocyanines into Zinc Oxide Nanorods: Aggregation Effects". *Journal of Physical Chemistry C*. 2017, 121(17). 9594-9605. <https://doi.org/10.1021/acs.jpcc.7b01562>
- Honkanen, Mari et al. "Electron microscopic studies of natural gas oxidation catalyst – Effects of thermally accelerated aging on catalyst microstructure". *Journal of Catalysis*. 2017, 349. 19-29. <https://doi.org/10.1016/j.jcat.2017.03.003>

- Mah, Pei T. et al. "Elucidation of Compression-Induced Surface Crystallization in Amorphous Tablets Using Sum Frequency Generation (SFG) Microscopy". *Pharmaceutical Research*. 2017, 34(5). 957-970. <https://doi.org/10.1007/s11095-016-2046-6>
- Higashino, Tomohiro et al. "Hexaphyrin as a Potential Theranostic Dye for Photothermal Therapy and ^{19}F Magnetic Resonance Imaging". *ChemBioChem*. 2017, 18(10). 951-959. <https://doi.org/10.1002/cbic.201700071>
- Bilkova, Eva et al. "Calcium Directly Regulates Phosphatidylinositol 4,5-Bisphosphate Headgroup Conformation and Recognition". *Journal of the American Chemical Society*. 2017, 139(11). 4019-4024. <https://doi.org/10.1021/jacs.6b11760>
- Milani, Roberto et al. "Hierarchical Self-Assembly of Halogen-Bonded Block Copolymer Complexes into Upright Cylindrical Domains". *CheM*. 2017, 2(3). 417-426. <https://doi.org/10.1016/j.chempr.2017.02.003>
- Guixà-González, Ramon et al. "Membrane cholesterol access into a G-protein-coupled receptor". *Nature Communications*. 2017. 8. <https://doi.org/10.1038/ncomms14505>
- Izdebskaya, Yana et al. "Magnetic routing of light-induced waveguides". *Nature Communications*. 2017. 8. <https://doi.org/10.1038/ncomms14452>
- Siiskonen, Antti and Arri Priimägi. "Benchmarking DFT methods with small basis sets for the calculation of halogen-bond strengths". *Journal of Molecular Modeling*. 2017. 23(2). <https://doi.org/10.1007/s00894-017-3212-4>
- Balanta, M. A G et al. "Polarization resolved photoluminescence in $\text{GaAs}_{1-x}\text{Bi}_x/\text{GaAs}$ quantum wells". *Journal of Luminescence*. 2017, 182. 49-52. <https://doi.org/10.1016/j.jlumin.2016.10.008>
- Kovács, Péter Tamás et al. "Architectures and codecs for real-time light field streaming". *Journal of Imaging Science and Technology*. 2017. 61(1). <https://doi.org/10.2352/J.ImagingSci.Technol.2017.61.1.010403>
- Vuori, Leena et al. "Improved corrosion properties of Hot Dip Galvanized Steel by nanomolecular silane layers as hybrid interface between zinc and top coatings". *Corrosion*. 2017. 73(2). <https://doi.org/10.5006/2206>
- Lahbib, Ikram et al. "Synthesis, Structural Characterization, Hirshfeld Surface and Antioxidant Activity Analysis of a Novel Organic Cation Antimonate Complex". *Journal of Cluster Science*. 2017, 28(4). 2239-2252. <https://doi.org/10.1007/s10876-017-1217-x>
- Golovanov, V. V. et al. "Effects of orientation at the phthalocyanine-CdSe interface on the electron transfer characteristics". *Physical Chemistry Chemical Physics*. 2017, 19(16). 10511-10517. <https://doi.org/10.1039/c7cp00833c>
- Mojica, Edson, Said Pertuz and Henry Arguello. "High-resolution coded-aperture design for compressive X-ray tomography using low resolution detectors". *Optics Communications*. 2017, 404. 103-109. <https://doi.org/10.1016/j.optcom.2017.06.053>
- Fabert, M. et al. "Crystallization and sintering of borosilicate bioactive glasses for application in tissue engineering". *Journal of Materials Chemistry B*. 2017, 5(23). 4514-4525. <https://doi.org/10.1039/c7tb00106a>
- Javanainen, Matti et al. "Two cations, two mechanisms: Interactions of sodium and calcium with zwitterionic lipid membranes". *Chemical Communications*. 2017, 53(39). 5380-5383. <https://doi.org/10.1039/c7cc02208e>
- Vapaavuori, Jaana et al. "Supramolecular control of liquid crystals by doping with halogen-bonding dyes". *RSC Advances*. 2017, 7(64). 40237-40242. <https://doi.org/10.1039/c7ra06397k>

- Saccone, Marco et al. "Photoresponsive ionic liquid crystals assembled: Via halogen bond: En route towards light-controllable ion transporters". *Faraday Discussions*. 2017, 203. 407-422. <https://doi.org/10.1039/c7fd00120g>
- Baek, Jinseok et al. "Photophysical properties of porphyrin dimer-single-walled carbon nanotube linked systems". *Journal of Physical Chemistry C*. 2017. 121(39). <https://doi.org/10.1021/acs.jpcc.7b08594>
- Kordmahaleh, Aidin Alinezhad et al. "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*. 2017. 2017. <https://doi.org/10.1155/2017/4210184>
- Ntziachristos, L. et al. "Particle emissions characterization from a medium-speed marine diesel engine with two fuels at different sampling conditions". *Fuel*. 2016, 186. 456-465. <https://doi.org/10.1016/j.fuel.2016.08.091>
- Varis, T. et al. "Optimization of HVOF Cr₃C₂-NiCr coating for increased fatigue performance". *Surface and Coatings Technology*. 2016, 305. 123-131. <https://doi.org/10.1016/j.surfcoat.2016.08.012>
- Ropo, Matti, Jaakko Akola and Robert O. Jones. "Collective excitations and viscosity in liquid Bi". *Journal of Chemical Physics*. 2016. 145(18). <https://doi.org/10.1063/1.4965429>
- Poikelispää, Minna et al. "Improvement of actuation performance of dielectric elastomers by barium titanate and carbon black fillers". *Journal of Applied Polymer Science*. 2016. 133(42). <https://doi.org/10.1002/app.44116>
- Ali-Löytty, Harri et al. "Grain orientation dependent Nb-Ti microalloying mediated surface segregation on ferritic stainless steel". *Corrosion Science*. 2016, 112. 204-213. <https://doi.org/10.1016/j.corsci.2016.07.024>
- Reisberg, L. et al. "UPS and DFT investigation of the electronic structure of gas-phase trimesic acid". *Journal of Electron Spectroscopy and Related Phenomena*. 2016, 213. 11-16. <https://doi.org/10.1016/j.elspec.2016.10.004>
- Will, Olga Maria et al. "Increased survival rate by local release of diclofenac in a murine model of recurrent oral carcinoma". *International Journal of Nanomedicine*. 2016, 11. 5311-5321. <https://doi.org/10.2147/IJN.S109199>
- Kramb, Jason et al. "Elimination of arsenic-containing emissions from gasification of chromated copper arsenate wood". *Fuel*. 2016, 181. 319-324. <https://doi.org/10.1016/j.fuel.2016.04.109>
- Zhou, Quan et al. "Controlling the motion of multiple objects on a Chladni plate". *Nature Communications*. 2016. 7. <https://doi.org/10.1038/ncomms12764>
- Robison, Aaron D. et al. "Polyarginine Interacts More Strongly and Cooperatively than Polylysine with Phospholipid Bilayers". *Journal of Physical Chemistry Part B*. 2016, 120(35). 9287-9296. <https://doi.org/10.1021/acs.jpcc.6b05604>
- Pilehrood, Mohammad Kazemi et al. "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*. 2016, 16(9). 9000-9007. <https://doi.org/10.1166/jnn.2016.12740>
- Mylläri, Ville et al. "Detergent impurity effect on recycled HDPE: Properties after repetitive processing". *Journal of Applied Polymer Science*. 2016. 133(31). <https://doi.org/10.1002/app.43766>
- Garifullin, Marsel et al. "Buckling Behavior of Cold-Formed Studs with Thermal Perforations". *MATEC Web of Conferences*. 2016. 73. <https://doi.org/10.1051/mateconf/20167304011>
- Kapgate, Bharat P. et al. "Reinforced chloroprene rubber by in situ generated silica particles: Evidence of bound rubber on the silica surface". *Journal of Applied Polymer Science*. 2016. 133(30). <https://doi.org/10.1002/app.43717>

- Luna, E. et al. "Spontaneous formation of three-dimensionally ordered Bi-rich nanostructures within GaAs_{1-x}Bi_x/GaAs quantum wells". *Nanotechnology*. 2016. 27(32). <https://doi.org/10.1088/0957-4484/27/32/325603>
- Kärkkäinen, M. et al. "The Influence of Phosphorus Exposure on a Natural-Gas-Oxidation Catalyst". *Topics in Catalysis*. 2016, 59(10-12). 1044-1048. <https://doi.org/10.1007/s11244-016-0587-x>
- Poutanen, Mikko, Olli Ikkala, and Arri Priimägi. "Structurally Controlled Dynamics in Azobenzene-Based Supramolecular Self-Assemblies in Solid State". *Macromolecules*. 2016, 49(11). 4095-4101. <https://doi.org/10.1021/acs.macromol.6b00562>
- Isotahdon, Elisa, Elina Huttunen-Saarivirta, and Veli-Tapani Kuokkala. "Development of Magnetic Losses During Accelerated Corrosion Tests for Nd-Fe-B Magnets Used in Permanent Magnet Generators". *Corrosion*. 2016, 72(6). 732-741. <https://doi.org/10.5006/2037>
- Razavi, Alireza, Mikko Valkama, and Elena Simona Lohan. "Robust statistical approaches for RSS-based floor detection in indoor localization". *Sensors*. 2016. 16(6). <https://doi.org/10.3390/s16060793>
- Sharma, Ramakant, Sagar Bhalerao and Dipti Gupta. "Effect of incorporation of CdS NPs on performance of PTB7: PCBM organic solar cells". *Organic Electronics: physics, materials, applications*. 2016, 33. 274-280. <https://doi.org/10.1016/j.orgel.2016.03.030>
- Soto, Ana M. et al. "Optical Projection Tomography Technique for Image Texture and Mass Transport Studies in Hydrogels Based on Gellan Gum". *Langmuir*. 2016, 32(20). 5173-5182. <https://doi.org/10.1021/acs.langmuir.6b00554>
- La Rosa, Carmelo et al. "Lipid-assisted protein transport: A diffusion-reaction model supported by kinetic experiments and molecular dynamics simulations". *Journal of Chemical Physics*. 2016. 144(18). <https://doi.org/10.1063/1.4948323>
- Hakola, Hanna et al. "Effect of Hole Transporting Material on Charge Transfer Processes in Zinc Phthalocyanine Sensitized ZnO Nanorods". *Journal of Physical Chemistry C*. 2016, 120(13). 7044-7051. <https://doi.org/10.1021/acs.jpcc.6b01583>
- Janka, Leo et al. "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*. 2016, 291. 444-451. <https://doi.org/10.1016/j.surfcoat.2016.02.066>
- Fernandez-Palacio, Francisco et al. "Coordination networks incorporating halogen-bond donor sites and azobenzene groups". *CrystEngComm*. 2016, 18(13). 2251-2257. <https://doi.org/10.1039/c6ce00059b>
- Isakov, M. et al. "Strain rate change tests with the Split Hopkinson Bar method". *European Physical Journal. Special Topics*. 2016, 225(2). 231-242. <https://doi.org/10.1140/epjst/e2015-99999-x>
- Ma, Li et al. "DFT simulations and microkinetic modelling of 1-pentyne hydrogenation on Cu₂₀ model catalysts". *Journal of Molecular Graphics and Modelling*. 2016, 65. 61-70. <https://doi.org/10.1016/j.jmgm.2016.02.007>
- Viljanen, Jan, Zhiwei Sun and Zeyad T. Alwahabi. "Microwave assisted laser-induced breakdown spectroscopy at ambient conditions". *Spectrochimica Acta Part B: Atomic Spectroscopy*. 2016, 118. 29-36. <https://doi.org/10.1016/j.sab.2016.02.002>
- Mal, J. et al. "Metal chalcogenide quantum dots: Biotechnological synthesis and applications". *RSC Advances*. 2016, 6(47). 41477-41495. <https://doi.org/10.1039/c6ra08447h>

- Sakuma, Takao et al. "Long-Lived Triplet Excited States of Bent-Shaped Pentacene Dimers by Intramolecular Singlet Fission". *Journal of Physical Chemistry A*. 2016, 120(11). 1867-1875. <https://doi.org/10.1021/acs.jpca.6b00988>
- Katava, Marina et al. "Stability and Function at High Temperature. What Makes a Thermophilic GTPase Different from Its Mesophilic Homologue". *Journal of Physical Chemistry Part B*. 2016, 120(10). 2721-2730. <https://doi.org/10.1021/acs.jpcc.6b00306>
- Szabo, Hilda Marta, Raghida Lepistö and Tuula Tuhkanen. "HPLC-SEC: a new approach to characterise complex wastewater effluents". *International Journal of Environmental Analytical Chemistry*. 2016, 96(3). 257-270. <https://doi.org/10.1080/03067319.2016.1150463>
- Salunke, Jagadish K. et al. "Phenothiazine and carbazole substituted pyrene based electroluminescent organic semiconductors for OLED devices". *Journal of Materials Chemistry C*. 2016, 4(5). 1009-1018. <https://doi.org/10.1039/c5tc03690a>
- Ali-Löytty, Harri et al. "Ambient-Pressure XPS Study of a Ni-Fe Electrocatalyst for the Oxygen Evolution Reaction". *Journal of Physical Chemistry C*. 2016, 120(4). 2247-2253. <https://doi.org/10.1021/acs.jpcc.5b10931>
- Allolio, Christoph et al. "Guanidinium Pairing Facilitates Membrane Translocation". *Journal of Physical Chemistry Part B*. 2016, 120(1). 143-153. <https://doi.org/10.1021/acs.jpcc.5b10404>
- Pirjola, Liisa et al. "Physical and Chemical Characterization of Real-World Particle Number and Mass Emissions from City Buses in Finland". *Environmental Science and Technology*. 2016, 50(1). 294-304. <https://doi.org/10.1021/acs.est.5b04105>
- Rocherullé, J. et al. "Heat capacities of crystalline and glassy lithium metaphosphate up to the transition region". *Journal of Thermal Analysis and Calorimetry*. 2016, 123(1). 401-407. <https://doi.org/10.1007/s10973-015-4938-9>
- Golovanov, Viacheslav, Viktoria Golovanova, and Tapio T. Rantala. "Thermal desorption of molecular oxygen from SnO₂ (110) surface: Insights from first-principles calculations". *Journal of Physics and Chemistry of Solids*. 2016, 89. 15-22. <https://doi.org/10.1016/j.jpcs.2015.10.010>
- Higashino, Tomohiro et al. "Remarkable Dependence of the Final Charge Separation Efficiency on the Donor-Acceptor Interaction in Photoinduced Electron Transfer". *Angewandte Chemie (International Edition)*. 2016, 55(2). 629-633. <https://doi.org/10.1002/anie.201509067>
- Jain, Rohan et al. "Preferential adsorption of Cu in a multi-metal mixture onto biogenic elemental selenium nanoparticles". *Chemical Engineering Journal*. 2016, 284. 917-925. <https://doi.org/10.1016/j.cej.2015.08.144>
- Santos, Fábio M F et al. "A Three-Component Assembly Promoted by Boronic Acids Delivers a Modular Fluorophore Platform (BASHY Dyes)". *Chemistry: A European Journal*. 2016, 22(5). 1631-1637. <https://doi.org/10.1002/chem.201503943>
- Matsuo, Shota et al. "The electrooxidation-induced structural changes of gold di-superatomic molecules: Au₂₃ vs. Au₂₅". *Physical Chemistry Chemical Physics*. 2016, 18(6). 4822-4827. <https://doi.org/10.1039/c5cp06969f>
- Kulig, Waldemar et al. "Cholesterol oxidation products and their biological importance". *Chemistry and Physics of Lipids*. 2016, 199. 144-160. <https://doi.org/10.1016/j.chemphyslip.2016.03.001>
- Kato, Daiki et al. "High-Yield Excited Triplet States in Pentacene Self-Assembled Monolayers on Gold Nanoparticles through Singlet Exciton Fission". *Angewandte Chemie (International Edition)*. 2016, 55(17). 5230-5234. <https://doi.org/10.1002/anie.201601421>

- Cavallo, Gabriella et al. "Superfluorinated Ionic Liquid Crystals Based on Supramolecular, Halogen-Bonded Anions". *Angewandte Chemie (International Edition)*. 2016, 55(21). 6300-6304. <https://doi.org/10.1002/anie.201601278>
- Bansod, Naresh D. et al. "Compatibilization of natural rubber/nitrile rubber blends by sol-gel nano-silica generated by in situ method". *JOURNAL OF SOL-GEL SCIENCE AND TECHNOLOGY*. 2016, 80(2). 548-559. <https://doi.org/10.1007/s10971-016-4114-0>
- Horinouchi, Haruki et al. "Controllable Electronic Structures and Photoinduced Processes of Bay-Linked Perylenediimide Dimers and a Ferrocene-Linked Triad". *Chemistry: A European Journal*. 2016, 22(28). 9631-9641. <https://doi.org/10.1002/chem.201601058>
- Basu, Debdipta et al. "Fire-safe and environmentally friendly nanocomposites based on layered double hydroxides and ethylene propylene diene elastomer". *RSC Advances*. 2016, 6(31). 26425-26436. <https://doi.org/10.1039/c5ra27444c>
- Lee, Tae Yong et al. "Alginate microgels created by selective coalescence between core drops paired with an ultrathin shell". *Journal of Materials Chemistry B*. 2016, 4(19). 3232-3238. <https://doi.org/10.1039/c6tb00580b>
- Halder, Arjun et al. "Decoding the Morphological Diversity in Two Dimensional Crystalline Porous Polymers by Core Planarity Modulation". *Angewandte Chemie (International Edition)*. 2016, 55(27). 7806-7810. <https://doi.org/10.1002/anie.201600087>
- Akamatsu, Norihisa et al. "Photoresponsive liquid-crystalline polymer films bilayered with an inverse opal structure". *JOURNAL OF PHOTOPOLYMER SCIENCE AND TECHNOLOGY*. 2016, 29(1). 145-148. <https://doi.org/10.2494/photopolymer.29.145>
- Kattiparambil Rajan, Dhanesh et al. "Optical non-contact pH measurement in cell culture with sterilizable, modular parts". *Talanta*. 2016, 161. 755-761. <https://doi.org/10.1016/j.talanta.2016.09.021>
- Kastinen, T. et al. "On describing the optoelectronic characteristics of poly(benzodithiophene-: Co -quinoxaline)-fullerene complexes: The influence of optimally tuned density functionals". *Physical Chemistry Chemical Physics*. 2016, 18(39). 27654-27670. <https://doi.org/10.1039/c6cp04567g>
- Spataru, Ana et al. "Enhanced adsorption of orthophosphate and copper onto hydrochar derived from sewage sludge by KOH activation". *RSC Advances*. 2016, 6(104). 101827-101834. <https://doi.org/10.1039/c6ra22327c>
- Perumbilavil, Sreekanth et al. "Nonlinear transmittance and optical power limiting in magnesium ferrite nanoparticles: effects of laser pulsewidth and particle size". *RSC Advances*. 2016, 6(108). 106754-106761. <https://doi.org/10.1039/c6ra15788b>
- Dhieb, A. C. et al. "Synthesis, crystal structure, physico-chemical characterization and dielectric properties of a new hybrid material, 1-Ethylpiperazine-1,4-dium tetrachlorocadmate". *Journal of Molecular Structure*. 2015, 1102. 50-56. <https://doi.org/10.1016/j.molstruc.2015.08.044>
- Alanen, Jenni et al. "The formation and physical properties of the particle emissions from a natural gas engine". *Fuel*. 2015, 162. 155-161. <https://doi.org/10.1016/j.fuel.2015.09.003>
- Mäki, A. J. et al. "Modeling carbon dioxide transport in PDMS-based microfluidic cell culture devices". *Chemical Engineering Science*. 2015, 137. 515-524. <https://doi.org/10.1016/j.ces.2015.06.065>
- Ihalainen, Teemu O. et al. "Differential basal-to-apical accessibility of lamin A/C epitopes in the nuclear lamina regulated by changes in cytoskeletal tension". *Nature Materials*. 2015, 14(12). 1252-1261. <https://doi.org/10.1038/nmat4389>

- Kaouk, A. et al. "Graphene-intercalated Fe₂O₃/TiO₂ heterojunctions for efficient photoelectrolysis of water". *RSC Advances*. 2015, 5(123). 101401-101407. <https://doi.org/10.1039/c5ra18330h>
- Seo, Jung Yoon et al. "Tri-functionality of Fe₃O₄-embedded carbon microparticles in microalgae harvesting". *Chemical Engineering Journal*. 2015, 280. 206-214. <https://doi.org/10.1016/j.cej.2015.05.122>
- Le, H. H. et al. "Effect of rubber polarity on selective wetting of carbon nanotubes in ternary blends". *Express Polymer Letters*. 2015, 9(11). 960-971. <https://doi.org/10.3144/expresspolymlett.2015.87>
- Zorzi, Giovanni K. et al. "Comparison of different cationized proteins as biomaterials for nanoparticle-based ocular gene delivery". *Colloids and Surfaces B: Biointerfaces*. 2015, 135. 533-541. <https://doi.org/10.1016/j.colsurfb.2015.08.008>
- Vapaavuori, Jaana et al. "Submolecular Plasticization Induced by Photons in Azobenzene Materials". *Journal of the American Chemical Society*. 2015, 137(42). 13510-13517. <https://doi.org/10.1021/jacs.5b06611>
- Vapaavuori, Jaana et al. "Photomechanical Energy Transfer to Photopassive Polymers through Hydrogen and Halogen Bonds". *Macromolecules*. 2015, 48(20). 7535-7542. <https://doi.org/10.1021/acs.macromol.5b01813>
- Vapaavuori, Jaana et al. "In Situ Photocontrol of Block Copolymer Morphology during Dip-Coating of Thin Films". *ACS Macro Letters*. 2015, 4(10). 1158-1162. <https://doi.org/10.1021/acsmacrolett.5b00483>
- Mylläri, Ville et al. "Production of sulfonated polyetheretherketone/polypropylene fibers for photoactive textiles". *Journal of Applied Polymer Science*. 2015. 132(39). <https://doi.org/10.1002/app.42595>
- Moradi, Mahmoud, Giray Enkavi and Emad Tajkhorshid. "Atomic-level characterization of transport cycle thermodynamics in the glycerol-3-phosphate: Phosphate antiporter". *Nature Communications*. 2015. 6. <https://doi.org/10.1038/ncomms9393>
- Orlowski, Adam et al. "PIP2 and Talin Join Forces to Activate Integrin". *Journal of Physical Chemistry Part B*. 2015, 119(38). 12381-12389. <https://doi.org/10.1021/acs.jpcc.5b06457>
- Bhagavatheswaran, Eshwaran Subramani et al. "Construction of an Interconnected Nanostructured Carbon Black Network: Development of Highly Stretchable and Robust Elastomeric Conductors". *Journal of Physical Chemistry C*. 2015, 119(37). 21723-21731. <https://doi.org/10.1021/acs.jpcc.5b06629>
- Milanti, A. et al. "Effect of spraying parameters on the microstructural and corrosion properties of HVAF-sprayed Fe-Cr-Ni-B-C coatings". *Surface and Coatings Technology*. 2015, 277. 81-90. <https://doi.org/10.1016/j.surfcoat.2015.07.018>
- Goh, Jing Qiang and Jaakko Akola. "Superatom Model for Ag-S Nanocluster with Delocalized Electrons". *Journal of Physical Chemistry C*. 2015, 119(36). 21165-21172. <https://doi.org/10.1021/acs.jpcc.5b05824>
- Ter Schiphorst, Jeroen et al. "Molecular Design of Light-Responsive Hydrogels, for in Situ Generation of Fast and Reversible Valves for Microfluidic Applications". *Chemistry of Materials*. 2015, 27(17). 5925-5931. <https://doi.org/10.1021/acs.chemmater.5b01860>
- Frankberg, Erkkä J. et al. "Measuring synthesis yield in graphene oxide synthesis by modified hummers method". *Fullerenes Nanotubes and Carbon Nanostructures*. 2015, 23(9). 755-759. <https://doi.org/10.1080/1536383X.2014.993754>
- Tukiainen, Antti et al. "Unintentional boron contamination of MBE-grown GaInP/AlGaInP quantum wells". *Journal of Crystal Growth*. 2015, 425. 60-63. <https://doi.org/10.1016/j.jcrysgro.2015.02.048>

- Bajamundi, Cyril Jose E et al. "Searching for a robust strategy for minimizing alkali chlorides in fluidized bed boilers during burning of high SRF-energy-share fuel". *Fuel*. 2015, 155. 25-36. <https://doi.org/10.1016/j.fuel.2015.03.087>
- Yang, Yubo et al. "How large are nonadiabatic effects in atomic and diatomic systems?". *Journal of Chemical Physics*. 2015. 143(12). <https://doi.org/10.1063/1.4931667>
- Barreca, Davide et al. "Fe₂O₃-TiO₂ nanosystems by a hybrid PE-CVD/ALD approach: controllable synthesis, growth mechanism, and photocatalytic properties". *CrystEngComm*. 2015, 17(32). 6219-6226. <https://doi.org/10.1039/c5ce00883b>
- Mäkelä, J. et al. "Effects of thinning and heating for TiO₂/AlInP junctions". *Journal of Electron Spectroscopy and Related Phenomena*. 2015, 205. 6-9. <https://doi.org/10.1016/j.elspec.2015.08.004>
- Lepcha, A. et al. "Electrospun Black Titania Nanofibers: Influence of Hydrogen Plasma-Induced Disorder on the Electronic Structure and Photoelectrochemical Performance". *Journal of Physical Chemistry C*. 2015, 119(33). 18835-18842. <https://doi.org/10.1021/acs.jpcc.5b02767>
- Levin, Marcus et al. "Influence of relative humidity and physical load during storage on dustiness of inorganic nanomaterials: implications for testing and risk assessment". *Journal of Nanoparticle Research*. 2015. 17(8). <https://doi.org/10.1007/s11051-015-3139-6>
- Kwalek, Urszula et al. "Effect of Phosphatidic Acid on Biomembrane: Experimental and Molecular Dynamics Simulations Study". *Journal of Physical Chemistry Part B*. 2015, 119(31). 10042-10051. <https://doi.org/10.1021/acs.jpcc.5b03604>
- Le, H. H. et al. "Formation and stability of carbon nanotube network in natural rubber: Effect of non-rubber components". *Polymer*. 2015, 73. 111-121. <https://doi.org/10.1016/j.polymer.2015.07.044>
- Stumpel, Jelle E. "Responsive Polymer Photonics". *Chemistryopen*. 2015, 4(4). 533-535. <https://doi.org/10.1002/open.201500104>
- Timr, Štěpán et al. "Nonlinear Optical Properties of Fluorescent Dyes Allow for Accurate Determination of Their Molecular Orientations in Phospholipid Membranes". *Journal of Physical Chemistry Part B*. 2015, 119(30). 9706-9716. <https://doi.org/10.1021/acs.jpcc.5b05123>
- Rasappa, Sozaraj et al. "High quality sub-10 nm graphene nanoribbons by on-chip PS-b-PDMS block copolymer lithography". *RSC Advances*. 2015, 5(82). 66711-66717. <https://doi.org/10.1039/c5ra11735f>
- Bodrova, Anna et al. "Quantifying non-ergodic dynamics of force-free granular gases". *Physical Chemistry Chemical Physics*. 2015, 17(34). 21791-21798. <https://doi.org/10.1039/c5cp02824h>
- Virkki, Kirsi et al. "Photoinduced Electron Transfer in CdSe/ZnS Quantum Dot-Fullerene Hybrids". *Journal of Physical Chemistry C*. 2015, 119(31). 17561-17572. <https://doi.org/10.1021/acs.jpcc.5b04251>
- Rahaman, Obaidur et al. "Role of Internal Water on Protein Thermal Stability: The Case of Homologous G Domains". *Journal of Physical Chemistry Part B*. 2015, 119(29). 8939-8949. <https://doi.org/10.1021/jp507571u>
- Çetinkaya, Afşin Y. et al. "Electricity production by a microbial fuel cell fueled by brewery wastewater and the factors in its membrane deterioration". *Chinese Journal of Catalysis*. 2015, 36(7). 1068-1076. [https://doi.org/10.1016/S1872-2067\(15\)60833-6](https://doi.org/10.1016/S1872-2067(15)60833-6)
- Hakkarainen, T. V. et al. "Lithography-free oxide patterns as templates for self-catalyzed growth of highly uniform GaAs nanowires on Si(111)". *Nanotechnology*. 2015. 26(27). <https://doi.org/10.1088/0957-4484/26/27/275301>

Isoniemi, Tommi et al. "Measuring optical anisotropy in poly(3,4-ethylene dioxithiophene): poly(styrene sulfonate) films with added graphene". *Organic Electronics*. 2015, 25. 317-323. <https://doi.org/10.1016/j.orgel.2015.06.037>, <https://doi.org/10.1016/j.orgel.2015.06.037>

Ahmed, Zafar et al. "Synthesis and study of electrochemical and optical properties of substituted perylenemonoimides in solutions and on solid surfaces". *Journal of Materials Chemistry A*. 2015, 3(25). 13332-13339. <https://doi.org/10.1039/c5ta02241j>

Sanginés, R. et al. "Optimal emission enhancement in orthogonal double-pulse laser-induced breakdown spectroscopy". *Spectrochimica Acta Part B: Atomic Spectroscopy*. 2015, 110. 139-145. <https://doi.org/10.1016/j.sab.2015.06.012>

Mylläri, Ville, Tero-Petri Ruoko, and Seppo Syrjälä. "A comparison of rheology and FTIR in the study of polypropylene and polystyrene photodegradation". *Journal of Applied Polymer Science*. 2015. 132(28). <https://doi.org/10.1002/app.42246>

Zorzi, Giovanni K. et al. "On the biomaterials for nanostructured ocular therapeutics". *Current Organic Chemistry*. 2015, 19(15). 1443-1459.

Abou-Chahine, Fawzi et al. "Synthesis and Photophysical Properties of Two Diazaporphyrin-Porphyrin Hetero Dimers in Polar and Nonpolar Solutions". *Journal of Physical Chemistry Part B*. 2015, 119(24). 7328-7337. <https://doi.org/10.1021/jp510903a>

Perander, M. et al. "Catalytic effect of Ca and K on CO₂ gasification of spruce wood char". *Fuel*. 2015, 150. 464-472. <https://doi.org/10.1016/j.fuel.2015.02.062>

De Carvalho, Sidney J., Ralf Metzler and Andrey G. Cherstvy. "Inverted critical adsorption of polyelectrolytes in confinement". *Soft Matter*. 2015, 11(22). 4430-4443. <https://doi.org/10.1039/c5sm00635j>

Dzieciuch, Monika et al. "PEGylated liposomes as carriers of hydrophobic porphyrins". *Journal of Physical Chemistry Part B*. 2015, 119(22). 6646-6657. <https://doi.org/10.1021/acs.jpcc.5b01351>

Manea, Liliana Rozemarie et al. "Equipment for obtaining polymeric nanofibres by electrospinning technology: II. The obtaining of polymeric nanofibers". *Materiale Plastice*. 2015, 52(2). 180-185.

He, Xiaoyan et al. "Polymorph crystal packing effects on charge transfer emission in the solid state". *Chemical Science*. 2015, 6(6). 3525-3532. <https://doi.org/10.1039/c5sc01151e>

Mordon, Serge and Geneviève Bourg-Heckly. "Photodiagnostic et chirurgie guidés par la fluorescence". *ACTUALITE CHIMIQUE*. 2015, (397-398). 41-45.

Borah, Dipu et al. "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*. 2015, 25(22). 3425-3432. <https://doi.org/10.1002/adfm.201500100>

Frochot, Céline et al. "La thérapie photodynamique: État de l'art et perspectives". *ACTUALITE CHIMIQUE*. 2015, (397-398). 46-50.

McManamon, Colm et al. "A facile route to synthesis of S-doped TiO₂ nanoparticles for photocatalytic activity". *Journal of Molecular Catalysis A: Chemical*. 2015, 406. 51-57. <https://doi.org/10.1016/j.molcata.2015.05.002>

Hladílková, Jana et al. "Hydration of hydroxyl and amino groups examined by molecular dynamics and neutron scattering". *Journal of Physical Chemistry Part B*. 2015, 119(21). 6357-6365. <https://doi.org/10.1021/jp510528u>

Kuz'min, V. A. et al. "Spectral and kinetic characteristics of indotricarbocyanine complexation with albumin". *DOKLADY PHYSICAL CHEMISTRY*. 2015, 462(1). 107-109. <https://doi.org/10.1134/S0012501615050036>

Song, Xuemei et al. "Effect of melting state on the thermal shock resistance and thermal conductivity of APS ZrO₂-7.5wt.% Y₂O₃ coatings". *Surface and Coatings Technology*. 2015, 270. 132-138. <https://doi.org/10.1016/j.surfcoat.2015.03.011>

Pluhařová, Eva, Petr Slaviček and Pavel Jungwirth. "Modeling photoionization of aqueous DNA and its components". *Accounts of Chemical Research*. 2015, 48(5). 1209-1217. <https://doi.org/10.1021/ar500366z>

Liang, Yanhua et al. "Multistep reactions of water with small Pd_n clusters: A first principles study". *Journal of Theoretical and Computational Chemistry*. 2015. 14(3). <https://doi.org/10.1142/S0219633615500170>

Kuzmin, V. A. et al. "Energy degradation in photoexcited complexes of indocarbocyanine with albumin". *HIGH ENERGY CHEMISTRY*. 2015, 49(3). 211-212. <https://doi.org/10.1134/S0018143915030108>

Cherstvy, Andrey G. and Ralf Metzler. "Ergodicity breaking and particle spreading in noisy heterogeneous diffusion processes". *Journal of Chemical Physics*. 2015. 142(14). <https://doi.org/10.1063/1.4917077>

Koivisto, Antti J. et al. "Workplace performance of a loose-fitting powered air purifying respirator during nanoparticle synthesis". *Journal of Nanoparticle Research*. 2015. 17(4). <https://doi.org/10.1007/s11051-015-2990-9>

Sorvajärvi, Tapio et al. "Rate constant and thermochemistry for K + O₂ + N₂ = KO₂ + N₂". *Journal of Physical Chemistry A*. 2015, 119(14). 3329-3336. <https://doi.org/10.1021/acs.jpca.5b00755>

Karilainen, Topi et al. "Oxidation of cholesterol does not alter significantly its uptake into high-density lipoprotein particles". *Journal of Physical Chemistry Part B*. 2015, 119(13). 4594-4600. <https://doi.org/10.1021/acs.jpccb.5b00240>

Saarikoski, Eve, Marja Rissanen and Jukka Seppälä. "Effect of rheological properties of dissolved cellulose/microfibrillated cellulose blend suspensions on film forming". *Carbohydrate Polymers*. 2015, 119. 62-70. <https://doi.org/10.1016/j.carbpol.2014.11.033>

Pirjola, Liisa et al. "Effects of fresh lubricant oils on particle emissions emitted by a modern gasoline direct injection passenger car". *Environmental Science and Technology*. 2015, 49(6). 3644-3652. <https://doi.org/10.1021/es505109u>

Bolelli, G. et al. "Tribology of HVOF- and HVOF-sprayed WC-10Co4Cr hardmetal coatings: A comparative assessment". *Surface and Coatings Technology*. 2015, 265. 125-144. <https://doi.org/10.1016/j.surfcoat.2015.01.048>

Varis, T. et al. "High temperature corrosion of thermally sprayed NiCr and FeCr coatings covered with a KCl-K₂SO₄ salt mixture". *Surface and Coatings Technology*. 2015, 265. 235-243. <https://doi.org/10.1016/j.surfcoat.2014.11.012>

Tuominen, Marjukka et al. "Oxidation of the GaAs semiconductor at the Al₂O₃/GaAs junction". *Physical Chemistry Chemical Physics*. 2015, 17(10). 7060-7066. <https://doi.org/10.1039/c4cp05972g>

Ma, Li et al. "CO oxidation catalyzed by neutral and anionic Cu₂₀ clusters: Relationship between charge and activity". *Physical Chemistry Chemical Physics*. 2015, 17(10). 7067-7076. <https://doi.org/10.1039/c5cp00365b>

Figueira, João et al. "Synthesis, characterization and solid-state photoluminescence studies of six alkoxy phenylene ethynylene dinuclear palladium(II) rods". *DALTON TRANSACTIONS*. 2015, 44(9). 4003-4015. <https://doi.org/10.1039/c4dt00493k>

Lolicato, Fabio et al. "Resveratrol interferes with the aggregation of membrane-bound human-IAPP: A molecular dynamics study". *European Journal of Medicinal Chemistry*. 2015, 92. 876-881. <https://doi.org/10.1016/j.ejmech.2015.01.047>

Wecharine, Intissar et al. "Crystal structure of 2-methylpiperazine-1,4-dium bis(hydrogen maleate)". *Acta Crystallographica Section E: Structure Reports Online*. 2015, 71(3). o193-o194. <https://doi.org/10.1107/S2056989015003102>

Eshwaran, Subramani Bhagavatheswaran et al. "Exploring the role of stearic acid in modified zinc aluminum layered double hydroxides and their acrylonitrile butadiene rubber nanocomposites". *Journal of Applied Polymer Science*. 2015. 132(9). <https://doi.org/10.1002/app.41539>

Shin, Jaeoh, Andrey G. Cherstvy and Ralf Metzler. "Polymer looping is controlled by macromolecular crowding, spatial confinement, and chain stiffness". *ACS Macro Letters*. 2015, 4(2). 202-206. <https://doi.org/10.1021/mz500709w>

Ray, Santanu et al. "Neutralized chimeric avidin binding at a reference biosensor surface". *Langmuir*. 2015, 31(6). 1921-1930. <https://doi.org/10.1021/la503213f>

Beyeh, N. K. et al. "Encapsulation of secondary and tertiary ammonium salts by resorcinarenes and pyrogallarenes: The effect of size and charge concentration". *CrystEngComm*. 2015, 17(5). 1182-1188. <https://doi.org/10.1039/c4ce01927j>

Bautista, Godofredo et al. "Second-harmonic generation imaging of semiconductor nanowires with focused vector beams". *Nano Letters*. 2015, 15(3). 1564-1569. <https://doi.org/10.1021/nl503984b>

Fatarelle, Enrico et al. "Sulfonated polyetheretherketone/polypropylene polymer blends for the production of photoactive materials". *Journal of Applied Polymer Science*. 2015. 132(8). <https://doi.org/10.1002/app.41509>

Saccone, Marco et al. "Supramolecular hierarchy among halogen and hydrogen bond donors in light-induced surface patterning". *Journal of Materials Chemistry C*. 2015, 3. 759-768. <https://doi.org/10.1039/c4tc02315c>

Goh, Jing-Qiang et al. "Silver sulfide nanoclusters and the superatom model". *Journal of Physical Chemistry C*. 2015, 119(3). 1583-1590. <https://doi.org/10.1021/jp511037x>

Shin, Jaeoh, Andrey G. Cherstvy and Ralf Metzler. "Kinetics of polymer looping with macromolecular crowding: Effects of volume fraction and crowder size". *Soft Matter*. 2015, 11(3). 472-488. <https://doi.org/10.1039/c4sm02007c>

Ghosh, Surya K., Andrey G. Cherstvy and Ralf Metzler. "Non-universal tracer diffusion in crowded media of non-inert obstacles". *Physical Chemistry Chemical Physics*. 2015, 17(3). 1847-1858. <https://doi.org/10.1039/c4cp03599b>

Li, Zhuo et al. "Rational design of a printable, highly conductive silicone-based electrically conductive adhesive for stretchable radio-frequency antennas". *Advanced Functional Materials*. 2015, 25(3). 464-470. <https://doi.org/10.1002/adfm.201403275>

Czaplicki, R. et al. "Second-Harmonic Generation from Metal Nanoparticles: Resonance Enhancement versus Particle Geometry". *Nano Letters*. 2015, 15(1). 530-534. <https://doi.org/10.1021/nl503901e>

Schroeder, Christi A. et al. "Oxidation half-reaction of aqueous nucleosides and nucleotides via photoelectron spectroscopy augmented by ab initio calculations". *Journal of the American Chemical Society*. 2015, 137(1). 201-209. <https://doi.org/10.1021/ja508149e>

Khan, Musammir et al. "Manipulation of polycarbonate urethane bulk properties via incorporated zwitterionic polynorborene for tissue engineering application". *RSC Advances*. 2015, 5(15). 11284-11292. <https://doi.org/10.1039/C4RA14608E>

Reeta, P. Silviya et al. "Photophysical properties of Sn (IV)tetraphenylporphyrin-pyrene dyad with a β -vinyl linker". *Journal of Porphyrins and Phthalocyanines*. 2015, 19(1-3). 288-300. <https://doi.org/10.1142/S1088424615500108>

Yi, H. et al. "Perfluoro-1,1'-biphenyl and perfluoronaphthalene and their derivatives as π -acceptors for anions". *New Journal of Chemistry*. 2015, 39(1). 746-749. <https://doi.org/10.1039/c4nj01654h>

Mettänen, Marja and Ulrich Hirn. "A comparison of five optical surface topography measurement methods". *TAPPI Journal*. 2015, 14(1). 27-38.

Hukka, Jarmo J. and Tapio S. Katko. "Appropriate pricing policy needed worldwide for improving water services infrastructure". *Journal American Water Works Association*. 2015, 107(1). E37-E46. <https://doi.org/10.5942/jawwa.2015.107.0007>

Nazir, Rashid et al. " π -Expanded α,β -unsaturated ketones: Synthesis, optical properties, and two-photon-induced polymerization". *ChemPhysChem*. 2015, 16(3). 682–690. <https://doi.org/10.1002/cphc.201402646>

Pelado, Beatriz et al. "Role of the bridge in photoinduced electron transfer in porphyrin-fullerene dyads". *Chemistry: A European Journal*. 2015, 21(15). 5814-5825. <https://doi.org/10.1002/chem.201406514>

Molnar, W. et al. "Ballistic and numerical simulation of impacting goods on conveyor belt rubber". *Polymer Testing*. 2015, 42. 1-7. <https://doi.org/10.1016/j.polymertesting.2014.12.001>

Stasyuk, Anton J. et al. "Synthesis of fluorescent naphthoquinolizines via intramolecular houben-hoesch reaction". *Chemistry - An Asian Journal*. 2015, 10(3). 553-558. <https://doi.org/10.1002/asia.201403339>

Wacharine, Intissar et al. "Synthesis, crystal structure, spectral, dielectric characteristics and conduction mechanism of two novel carboxylates of 1-benzhydrylpiperazine". *Monatshefte fur Chemie*. 2015, 146(12). 2007-2020. <https://doi.org/10.1007/s00706-015-1553-1>

Di Capua, Francesco et al. "Chemolithotrophic denitrification in biofilm reactors". *Chemical Engineering Journal*. 2015, 280. 643-657. <https://doi.org/10.1016/j.cej.2015.05.131>

Karilainen, Topi et al. "Van der Waals interactions are critical in Car-Parrinello molecular dynamics simulations of porphyrin-fullerene dyads". *Journal of Computational Chemistry*. 2015, 36(9). 612-621. <https://doi.org/10.1002/jcc.23834>

Kamppuri, Taina et al. "Characterisation of novel regenerated cellulosic, viscose, and cotton fibres and the dyeing properties of fabrics". *Coloration Technology*. 2015, 131(5). 396-402. <https://doi.org/10.1111/cote.12163>

Mardoukhi, Yousof, Jae-Hyung Jeon and Ralf Metzler. "Geometry controlled anomalous diffusion in random fractal geometries: Looking beyond the infinite cluster". *Physical Chemistry Chemical Physics*. 2015, 17(44). 30134-30147. <https://doi.org/10.1039/c5cp03548a>

Stumpel, Jelle E. et al. "Stimuli-Responsive Materials Based on Interpenetrating Polymer Liquid Crystal Hydrogels". *Advanced Functional Materials*. 2015, 25(22). 3314–3320. <https://doi.org/10.1002/adfm.201500745>

Stumpel, J. E., D. J. Broer and A. P H J Schenning. "Water-responsive dual-coloured photonic polymer coatings based on cholesteric liquid crystals". *RSC Advances*. 2015, 5(115). 94650-94653. <https://doi.org/10.1039/c5ra18017a>

Mason, Philip E. et al. "Coulomb explosion during the early stages of the reaction of alkali metals with water". *Nature Chemistry*. 2015, 7(3). 250-254. <https://doi.org/10.1038/nchem.2161>

Borah, Dipu et al. "Block co-polymers for nanolithography: Rapid microwave annealing for pattern formation on substrates". *Polymers*. 2015, 7(4). 592-609. <https://doi.org/10.3390/polym7040592>

Taskinen, Barbara et al. "Switchavidin: Reversible biotin-avidin-biotin bridges with high affinity and specificity". *Bioconjugate Chemistry*. 2014, 25(12). 2233-2243. <https://doi.org/10.1021/bc500462w>

Palivec, Vladimír et al. "DNA lesion can facilitate base ionization: Vertical ionization energies of aqueous 8-oxoguanine and its nucleoside and nucleotide". *Journal of Physical Chemistry Part B*. 2014, 118(48). 13833-13837. <https://doi.org/10.1021/jp5111086>

Lemmettyinen, Helge et al. "Time-resolved fluorescence methods (IUPAC technical report)". *Pure and Applied Chemistry*. 2014, 86(12). 1969-1998. <https://doi.org/10.1515/pac-2013-0912>

Tawade, Bhausaheb V. et al. "Processable aromatic polyesters based on bisphenol derived from cashew nut shell liquid: synthesis and characterization". *JOURNAL OF POLYMER RESEARCH*. 2014, 21(12). <https://doi.org/10.1007/s10965-014-0617-y>

Mohanty, Aruna Kumar et al. "Electromagnetic interference shielding effectiveness of MWCNT filled poly(ether sulfone) and poly(ether imide) nanocomposites". *Polymer Engineering and Science*. 2014, 54(11). 2560-2570. <https://doi.org/10.1002/pen.23804>

Wang, Xin et al. "A supramolecular approach to photoresponsive thermo/solvoplastic block copolymer elastomers". *Macromolecules*. 2014, 47(20). 7099-7108. <https://doi.org/10.1021/ma501278b>

Amanatidis, Stavros et al. "Impact of selective catalytic reduction on exhaust particle formation over excess ammonia events". *Environmental Science and Technology*. 2014, 48(19). 11527-11534. <https://doi.org/10.1021/es502895v>

Deng, Yang et al. "Global analysis of human nonreceptor tyrosine kinase specificity using high-density peptide microarrays". *Journal of Proteome Research*. 2014, 13(10). 4339-4346. <https://doi.org/10.1021/pr500503q>

Rasappa, Sozaraj et al. "Rapid, Brushless Self-assembly of a PS-b-PDMS Block Copolymer for Nanolithography". *Colloids and Interface Science Communications*. 2014, 2. 1-5. <https://doi.org/10.1016/j.colcom.2014.07.001>

Goulet-Hanssens, Alexis et al. "Effect of head group size on the photoswitching applications of azobenzene Disperse Red 1 analogues". *Journal of Materials Chemistry C*. 2014, 2(36). 7505-7512. <https://doi.org/10.1039/c4tc00996g>

Salunke, Jagadish K. et al. "Pyrene based conjugated materials: Synthesis, characterization and electroluminescent properties". *Physical Chemistry Chemical Physics*. 2014, 16(42). 23320-23328. <https://doi.org/10.1039/c4cp03693j>

Wang, Jianguang et al. "Density functional theory study of transition metals doped B₈₀ fullerene". *Journal of Theoretical and Computational Chemistry*. 2014, 13(6). <https://doi.org/10.1142/S0219633614500503>

Priimagi, Arri, Christopher J. Barrett and Atsushi Shishido. "Recent twists in photoactuation and photoalignment control". *Journal of Materials Chemistry C*. 2014, 2(35). 7155-7162. <https://doi.org/10.1039/c4tc01236d>

Uhlig, Frank et al. "Optical spectroscopy of the bulk and interfacial hydrated electron from ab initio calculations". *Journal of Physical Chemistry A*. 2014, 118(35). 7507-7515. <https://doi.org/10.1021/jp5004243>

Le, H. H. et al. "The role of linked phospholipids in the rubber-filler interaction in carbon nanotube (CNT) filled natural rubber (NR) composites". *Polymer*. 2014, 55(18). 4738-4747. <https://doi.org/10.1016/j.polymer.2014.07.043>

- Kapgate, Bharat P. et al. "Effect of silane integrated sol-gel derived in situ silica on the properties of nitrile rubber". *Journal of Applied Polymer Science*. 2014. 131(15). <https://doi.org/10.1002/app.40531>
- Kurppa, Katri et al. "Molecular engineering of avidin and hydrophobin for functional self-assembling interfaces". *Colloids and Surfaces B: Biointerfaces*. 2014, 120. 102-109. <https://doi.org/10.1016/j.colsurfb.2014.05.010>
- Oksa, Maria, Tommi Varis and Kimmo Ruusuvuori. "Performance testing of iron based thermally sprayed HVOF coatings in a biomass-fired fluidised bed boiler". *Surface and Coatings Technology*. 2014, 251. 191-200. <https://doi.org/10.1016/j.surfcoat.2014.04.025>
- Kohagen, Miriam, Philip E. Mason and Pavel Jungwirth. "Accurate description of calcium solvation in concentrated aqueous solutions". *Journal of Physical Chemistry Part B*. 2014, 118(28). 7902-7909. <https://doi.org/10.1021/jp5005693>
- Werner, Josephina et al. "Surface behavior of hydrated guanidinium and ammonium ions: A comparative study by photoelectron spectroscopy and molecular dynamics". *Journal of Physical Chemistry Part B*. 2014, 118(25). 7119-7127. <https://doi.org/10.1021/jp500867w>
- Mahmood, Nasir et al. "Carbon nanotubes-filled thermoplastic polyurethane-urea and carboxylated acrylonitrile butadiene rubber blend nanocomposites". *Journal of Applied Polymer Science*. 2014. 131(11). <https://doi.org/10.1002/app.40341>
- Pluhařová, Eva et al. "Hydration of the chloride ion in concentrated aqueous solutions using neutron scattering and molecular dynamics". *Molecular Physics*. 2014, 112(9-10). 1230-1240. <https://doi.org/10.1080/00268976.2013.875231>
- Raghuwanshi, Sanjeev et al. "Bioprocessing of enhanced cellulase production from a mutant of *Trichoderma asperellum* RCK2011 and its application in hydrolysis of cellulose". *Fuel*. 2014, 124. 183-189. <https://doi.org/10.1016/j.fuel.2014.01.107>
- Koskela, Jenni E. et al. "Light-fuelled transport of large dendrimers and proteins". *Journal of the American Chemical Society*. 2014, 136(19). 6850-6853. <https://doi.org/10.1021/ja502623m>
- Kuzmin, Michael G. et al. "Microphase mechanism of "superquenching" of luminescent probes in aqueous solutions of DNA and some other polyelectrolytes". *Journal of Physical Chemistry Part B*. 2014, 118(15). 4245-4252. <https://doi.org/10.1021/jp500713q>
- Hytönen, Vesa P. and Bernhard Wehrle-Haller. "Protein conformation as a regulator of cell-matrix adhesion". *Physical Chemistry Chemical Physics*. 2014, 16(14). 6342-6357. <https://doi.org/10.1039/c3cp54884h>
- Kulig, Waldemar and Noam Agmon. "Deciphering the infrared spectrum of the protonated water pentamer and the hybrid Eigen-Zundel cation". *Physical Chemistry Chemical Physics*. 2014, 16(10). 4933-4941. <https://doi.org/10.1039/c3cp54029d>
- Khan, M. Nuruzzaman and Michael Zharnikov. "Fabrication of ssDNA/oligo(ethylene glycol) monolayers by promoted exchange reaction with thiol and disulfide substituents". *Journal of Physical Chemistry C*. 2014, 118(6). 3093-3101. <https://doi.org/10.1021/jp411353f>
- Priimagi, Arri and Andriy Shevchenko. "Azopolymer-based micro- and nanopatterning for photonic applications". *Journal of Polymer Science. Part B, Polymer Physics*. 2014, 52(3). 163-182. <https://doi.org/10.1002/polb.23390>
- Kulig, Waldemar and Noam Agmon. "Both zundel and eigen isomers contribute to the IR spectrum of the gas-phase H₉O₄ + cluster". *Journal of Physical Chemistry Part B*. 2014, 118(1). 278-286. <https://doi.org/10.1021/jp410446d>

- Oksala, Niku K J et al. "Natural thermal adaptation increases heat shock protein levels and decreases oxidative stress". *REDOX BIOLOGY*. 2014, 3. 25-28. <https://doi.org/10.1016/j.redox.2014.10.003>
- Enkavi, Giray et al. "A microscopic view of the mechanisms of active transport across the cellular membrane". *Annual Reports in Computational Chemistry*. 2014, 10. 77-125. <https://doi.org/10.1016/B978-0-444-63378-1.00004-5>
- Savolainen, Janne et al. "Direct observation of the collapse of the delocalized excess electron in water". *Nature Chemistry*. 2014, 6(8). 697-701. <https://doi.org/10.1038/nchem.1995>
- Wang, Jianguang and Asok K. Ray. "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*. 2014, 11(7). 1710-1717. <https://doi.org/10.1166/jctn.2014.3555>
- Jungwirth, Pavel. "Molekuly a ionty v pohybu: Počítačové simulace biochemických a biofyzikálních procesů". *Chemické Listy*. 2014, 108(4). 278-284.
- Airiskallio, E. et al. "Magnetic origin of the chemical balance in alloyed Fe-Cr stainless steels: First-principles and Ising model study". *Computational Materials Science*. 2014, 92. 135-140. <https://doi.org/10.1016/j.commatsci.2014.05.036>
- Le, Hai Hong et al. "Effect of non-rubber components of NR on the carbon nanotube (CNT) localization in SBR/NR blends". *Macromolecular Materials and Engineering*. 2014, 299(5). 569-582. <https://doi.org/10.1002/mame.201300254>
- Akimova, A. V. et al. "Novel derivatives of bacteriochlorophyll a: Complex formation with albumin and the mechanism of tumor cell photodamage". *DOKLADY BIOCHEMISTRY AND BIOPHYSICS*. 2014, 454(1). 17-20. <https://doi.org/10.1134/S1607672914010062>
- Rasappa, Sozaraj et al. "Fabrication of 3-D nanodimensioned electric double layer capacitor structures using block copolymer templates". *Journal Nanoscience and Nanotechnology*. 2014, 14(7). 5221-5227. <https://doi.org/10.1166/jnn.2014.8668>
- Mokarian-Tabari, Parvaneh et al. "Study of the kinetics and mechanism of rapid self-assembly in block copolymer thin films during solvo-microwave annealing". *Langmuir*. 2014, 30(35). 10728-10739. <https://doi.org/10.1021/la503137q>
- Näreoja, Tuomas et al. "Kinetics of bioconjugate nanoparticle label binding in a sandwich-type immunoassay". *Analytical and Bioanalytical Chemistry*. 2014, 406(2). 493-503. <https://doi.org/10.1007/s00216-013-7474-0>
- Cummins, C. et al. "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*. 2013, 1(47). 7941-7951. <https://doi.org/10.1039/c3tc31498g>
- Häkkinen, Merja R. et al. "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*. 2013, 941. 81-89. <https://doi.org/10.1016/j.jchromb.2013.10.009>
- Le, H. H. et al. "Location of dispersing agent in rubber nanocomposites during mixing process". *Polymer*. 2013, 54(26). 7009-7021. <https://doi.org/10.1016/j.polymer.2013.10.038>
- German, Salvador Jimenez et al. "Proliferation and differentiation of adipose stem cells towards smooth muscle cells on poly(trimethylene carbonate) membranes". *Macromolecular symposia*. 2013, 334(1). 133-142. <https://doi.org/10.1002/masy.201300100>
- Diban, Nazely et al. "Effect of surface morphology of poly(ϵ -caprolactone) scaffolds on adipose stem cell adhesion and proliferation". *Macromolecular symposia*. 2013, 334(1). 126-132. <https://doi.org/10.1002/masy.201300106>

Gebraad, A. W H et al. "Human adipose stem cells in chondrogenic differentiation medium without growth factors differentiate towards annulus fibrosus phenotype in vitro". *Macromolecular symposia*. 2013, 334(1). 49-56. <https://doi.org/10.1002/masy.201300104>

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

Hladilkova, Jana et al. "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*. 2013, 117(46). 14329-14335. <https://doi.org/10.1021/jp409040u>

Pluhařová, Eva, Philip E. Mason and Pavel Jungwirth. "Ion pairing in aqueous lithium salt solutions with monovalent and divalent counter-anions". *Journal of Physical Chemistry A*. 2013, 117(46). 11766-11773. <https://doi.org/10.1021/jp402532e>

Priimagi, Arri et al. "The Halogen Bond in the Design of Functional Supramolecular Materials: Recent Advances". *Accounts of Chemical Research*. 2013, 46(11). 2686-2695. <https://doi.org/10.1021/ar400103r>

Kalimeri, Maria et al. "How conformational flexibility stabilizes the hyperthermophilic elongation factor G-domain". *Journal of Physical Chemistry Part B*. 2013, 117(44). 13775-13785. <https://doi.org/10.1021/jp407078z>

Uhlig, Frank and Pavel Jungwirth. "Embedded cluster models for reactivity of the hydrated electron". *ZEITSCHRIFT FUR PHYSIKALISCHE CHEMIE-INTERNATIONAL JOURNAL OF RESEARCH IN PHYSICAL CHEMISTRY AND CHEMICAL PHYSICS*. 2013, 227(11). 1583-1593. <https://doi.org/10.1524/zpch.2013.0402>

Borah, Dipu et al. "Soft-graphoepitaxy using nanoimprinted polyhedral oligomeric silsesquioxane substrates for the directed self-Assembly of PS-b-PDMS". *European Polymer Journal*. 2013, 49(11). 3512-3521. <https://doi.org/10.1016/j.eurpolymj.2013.08.011>

Niskanen, Mika et al. "Porphyrin adsorbed on the (1010) surface of the wurtzite structure of ZnO-conformation induced effects on the electron transfer characteristics". *Physical Chemistry Chemical Physics*. 2013, 15(40). 17408-17418. <https://doi.org/10.1039/c3cp51685g>

Pollheimer, Philipp et al. "Reversible biofunctionalization of surfaces with a switchable mutant of avidin". *Bioconjugate Chemistry*. 2013, 24(10). 1656-1668. <https://doi.org/10.1021/bc400087e>

Sterpone, Fabio et al. "Importance of the ion-pair interactions in the OPEP coarse-grained force field: Parametrization and validation". *Journal of Chemical Theory and Computation*. 2013, 9(10). 4574-4584. <https://doi.org/10.1021/ct4003493>

Laitaoja, Mikko, Jarkko Valjakka and Janne Jänis. "Zinc coordination spheres in protein structures". *Inorganic Chemistry*. 2013, 52(19). 10983-10991. <https://doi.org/10.1021/ic401072d>

Khan, M. Nuruzzaman et al. "Spectroscopic study of a DNA brush synthesized in situ by surface initiated enzymatic polymerization". *Journal of Physical Chemistry Part B*. 2013, 117(34). 9929-9938. <https://doi.org/10.1021/jp404774x>

Stirnemann, Guillaume et al. "Mechanisms of acceleration and retardation of water dynamics by ions". *Journal of the American Chemical Society*. 2013, 135(32). 11824-11831. <https://doi.org/10.1021/ja405201s>

Khan, M. Nuruzzaman and Michael Zharnikov. "Irradiation promoted exchange reaction with disulfide substituents". *Journal of Physical Chemistry C*. 2013, 117(28). 14534-14543. <https://doi.org/10.1021/jp4006026>

- Borah, Dipu et al. "Tuning PDMS brush chemistry by UV-O₃ exposure for PS-b-PDMS microphase separation and directed self-assembly". *Langmuir*. 2013, 29(28). 8959-8968. <https://doi.org/10.1021/la401561k>
- Paterová, Jana et al. "Reversal of the Hofmeister series: Specific ion effects on peptides". *Journal of Physical Chemistry Part B*. 2013, 117(27). 8150-8158. <https://doi.org/10.1021/jp405683s>
- Stumpel, Jelle E. et al. "Photoswitchable hydrogel surface topographies by polymerisation-induced diffusion". *Chemistry: A European Journal*. 2013, 19(33). 10922-10927. <https://doi.org/10.1002/chem.201300852>
- Diban, Nazely et al. "Development and characterization of poly(ϵ -caprolactone) hollow fiber membranes for vascular tissue engineering". *Journal of Membrane Science*. 2013, 438. 29-37. <https://doi.org/10.1016/j.memsci.2013.03.024>
- Gordon, Thomas R. et al. "Shape-dependent plasmonic response and directed self-assembly in a new semiconductor building block, indium-doped cadmium oxide (ICO)". *Nano Letters*. 2013, 13(6). 2857-2863. <https://doi.org/10.1021/nl4012003>
- Gerlofs-Nijland, Miriam E. et al. "Cell toxicity and oxidative potential of engine exhaust particles: Impact of using particulate filter or biodiesel fuel blend". *Environmental Science and Technology*. 2013, 47(11). 5931-5938. <https://doi.org/10.1021/es305330y>
- Štěpánková, Veronika et al. "Cation-specific effects on enzymatic catalysis driven by interactions at the tunnel mouth". *Journal of Physical Chemistry Part B*. 2013, 117(21). 6394-6402. <https://doi.org/10.1021/jp401506v>
- Pelto, Jani M. et al. "Surface properties and interaction forces of biopolymer-doped conductive polypyrrole surfaces by atomic force microscopy". *Langmuir*. 2013, 29(20). 6099-6108. <https://doi.org/10.1021/la4009366>
- McManamon, Colm et al. "Depth profiling of PLGA copolymer in a novel biomedical bilayer using confocal Raman spectroscopy". *Langmuir*. 2013, 29(19). 5905-5910. <https://doi.org/10.1021/la400402a>
- Bayr, Suvi, Prasad Kaparaju, and Jukka Rintala. "Screening pretreatment methods to enhance thermophilic anaerobic digestion of pulp and paper mill wastewater treatment secondary sludge". *Chemical Engineering Journal*. 2013, 223. 479-486. <https://doi.org/10.1016/j.cej.2013.02.119>
- Tan, Mingqi et al. "Immobilized bioactive agents onto polyurethane surface with heparin and phosphorylcholine group". *Macromolecular Research*. 2013, 21(5). 541-549. <https://doi.org/10.1007/s13233-013-1028-3>
- Vapaavuori, Jaana et al. "Nanoindentation study of light-induced softening of supramolecular and covalently functionalized azo polymers". *Journal of Materials Chemistry C*. 2013, 1(16). 2806-2810. <https://doi.org/10.1039/c3tc30246f>
- Roop, Sandip et al. "Understanding the reinforcing behavior of expanded clay particles in natural rubber compounds". *Soft Matter*. 2013, 9(14). 3798-3808. <https://doi.org/10.1039/c3sm27519a>
- Pale, Ville et al. "Biomimetic zinc chlorin-poly(4-vinylpyridine) assemblies: Doping level dependent emission-absorption regimes". *Journal of Materials Chemistry C*. 2013, 1(11). 2166-2173. <https://doi.org/10.1039/c3tc00499f>
- Ma, Li, Jianguang Wang and Guanghou Wang. "Site-specific analysis of dipole polarizabilities of heterogeneous systems: Iron-doped Si_n (n = 1-14) clusters". *Journal of Chemical Physics*. 2013. 138(9). <https://doi.org/10.1063/1.4793276>
- Borah, Dipu et al. "Molecularly functionalized silicon substrates for orientation control of the microphase separation of PS-b-PMMA and PS-b-PDMS block copolymer systems". *Langmuir*. 2013, 29(9). 2809-2820. <https://doi.org/10.1021/la304140q>

Barboza, R. et al. "Optical vortex generation in nematic liquid crystal light valves". *Molecular Crystals and Liquid Crystals*. 2013, 572(1). 24-30. <https://doi.org/10.1080/15421406.2012.763206>

Rasappa, Sozaraj et al. "Fabrication of a sub-10 nm silicon nanowire based ethanol sensor using block copolymer lithography". *Nanotechnology*. 2013. 24(6). <https://doi.org/10.1088/0957-4484/24/6/065503>

Vazdar, Mario, Pavel Jungwirth and Philip E. Mason. "Aqueous guanidinium-carbonate interactions by molecular dynamics and neutron scattering: Relevance to ion-protein interactions". *Journal of Physical Chemistry Part B*. 2013, 117(6). 1844-1848. <https://doi.org/10.1021/jp310719g>

Fafarman, Aaron T. et al. "Chemically tailored dielectric-to-metal transition for the design of metamaterials from nanoimprinted colloidal nanocrystals". *Nano Letters*. 2013, 13(2). 350-357. <https://doi.org/10.1021/nl303161d>

Ma, Li and Asok K. Ray. "Growth behavior and magnetic properties of spherical uranium oxide nanoclusters". *Journal of Computational and Theoretical Nanoscience*. 2013, 10(2). 334-340. <https://doi.org/10.1166/jctn.2013.2701>

Ma, Li et al. "Density functional theory study of FePd_n (n = 2-14) clusters and interactions with small molecules". *Computational Materials Science*. 2013, 68. 166-173. <https://doi.org/10.1016/j.commatsci.2012.10.014>

Subramaniam, Kalaivani et al. "Networking of ionic liquid modified CNTs in SSBR". *European Polymer Journal*. 2013, 49(2). 345-352. <https://doi.org/10.1016/j.eurpolymj.2012.10.023>

Wang, Heyun et al. "A potential nonthrombogenic small-diameter vascular scaffold with polyurethane/poly(ethylene glycol) hybrid materials by electrospinning technique". *Journal Nanoscience and Nanotechnology*. 2013, 13(2). 1578-1582. <https://doi.org/10.1166/jnn.2013.6051>

Kulig, Waldemar and Noam Agmon. "A 'clusters-in-liquid' method for calculating infrared spectra identifies the proton-transfer mode in acidic aqueous solutions". *Nature Chemistry*. 2013, 5(1). 29-35. <https://doi.org/10.1038/nchem.1503>

Ylilauri, Mikko et al. "Molecular mechanism of T-cell protein tyrosine phosphatase (TCPTP) activation by mitoxantrone". *Biochimica et biophysica acta: proteins and proteomics*. 2013, 1834(10). 1988-1997. <https://doi.org/10.1016/j.bbapap.2013.07.001>

Mubarakali, Davoodbasha et al. "New reports on anti-bacterial and anti-candidal activities of fatty acid methyl esters (FAME) obtained from *Scenedesmus bijugatus* var. *bicellularis* biomass". *RSC Advances*. 2012, 2(30). 11552-11556. <https://doi.org/10.1039/c2ra21130k>

Buchholz, Max et al. "Semiclassical hybrid approach to condensed phase molecular dynamics: Application to the I₂Kr₁₇ cluster". *Journal of Physical Chemistry A*. 2012, 116(46). 11199-11210. <https://doi.org/10.1021/jp305084f>

Pluhaová, Eva et al. "Peptide salt bridge stability: From gas phase via microhydration to bulk water simulations". *Journal of Chemical Physics*. 2012. 137(18). <https://doi.org/10.1063/1.4765052>

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

Pluhařová, Eva et al. "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*. 2012, 116(44). 13254-13264. <https://doi.org/10.1021/jp306348b>

Steinhauser, D. et al. "Influence of ionic liquids on the dielectric relaxation behavior of CNT based elastomer nanocomposites". *Express Polymer Letters*. 2012, 6(11). 927-936. <https://doi.org/10.3144/expresspolymlett.2012.98>

Mahimwalla, Zahid et al. "Azobenzene photomechanics: Prospects and potential applications". *Polymer Bulletin*. 2012, 69(8). 967-1006. <https://doi.org/10.1007/s00289-012-0792-0>

Lisitsyna, E. S. et al. "Superquenching of SYBRGreen dye fluorescence in complex with DNA by gold nanoparticles". *HIGH ENERGY CHEMISTRY*. 2012, 46(6). 363-367. <https://doi.org/10.1134/S0018143912060057>

Khan, M. Nuruzzaman et al. "Fabrication of ssDNA/oligo(ethylene glycol) monolayers and complex nanostructures by an irradiation-promoted exchange reaction". *Angewandte Chemie (International Edition)*. 2012, 51(41). 10303-10306. <https://doi.org/10.1002/anie.201204245>

Le, H. H. et al. "Kinetics of filler wetting and dispersion in carbon nanotube/rubber composites". *Carbon*. 2012, 50(12). 4543-4556. <https://doi.org/10.1016/j.carbon.2012.05.039>

Gao, Wei et al. "Biomimetic surface modification of polycarbonateurethane film via phosphorylcholine-graft for resisting platelet adhesion". *Macromolecular Research*. 2012, 20(10). 1063-1069. <https://doi.org/10.1007/s13233-012-0152-9>

Bardhan, Jaydeep P., Pavel Jungwirth and Lee Makowski. "Affine-response model of molecular solvation of ions: Accurate predictions of asymmetric charging free energies". *Journal of Chemical Physics*. 2012. 137(12). <https://doi.org/10.1063/1.4752735>

Kapgate, Bharat P. et al. "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*. 2012, 63(3). 501-509. <https://doi.org/10.1007/s10971-012-2812-9>

Pegado, Luís et al. "Solvation and ion-pairing properties of the aqueous sulfate anion: Explicit versus effective electronic polarization". *Physical Chemistry Chemical Physics*. 2012, 14(29). 10248-10257. <https://doi.org/10.1039/c2cp40711f>

Kousoulidou, Marina et al. "Impact of biodiesel application at various blending ratios on passenger cars of different fueling technologies". *Fuel*. 2012, 98. 88-94. <https://doi.org/10.1016/j.fuel.2012.03.038>

Mason, Philip E., Erik Wernersson and Pavel Jungwirth. "Accurate description of aqueous carbonate ions: An effective polarization model verified by neutron scattering". *Journal of Physical Chemistry Part B*. 2012, 116(28). 8145-8153. <https://doi.org/10.1021/jp3008267>

Serak, Svetlana V., Nelson V. Tabiryan, and Gaetano Assanto. "Nematicons in azobenzene liquid crystals". *Molecular Crystals and Liquid Crystals*. 2012, 559. 202-213. <https://doi.org/10.1080/15421406.2012.658710>

Rembert, Kelvin B. et al. "Molecular mechanisms of ion-specific effects on proteins". *Journal of the American Chemical Society*. 2012, 134(24). 10039-10046. <https://doi.org/10.1021/ja301297g>

Priimagi, Arri et al. "Halogen bonding versus hydrogen bonding in driving self-assembly and performance of light-responsive supramolecular polymers". *Advanced Functional Materials*. 2012, 22(12). 2572-2579. <https://doi.org/10.1002/adfm.201200135>

Vazdar, Mario et al. "Behavior of 4-hydroxynonenal in phospholipid membranes". *Journal of Physical Chemistry Part B*. 2012, 116(22). 6411-6415. <https://doi.org/10.1021/jp3044219>

Ma, Li, Raymond Atta-Fynn and Asok K. Ray. "Elemental and mixed actinide dioxides: An ab initio study". *Journal of Theoretical and Computational Chemistry*. 2012, 11(3). 611-629. <https://doi.org/10.1142/S021963361250040X>

Wang, De Yi et al. "Structural characteristics and flammability of fire retarding EPDM/layered double hydroxide (LDH) nanocomposites". *RSC Advances*. 2012, 2(9). 3927-3933. <https://doi.org/10.1039/c2ra20189e>

Roop, Sandip et al. "Highly exfoliated natural rubber/Clay composites by "propping-open procedure": The influence of fatty acid chain length on exfoliation". *Macromolecular Materials and Engineering*. 2012, 297(4). 369-383. <https://doi.org/10.1002/mame.201100185>

Stradomska, Anna et al. "Excited-state polarizability in crystalline sexithiophene: Charge-transfer and vibronic effects". *Chemical Physics Letters*. 2012, 529. 27-30. <https://doi.org/10.1016/j.cplett.2012.01.038>

Das, Amit et al. "A novel thermotropic elastomer based on highly-filled LDH-SSB composites". *Macromolecular Rapid Communications*. 2012, 33(4). 337-342. <https://doi.org/10.1002/marc.201100735>

Nandre, Kamalakar P. et al. "Glycerol mediated synthesis of 5-substituted 1H-tetrazole under catalyst free conditions". *Chinese Chemical Letters*. 2012, 23(2). 161-164. <https://doi.org/10.1016/j.ccl.2011.11.019>

Koskela, Jenni E. et al. "Surface-relief gratings and stable birefringence inscribed using light of broad spectral range in supramolecular polymer-bisazobenzene complexes". *Journal of Physical Chemistry C*. 2012, 116(3). 2363-2370. <https://doi.org/10.1021/jp210706n>

Marsalek, Ondrej et al. "Structure, dynamics, and reactivity of hydrated electrons by Ab initio molecular dynamics". *Accounts of Chemical Research*. 2012, 45(1). 23-32. <https://doi.org/10.1021/ar200062m>

Leuteritz, A. et al. "Layered Double Hydroxides (LDH): A multifunctional versatile system for nanocomposites". *Molecular Crystals and Liquid Crystals*. 2012, 556. 107-113. <https://doi.org/10.1080/15421406.2012.635923>

Priimagi, Arri et al. "Location of the Azobenzene moieties within the cross-linked liquid-crystalline polymers can dictate the direction of photoinduced bending". *ACS Macro Letters*. 2012, 1(1). 96-99. <https://doi.org/10.1021/mz200056w>

Marsalek, Ondrej et al. "Chasing charge localization and chemical reactivity following photoionization in liquid water". *Journal of Chemical Physics*. 2011. 135(22). <https://doi.org/10.1063/1.3664746>

Härkönen, Henna H. et al. "The Discovery of Compounds That Stimulate the Activity of Kallikrein-Related Peptidase3 (KLK3)". *CHEMMEDCHEM*. 2011, 6(12). 2170-2178. <https://doi.org/10.1002/cmdc.201100349>

Manna, Moutusi and Chaitali Mukhopadhyay. "Cholesterol driven alteration of the conformation and dynamics of phospholamban in model membranes". *Physical Chemistry Chemical Physics*. 2011, 13(45). 20188-20198. <https://doi.org/10.1039/c1cp21793c>

Subramaniam, Kalaivani et al. "Effect of ionic liquid on dielectric, mechanical and dynamic mechanical properties of multi-walled carbon nanotubes/polychloroprene rubber composites". *European Polymer Journal*. 2011, 47(12). 2234-2243. <https://doi.org/10.1016/j.eurpolymj.2011.09.021>

Gladich, Ivan et al. "Arrhenius analysis of anisotropic surface self-diffusion on the prismatic facet of ice". *Physical Chemistry Chemical Physics*. 2011, 13(44). 19960-19969. <https://doi.org/10.1039/c1cp22238d>

Li, Yan et al. "Detection and verification of glycosylation patterns of glycoproteins from clinical specimens using lectin microarrays and lectin-based immunosorbent assays". *Analytical Chemistry*. 2011, 83(22). 8509-8516. <https://doi.org/10.1021/ac201452f>

Wernersson, Erik et al. "Orientational dependence of the affinity of guanidinium ions to the water surface". *Journal of Physical Chemistry Part B*. 2011, 115(43). 12521-12526. <https://doi.org/10.1021/jp207499s>

Lis, Mateusz et al. "The effect of lipid oxidation on the water permeability of phospholipids bilayers". *Physical Chemistry Chemical Physics*. 2011, 13(39). 17555-17563. <https://doi.org/10.1039/c1cp21009b>

Vapaavuori, Jaana et al. "Efficient surface structuring and photoalignment of supramolecular polymer-azobenzene complexes through rational chromophore design". *Journal of Materials Chemistry*. 2011, 21(39). 15437-15441. <https://doi.org/10.1039/c1jm12642c>

Vazdar, Mario et al. "Like-charge guanidinium pairing from molecular dynamics and ab initio calculations". *Journal of Physical Chemistry A*. 2011, 115(41). 11193-11201. <https://doi.org/10.1021/jp203519p>

Heikkinen, Jarkko J. et al. "Versatile bio-ink for covalent immobilization of chimeric avidin on sol-gel substrates". *Colloids and Surfaces B: Biointerfaces*. 2011, 87(2). 409-414. <https://doi.org/10.1016/j.colsurfb.2011.05.052>

Tian, Yuan, G. Steven Bova and Hui Zhang. "Quantitative glycoproteomic analysis of optimal cutting temperature-embedded frozen tissues identifying glycoproteins associated with aggressive prostate cancer". *Analytical Chemistry*. 2011, 83(18). 7013-7019. <https://doi.org/10.1021/ac200815q>

Roop, Sandip, Amit Das and Gert Heinrich. "Tube-like natural halloysite/fluoroelastomer nanocomposites with simultaneous enhanced mechanical, dynamic mechanical and thermal properties". *European Polymer Journal*. 2011, 47(9). 1746-1755. <https://doi.org/10.1016/j.eurpolymj.2011.06.007>

Giammarco, James et al. "Towards universal enrichment nanocoating for IR-ATR waveguides". *Chemical Communications*. 2011, 47(32). 9104-9106. <https://doi.org/10.1039/c1cc12780b>

Uhlig, Frank, Ondrej Marsalek and Pavel Jungwirth. "From a localized H₃O radical to a delocalized H₃O⁺·e⁻ solvent-separated pair by sequential hydration". *Physical Chemistry Chemical Physics*. 2011, 13(31). 14003-14009. <https://doi.org/10.1039/c1cp20764d>

Heyda, Jan et al. "Urea and guanidinium induced denaturation of a Trp-cage miniprotein". *Journal of Physical Chemistry Part B*. 2011, 115(28). 8910-8924. <https://doi.org/10.1021/jp200790h>

Linko, Veikko et al. "Defined-size DNA triple crossover construct for molecular electronics: Modification, positioning and conductance properties". *Nanotechnology*. 2011, 22(27). <https://doi.org/10.1088/0957-4484/22/27/275610>

Liu, Y. et al. "Internal structure, hygroscopic and reactive properties of mixed sodium methanesulfonate-sodium chloride particles". *Physical Chemistry Chemical Physics*. 2011, 13(25). 11846-11857. <https://doi.org/10.1039/c1cp20444k>

Kulig, Waldemar, Piotr Kubisiak and Lukasz Cwiklik. "Steric and electronic effects in the host-guest hydrogen bonding in clathrate hydrates". *Journal of Physical Chemistry A*. 2011, 115(23). 6149-6154. <https://doi.org/10.1021/jp111245z>

Miller, Abigail E. et al. "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*. 2011, 115(23). 5873-5880. <https://doi.org/10.1021/jp110103j>

Jagoda-Cwiklik, Barbara, Lukasz Cwiklik and Pavel Jungwirth. "Behavior of the eigen form of hydronium at the air/water interface". *Journal of Physical Chemistry A*. 2011, 115(23). 5881-5886. <https://doi.org/10.1021/jp110078s>

Das, Amit et al. "Preparation of zinc oxide free, transparent rubber nanocomposites using a layered double hydroxide filler". *Journal of Materials Chemistry*. 2011, 21(20). 7194-7200. <https://doi.org/10.1039/c0jm03784b>

- Auer, Sanna et al. "Detection of DNA hybridisation in a diluted serum matrix by surface plasmon resonance and film bulk acoustic resonators". *Analytical and Bioanalytical Chemistry*. 2011, 400(5). 1387-1396. <https://doi.org/10.1007/s00216-011-4871-0>
- Takahashi, Hideaki et al. "Energetic origin of proton affinity to the air/water interface". *Journal of Physical Chemistry Part B*. 2011, 115(16). 4745-4751. <https://doi.org/10.1021/jp2015676>
- Manna, Moutusi and Chaitali Mukhopadhyay. "Molecular dynamics simulations of the interactions of kinin peptides with an anionic POPG bilayer". *Langmuir*. 2011, 27(7). 3713-3722. <https://doi.org/10.1021/la104046z>
- Pluhařová, Eva et al. "Ionization of purine tautomers in nucleobases, nucleosides, and nucleotides: From the gas phase to the aqueous environment". *Journal of Physical Chemistry Part B*. 2011, 115(5). 1294-1305. <https://doi.org/10.1021/jp110388v>
- Ma, Li, Koblar Alan Jackson and Julius Jellinek. "Site-specific polarizabilities as predictors of favorable adsorption sites on Nan clusters". *Chemical Physics Letters*. 2011, 503(1-3). 80-85. <https://doi.org/10.1016/j.cplett.2010.12.049>
- Petrov, Michal, Lukasz Cwiklik and Pavel Jungwirth. "Interactions of molecular ions with model phospholipid membranes". *Collection of Czechoslovak Chemical Communications*. 2011, 76(6). 695-711. <https://doi.org/10.1135/cccc2011026>
- Gilardi, G. et al. "An electro-optically tunable Bragg reflector based on liquid crystals". *Molecular Crystals and Liquid Crystals*. 2011, 549. 62-68. <https://doi.org/10.1080/15421406.2011.581137>
- Giammarco, James M. et al. "Enrichment polymer layers for detection of volatile vapors by ATR FT-IR". *ACS National Meeting Book of Abstracts*. 2011.
- Dantelle, G. et al. "Efficient production of NV colour centres in nanodiamonds using high-energy electron irradiation". *Journal of Luminescence*. 2010, 130(9). 1655-1658. <https://doi.org/10.1016/j.jlumin.2009.12.003>
- Dehmer, Matthias et al. "On entropy-based molecular descriptors: Statistical analysis of real and synthetic chemical structures". *Journal of Chemical Information and Modeling*. 2009, 49(7). 1655-1663. <https://doi.org/10.1021/ci900060x>
- Dehmer, Matthias and Frank Emmert-Streib. "Structural information content of networks: Graph entropy based on local vertex functionals". *Computational Biology and Chemistry*. 2008, 32(2). 131-138. <https://doi.org/10.1016/j.compbiolchem.2007.09.007>
- Dehmer, Matthias and Frank Emmert-Streib. "The structural information content of chemical networks". *Zeitschrift fur Naturforschung Section A: A Journal of Physical Sciences*. 2008, 63(3-4). 155-158.
- Pakarinen, Outi, Animari Lehtomäki, and Jukka Rintala. "Batch dark fermentative hydrogen production from grass silage: The effect of inoculum, pH, temperature and VS ratio". *International Journal of Hydrogen Energy*. 2008, 33(2). 594-601. <https://doi.org/10.1016/j.ijhydene.2007.10.008>
- Väisänen, Ari et al. "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*. 2002, 373(1-2). 93-97. <https://doi.org/10.1007/s00216-002-1290-2>
- Väisänen, Ari, Reijo Suontamo, and Jukka Rintala. "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*. 2002, 17(3). 274-276. <https://doi.org/10.1039/b108543n>
- Tois, Jan et al. "Vilsmeier formylation of 2-carboxyindoles and preparation of O-benzylhydroxyureas on solid phase". *Journal of Combinatorial Chemistry*. 2001, 3(6). 542-545. <https://doi.org/10.1021/cc010004f>

Tois, J. et al. "Solid-phase bromination and Suzuki coupling of 2-carboxyindoles". *Combinatorial Chemistry and High Throughput Screening*. 2001, 4(6). 521-524. <https://doi.org/10.2174/1386207013330887>

Rantala, Tuomo S., Tapio T. Rantala and Vilho Lantto. "Computational studies for the interpretation of gas response of SnO₂(110) surface". *Sensors and Actuators B: Chemical*. 2000, 65(1). 375-378. [https://doi.org/10.1016/S0925-4005\(99\)00292-0](https://doi.org/10.1016/S0925-4005(99)00292-0)

Tois, Jan et al. "Preparation of 5-substituted 2-carboxyindoles on solid support". *Tetrahedron Letters*. 2000, 41(14). 2443-2446. [https://doi.org/10.1016/S0040-4039\(00\)00151-9](https://doi.org/10.1016/S0040-4039(00)00151-9)

Franzén, R. "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*. 2000, 78(7). 957-962. <https://doi.org/10.1139/v00-089>

Kaski, Jaakko et al. "Experimental and theoretical study of the spin-spin coupling tensors in methylsilane". *Journal of Physical Chemistry A*. 1999, 103(48). 9669-9677. <https://doi.org/10.1021/jp9920491>

Rantala, Tapio T., Tuomo S. Rantala and Vilho Lantto. "Surface relaxation of the (110) face of rutile SnO₂". *Surface Science*. 1999, 420(1). 103-109. [https://doi.org/10.1016/S0039-6028\(98\)00833-4](https://doi.org/10.1016/S0039-6028(98)00833-4)

Kangas, Heli et al. "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*. 1999, 13(16). 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, Tuomo, Vilho Lantto, and Tapio Rantala. "Computational approaches to the chemical sensitivity of semiconducting tin dioxide". *Sensors and Actuators B: Chemical*. 1998, 47(1-3). 59-64. [https://doi.org/10.1016/S0925-4005\(98\)00007-0](https://doi.org/10.1016/S0925-4005(98)00007-0)

Franzén, Robert et al. "Investigation of the adducts formed by reaction of butenedioic acids with adenosine". *Chemical Research in Toxicology*. 1997, 10(10). 1186-1191. <https://doi.org/10.1021/tx970036d>

Lesot, Philippe et al. "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*. 1997, 101(31). 5719-5724. <https://doi.org/10.1021/jp9709262>

Hyvönen, Marja et al. "Inequivalence of single CH_a and CH_b methylene bonds in the interior of a diunsaturated lipid bilayer from a molecular dynamics simulation". *Chemical Physics Letters*. 1997, 268(1-2). 55-60. [https://doi.org/10.1016/S0009-2614\(97\)00171-1](https://doi.org/10.1016/S0009-2614(97)00171-1)

Lepistö, Satu S. and Jukka A. Rintala. "Start-up and Operation of Laboratory-Scale Thermophilic Upflow Anaerobic Sludge Blanket Reactors Treating Vegetable Processing Wastewaters". *Journal of Chemical Technology and Biotechnology*. 1997, 68(3). 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)

Rantala, Tapio T. et al. "Surface relaxation of the (1010) face of wurtzite CdS". *Surface Science*. 1996, 352-354. 77-82. [https://doi.org/10.1016/0039-6028\(95\)01094-7](https://doi.org/10.1016/0039-6028(95)01094-7)

Knasmüller, Siegfried et al. "Mutational spectra of *Salmonella typhimurium* revertants induced by chlorohydroxyfuranones, byproducts of chlorine disinfection of drinking water". *Chemical Research in Toxicology*. 1996, 9(2). 374-381. <https://doi.org/10.1021/tx9500686>

- Hyvönen, Marja et al. "Effects of two double bonds on the hydrocarbon interior of a phospholipid bilayer". *Chemical Physics Letters*. 1995, 246(3). 300-306. [https://doi.org/10.1016/0009-2614\(95\)01113-N](https://doi.org/10.1016/0009-2614(95)01113-N)
- Franzén, Robert and Leif Kronberg. "Synthesis of chlorinated 5-hydroxy 4-methyl-2(5H)-furanones and mucochloric acid". *Tetrahedron Letters*. 1995, 36(22). 3905-3908. [https://doi.org/10.1016/0040-4039\(95\)00638-S](https://doi.org/10.1016/0040-4039(95)00638-S)
- Rantala, Tapio T., Daniel A. Jelski and Thomas F. George. "Si₁₀ and photoabsorption spectra of mid-sized silicon clusters". *Chemical Physics Letters*. 1995, 232(3). 215-220. [https://doi.org/10.1016/0009-2614\(94\)01342-S](https://doi.org/10.1016/0009-2614(94)01342-S)
- Rantala, T. S., V. Lantto, and T. T. Rantala. "A cluster approach for the SnO₂ (110) face". *Sensors and Actuators B: Chemical*. 1994, 19(1-3). 716-719. [https://doi.org/10.1016/0925-4005\(93\)01220-X](https://doi.org/10.1016/0925-4005(93)01220-X)
- Rantala, T. S., V. Lantto, and T. T. Rantala. "Rate equation simulation of the height of Schottky barriers at the surface of oxidic semiconductors". *Sensors and Actuators B: Chemical*. 1993, 13(1-3). 234-237. [https://doi.org/10.1016/0925-4005\(93\)85369-L](https://doi.org/10.1016/0925-4005(93)85369-L)
- Rantala, Tapio T., Daniel A. Jelski and Thomas F. George. "Electronic and structural properties of Si₁₀ cluster". *Journal of Cluster Science*. 1990, 1(2). 189-200. <https://doi.org/10.1007/BF00702719>
- Milne, D. et al. "Morphological and structural changes in laser CVD of silicon: comparison of theoretical temperature calculations with experimental results". *Applied Surface Science*. 1989, 43(1-4). 81-86. [https://doi.org/10.1016/0169-4332\(89\)90194-3](https://doi.org/10.1016/0169-4332(89)90194-3)
- Kellomäki, Aarre, Pirjo Kuula-Väisänen and Pertti Nieminen. "Sorption and retention of ethylene glycol monoethyl ether (EGME) on silicas". *Journal of Colloid and Interface Science*. 1989, 129(2). 373-378. [https://doi.org/10.1016/0021-9797\(89\)90450-5](https://doi.org/10.1016/0021-9797(89)90450-5)
- Levoska, J., T. T. Rantala and J. Lenkkeri. "Numerical simulation of temperature distributions in layered structures during laser processing". *Applied Surface Science*. 1989, 36(1-4). 12-22. [https://doi.org/10.1016/0169-4332\(89\)90895-7](https://doi.org/10.1016/0169-4332(89)90895-7)
- Rantala, Tapio T., Bo Wästberg and Arne Rosén. "Potential energy curves for diatomic molecules calculated with numerical basis functions". *Chemical Physics*. 1986, 109(2-3). 261-268. [https://doi.org/10.1016/0301-0104\(86\)87056-2](https://doi.org/10.1016/0301-0104(86)87056-2)
- Rantala, T. T., A. Rosén and B. Helsing. "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*. 1986, 39(C). 173-181. [https://doi.org/10.1016/0368-2048\(86\)85045-9](https://doi.org/10.1016/0368-2048(86)85045-9)
- Rantala, T. T., A. Rosén and B. Helsing. "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*. 1986, 26(C). 173-181. [https://doi.org/10.1016/S0167-2991\(09\)61238-6](https://doi.org/10.1016/S0167-2991(09)61238-6)
- Väyrynen, J. et al. "Anomalous Auger-electron spectra of metallic calcium". *Journal of Electron Spectroscopy and Related Phenomena*. 1983, 31(3). 293-305. [https://doi.org/10.1016/0368-2048\(83\)85077-4](https://doi.org/10.1016/0368-2048(83)85077-4)
- Rantala, T. et al. "Direct measurement of the kinetic energy shift between the molecular and atomic M_{4,5}N_{4,5}N_{4,5} Auger spectra of iodine". *Chemical Physics Letters*. 1979, 66(2). 384-386. [https://doi.org/10.1016/0009-2614\(79\)85040-X](https://doi.org/10.1016/0009-2614(79)85040-X)