

Abou-Chahine F, Fujii D, Imahori H, Nakano H, Tkachenko NV, Matano Y et al. **Synthesis and Photophysical Properties of Two Diazaporphyrin-Porphyrin Hetero Dimers in Polar and Nonpolar Solutions.** Journal of Physical Chemistry Part B. 2015 kesä 18;119(24):7328-7337. <https://doi.org/10.1021/jp510903a>

Akamatsu N, Aizawa M, Tatsumi R, Hisano K, Priimägi A, Shishido A. **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>

Alekseev A, Ihalainen P, Ivanov A, Domnin I, Klechkovskaya V, Orekhov A et al. **The red, purple and blue modifications of polymeric unsymmetrical hydroxyalkadiynyl-N-arylcarbamate derivatives in Langmuir-Schaefer films.** Thin Solid Films. 2016 elo 1;612:463-471. <https://doi.org/10.1016/j.tsf.2016.06.044>

Alekseev A, Ihalainen P, Ivanov A, Domnin I, Rosqvist E, Lemmetyinen H et al. **Stable blue phase polymeric Langmuir-Schaefer films based on unsymmetrical hydroxyalkadiynyl N-arylcarbamate derivatives.** Thin Solid Films. 2018;645:108-118. <https://doi.org/10.1016/j.tsf.2017.10.018>

Allolio C, Baxova K, Vazdar M, Jungwirth P. **Guanidinium Pairing Facilitates Membrane Translocation.** Journal of Physical Chemistry Part B. 2016 tammi 14;120(1):143-153. <https://doi.org/10.1021/acs.jpcc.5b10404>

Arvani M, Keskinen J, Railanmaa A, Siljander S, Björkqvist T, Tuukkanen S et al. **Additive manufacturing of monolithic supercapacitors with biopolymer separator.** Journal of Applied Electrochemistry. 2020 kesä 1;50(6):689-697. <https://doi.org/10.1007/s10800-020-01423-2>

Asikainen S, Paakinaho K, Kyhkynen AK, Hannula M, Malin M, Ahola N et al. **Hydrolysis and drug release from poly(ethylene glycol)-modified lactone polymers with open porosity.** European Polymer Journal. 2019 huhti 1;113:165-175. <https://doi.org/10.1016/j.eurpolymj.2019.01.056>

Auer S, Koho T, Uusi-Kerttula H, Vesikari T, Blazevic V, Hytönen VP. **Rapid and sensitive detection of norovirus antibodies in human serum with a bilayer interferometry biosensor.** Sensors and Actuators B: Chemical. 2015 joulu 31;221:507-514. <https://doi.org/10.1016/j.snb.2015.06.088>

Banerjee SS, Hait S, Natarajan TS, Wießner S, Stöckelhuber KW, Jehnichen D et al. **Water-Responsive and Mechanically Adaptive Natural Rubber Composites by in Situ Modification of Mineral Filler Structures.** Journal of Physical Chemistry B. 2019 kesä 20;123(24):5168-5175. <https://doi.org/10.1021/acs.jpcc.9b02125>

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

Bansod ND, Kapgata BP, Das C, Das A, Basu D, Debnath SC. **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>

Barberi J, Nommeots-Nomm A, Fiume E, Verné E, Massera J, Bairo F. **Mechanical characterization of pore-graded bioactive glass scaffolds produced by robocasting.** Biomedical Glasses. 2019;5(1):140-147. <https://doi.org/10.1515/bglass-2019-0012>

Basu D, Das A, Jacobgeorge J, Wang DY, Stöckelhuber K, Wagenknecht U et al. **Unmodified LDH as reinforcing filler for XNBR and the development of flame-retardant elastomer composites.** Rubber Chemistry and Technology. 2014 joulu 1;87(4):606-616. <https://doi.org/10.5254/rct.14.86920>

Bhagavatheswaran ES, Vaikuntam SR, Stöckelhuber KW, Wießner S, Heinrich G, Das A. **High-performance elastomeric strain sensors based on nanostructured carbon fillers for potential tire applications.** Materials Today Communications. 2018 maaliskuu 1;14:240-248. <https://doi.org/10.1016/j.mtcomm.2018.01.013>

Bolelli G, Berger LM, Börner T, Koivuluoto H, Lusvarghi L, Lyphout C et al. **Tribology of HVOF- and HVAF-sprayed WC-10Co4Cr hardmetal coatings: A comparative assessment.** Surface and Coatings Technology. 2015 maaliskuu 15;265:125-144. <https://doi.org/10.1016/j.surfcoat.2015.01.048>

Bolelli G, Berger LM, Börner T, Koivuluoto H, Matikainen V, Lusvarghi L et al. **Sliding and abrasive wear behaviour of HVOF- and HVAF-sprayed Cr<sub>3</sub>C<sub>2</sub>-NiCr hardmetal coatings.** Wear. 2016 heinäkuu 15;358-359:32-50. <https://doi.org/10.1016/j.wear.2016.03.034>

Bolelli G, Bursi M, Lusvarghi L, Manfredini T, Matikainen V, Rigon R et al. **Tribology of FeVCrC coatings deposited by HVOF and HVAF thermal spray processes.** Wear. 2018;394-395:113-133. <https://doi.org/10.1016/j.wear.2017.10.014>

Bomberg M, Miettinen H, Wahlström M, Kaartinen T, Ahoranta S, Lakaniemi A-M et al. **Post operation inactivation of acidophilic bioleaching microorganisms using natural chloride-rich mine water.** Hydrometallurgy. 2018 syyskuu 1;180:236-245. <https://doi.org/10.1016/j.hydromet.2018.06.013>

Calejo MT, Haapala A, Skottman H, Kellomäki M. **Porous polybutylene succinate films enabling adhesion of human embryonic stem cell-derived retinal pigment epithelial cells (hESC-RPE).** European Polymer Journal. 2019 syyskuu 1;118:78-87. <https://doi.org/10.1016/j.eurpolymj.2019.05.041>

Cemlyn B, Adams M, Harbord E, Li N, Henning ID, Oulton R et al. **Near-threshold high spin amplification in a 1300 nm GaInNAs spin laser.** Semiconductor Science and Technology. 2018 elokuu 1;33(9). 094005. <https://doi.org/10.1088/1361-6641/aad42e>

Chintha AR, Valtonen K, Kuokkala VT, Kundu S, Peet MJ, Bhadeshia HKDH. **Role of fracture toughness in impact-abrasion wear.** Wear. 2019 kesäkuu 15;428-429:430-437. <https://doi.org/10.1016/j.wear.2019.03.028>

Christophliemk H, Ullsten H, Johansson C, Järnström L. **Starch-poly(vinyl alcohol) barrier coatings for flexible packaging paper and their effects of phase interactions.** Progress in Organic Coatings. 2017 lokakuu 1;111:13-22. <https://doi.org/10.1016/j.porgcoat.2017.04.018>

Christophliemk H, Johansson C, Ullsten H, Järnström L. **Oxygen and water vapor transmission rates of starch-poly(vinyl alcohol) barrier coatings for flexible packaging paper.** Progress in Organic Coatings. 2017 joulukuu 1;113:218-224. <https://doi.org/10.1016/j.porgcoat.2017.04.019>

Cui S, Massera J, Lastusaari M, Hupa L, Petit L. **Novel oxyfluorophosphate glasses and glass-ceramics.** Journal of Non-Crystalline Solids. 2016 elokuu 1;445-446:40-44. <https://doi.org/10.1016/j.jnoncrysol.2016.05.005>

Cummins C, Borah D, Rasappa S, Chaudhari A, Ghoshal T, O'Driscoll BMD 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 joulukuu 21;1(47):7941-7951. <https://doi.org/10.1039/c3tc31498g>

Das A, George JJ, Kutlu B, Leuteritz A, Wang DY, Rooj S et al. **A novel thermotropic elastomer based on highly-filled LDH-SSB composites.** Macromolecular Rapid Communications. 2012 helmikuu 27;33(4):337-342. <https://doi.org/10.1002/marc.201100735>

Das A, Wang DY, Leuteritz A, Subramaniam K, Greenwell HC, Wagenknecht U et al. **Preparation of zinc oxide free, transparent rubber nanocomposites using a layered double hydroxide filler.** Journal of Materials Chemistry. 2011 toukokuu 28;21(20):7194-7200. <https://doi.org/10.1039/c0jm03784b>

Debnath SC, Das A, Basu D, Heinrich G. **Naturally occurring amino acids: A suitable substitute of N-N-di-phenyl guanidine (DPG) in silica tyre formulation?** KGK: KAUTSCHUK GUMMI KUNSTSTOFFE. 2013 tammi;66(1-2):25-31.

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

Diban N, Haimi SP, Bolhuis-Versteeg L, Teixeira S, Miettinen S, Poot AA et al. **Effect of surface morphology of poly( $\epsilon$ -caprolactone) scaffolds on adipose stem cell adhesion and proliferation**. *Macromolecular symposia*. 2013 joulu;334(1):126-132. <https://doi.org/10.1002/masy.201300106>

Donadei V, Koivuluoto H, Sarlin E, Vuoristo P. **Lubricated icephobic coatings prepared by flame spraying with hybrid feedstock injection**. *Surface and Coatings Technology*. 2020 joulu 15;403. 126396. <https://doi.org/10.1016/j.surfcoat.2020.126396>

Dongho-Nguimdo GM, Igumbor E, Zambou S, Joubert DP. **First principles prediction of the solar cell efficiency of chalcopyrite materials  $AgMX_2$  (M=In, Al; X=S, Se, Te)**. *Computational Condensed Matter*. 2019 joulu 1;21. e00391. <https://doi.org/10.1016/j.cocom.2019.e00391>

Donmez O, Aydin M, Ardali, Yildirim S, Tiraş E, Nutku F et al. **Electronic transport in n-type modulation-doped AlGaAs/GaAsBi quantum well structures: Influence of Bi and thermal annealing on electron effective mass and electron mobility**. *Semiconductor Science and Technology*. 2020;35(2). 025009. <https://doi.org/10.1088/1361-6641/ab5d8d>

Donmez O, Aydin M, Ardali, Yildirim S, Tiraş E, Erol A et al. **Power loss mechanisms in n-type modulation-doped AlGaAs/GaAsBi quantum well heterostructures**. *Semiconductor Science and Technology*. 2020;35(9). 095038. <https://doi.org/10.1088/1361-6641/ab94d9>

Durandin NA, Isokuortti J, Efimov A, Vuorimaa-Laukkanen E, Tkachenko NV, Laaksonen T. **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>

Dzieciuch M, Rissanen S, Szydłowska N, Bunker A, Kumorek M, Jamróz D et al. **PEGylated liposomes as carriers of hydrophobic porphyrins**. *Journal of Physical Chemistry Part B*. 2015 kesä 4;119(22):6646-6657. <https://doi.org/10.1021/acs.jpcc.5b01351>

Eshwaran SB, Basu D, Vaikuntam SR, Kutlu B, Wiessner S, Das A 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 maaliskuu 1;132(9). 41539. <https://doi.org/10.1002/app.41539>

Eshwaran SB, Basu D, Kutlu B, Leuteritz A, Wagenknecht U, Stöckelhuber KW et al. **Stearate Modified Zinc-Aluminum Layered Double Hydroxides and Acrylonitrile Butadiene Rubber Nanocomposites**. *Polymer-Plastics Technology and Engineering*. 2014 tammi;53(1):65-73. <https://doi.org/10.1080/03602559.2013.843690>

Fatarelle E, Mylläri V, Ruzzante M, Pogni R, Baratto MC, Skrifvars M et al. **Sulfonated polyetheretherketone/polypropylene polymer blends for the production of photoactive materials**. *Journal of Applied Polymer Science*. 2015 helmi 1;132(8). 41509. <https://doi.org/10.1002/app.41509>

Fliervoet LAL, Lisitsyna ES, Durandin NA, Kotsis I, Maas-Bakker RFM, Yliperttula M et al. **Structure and Dynamics of Thermosensitive pDNA Polyplexes Studied by Time-Resolved Fluorescence Spectroscopy**. *Biomacromolecules*. 2019. <https://doi.org/10.1021/acs.biomac.9b00896>

Gao W, Feng Y, Lu J, Khan M, Guo J. **Biomimetic surface modification of polycarbonateurethane film via phosphorylcholine-graft for resisting platelet adhesion**. *Macromolecular Research*. 2012 loka;20(10):1063-1069. <https://doi.org/10.1007/s13233-012-0152-9>

Gebraad AWH, Miettinen S, Grijpma DW, Haimi SP. **Human adipose stem cells in chondrogenic differentiation medium without growth factors differentiate towards annulus fibrosus phenotype in vitro**. *Macromolecular symposia*. 2013 joulu;334(1):49-56. <https://doi.org/10.1002/masy.201300104>

German SJ, Behbahani M, Miettinen S, Grijpma DW, Haimi SP. **Proliferation and differentiation of adipose stem cells towards smooth muscle cells on poly(trimethylene carbonate) membranes.** *Macromolecular symposia*. 2013 joulu;334(1):133-142. <https://doi.org/10.1002/masy.201300100>

Ghabchi A, Sampath S, Holmberg K, Varis T. **Damage mechanisms and cracking behavior of thermal sprayed WC-CoCr coating under scratch testing.** *Wear*. 2014 touko 15;313(1-2):97-105. <https://doi.org/10.1016/j.wear.2014.02.017>

Ghabchi A, Varis T, Holmberg K, Sampath S. **HVOF process control enabling strategies.** julkaisussa International Thermal Spray Conference and Exposition, ITSC 2012 - Air, Land, Water and the Human Body: Thermal Spray Science and Applications. ASM International. 2012. s. 465-471

Giammarco J, Zdyrko B, Petit L, Musgraves JD, Hu J, Agarwal A et al. **Towards universal enrichment nanocoating for IR-ATR waveguides.** *Chemical Communications*. 2011 elo 28;47(32):9104-9106. <https://doi.org/10.1039/c1cc12780b>

Glorieux B, Salminen T, Massera J, Lastusaari M, Petit L. **Better understanding of the role of SiO<sub>2</sub>, P<sub>2</sub>O<sub>5</sub> and Al<sub>2</sub>O<sub>3</sub> on the spectroscopic properties of Yb<sup>3+</sup> doped silica sol-gel glasses.** *Journal of Non-Crystalline Solids*. 2018;482:46-51. <https://doi.org/10.1016/j.jnoncrysol.2017.12.021>

Goulet-Hanssens A, Corkery TC, Priimagi A, Barrett CJ. **Effect of head group size on the photoswitching applications of azobenzene Disperse Red 1 analogues.** *Journal of Materials Chemistry C*. 2014 syys 28;2(36):7505-7512. <https://doi.org/10.1039/c4tc00996g>

Goyos-Ball L, Prado C, Díaz R, Fernández E, Ismailov A, Kumpulainen T et al. **The effects of laser patterning 10CeTzP-Al<sub>2</sub>O<sub>3</sub> nanocomposite disc surfaces: Osseous differentiation and cellular arrangement in vitro.** *Ceramics International*. 2018 kesä;44(8):9472-9478. <https://doi.org/10.1016/j.ceramint.2018.02.164>

Gunes M, Ukelge MO, Donmez O, Erol A, Gumus C, Alghamdi H et al. **Optical properties of GaAs<sub>1-x</sub>Bi<sub>x</sub>/GaAs quantum well structures grown by molecular beam epitaxy on (100) and (311)B GaAs substrates.** *Semiconductor Science and Technology*. 2018 marras 13;33(12). 124015. <https://doi.org/10.1088/1361-6641/aaea2e>

Haiko O, Valtonen K, Kaijalainen A, Uusikallio S, Hannula J, Liimatainen T et al. **Effect of tempering on the impact-abrasive and abrasive wear resistance of ultra-high strength steels.** *Wear*. 2019 joulu 15;440-441. <https://doi.org/10.1016/j.wear.2019.203098>

Haiko O, Javaheri V, Valtonen K, Kaijalainen A, Hannula J, Kömi J. **Effect of prior austenite grain size on the abrasive wear resistance of ultra-high strength martensitic steels.** *Wear*. 2020 elo 15;454-455. 203336. <https://doi.org/10.1016/j.wear.2020.203336>

Haiko O, Kaikkonen P, Somani M, Valtonen K, Kömi J. **Characteristics of carbide-free medium-carbon bainitic steels in high-stress abrasive wear conditions.** *Wear*. 2020 syys 15;456-457. 203386. <https://doi.org/10.1016/j.wear.2020.203386>

Hannula M, Ali-Löytty H, Lahtonen K, Sarlin E, Saari J, Valden M. **Improved Stability of Atomic Layer Deposited Amorphous TiO<sub>2</sub> Photoelectrode Coatings by Thermally Induced Oxygen Defects.** *Chemistry of Materials*. 2018 helmi 27;30(4):1199-1208. <https://doi.org/10.1021/acs.chemmater.7b02938>

Heikkinen JJ, Kivimäki L, Hytönen VP, Kulomaa MS, Hormi OEO. **Printable and flexible macroporous organosilica film with high protein adsorption capacity.** *Thin Solid Films*. 2012 tammi 1;520(6):1934-1937. <https://doi.org/10.1016/j.tsf.2011.09.041>

Heinonen S, Kannisto M, Nikkanen J-P, Huttunen-Saarivirta E, Karp M, Levänen E. **Photocatalytic and antibacterial properties of ZnO films with different surface topographies on stainless steel substrate.** *Thin Solid Films*. 2016 loka 1;616:842-849. <https://doi.org/10.1016/j.tsf.2016.10.002>

Heinonen S, Nikkanen J-P, Huttunen-Saarivirta E, Levänen E. **Investigation of long-term chemical stability of structured ZnO films in aqueous solutions of varying conditions.** *Thin Solid Films*. 2017 syys 30;638:410-419. <https://doi.org/10.1016/j.tsf.2017.07.055>

Heiskanen JP, Manninen VM, Pankov D, Omar WAE, Kastinen T, Hukka TI et al. **Aryl end-capped quaterthiophenes applied as anode interfacial layers in inverted organic solar cells.** *Thin Solid Films*. 2015 tammi 1;574:196-206. <https://doi.org/10.1016/j.tsf.2014.12.007>

Heyda J, Kožíšek M, Bednárova L, Thompson G, Konvalinka J, Vondrášek J et al. **Urea and guanidinium induced denaturation of a Trp-cage miniprotein.** *Journal of Physical Chemistry Part B*. 2011 heinä 21;115(28):8910-8924. <https://doi.org/10.1021/jp200790h>

Hilka J, Koivusalo E, Puustinen J, Suomalainen S, Guina M. **Epitaxial phases of high Bi content GaSbBi alloys.** *Journal of Crystal Growth*. 2019 kesä 15;516:67-71. <https://doi.org/10.1016/j.jcrysgro.2019.03.028>

Hladilkova J, Prokop Z, Chaloupkova R, Damborsky J, Jungwirth P. **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 marras 21;117(46):14329-14335. <https://doi.org/10.1021/jp409040u>

Hladílková J, Fischer HE, Jungwirth P, Mason PE. **Hydration of hydroxyl and amino groups examined by molecular dynamics and neutron scattering.** *Journal of Physical Chemistry Part B*. 2015 touko 28;119(21):6357-6365. <https://doi.org/10.1021/jp510528u>

Hongisto M, Veber A, Boetti NG, Danto S, Jubera V, Petit L. **Transparent Yb<sup>3+</sup> doped phosphate glass-ceramics.** *Ceramics International*. 2020 tammi 1. <https://doi.org/10.1016/j.ceramint.2020.01.121>

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

Hyysalo A, Ristola M, Joki T, Honkanen M, Vippola M, Narkilahti S. **Aligned Poly( $\epsilon$ -caprolactone) Nanofibers Guide the Orientation and Migration of Human Pluripotent Stem Cell-Derived Neurons, Astrocytes, and Oligodendrocyte Precursor Cells In Vitro.** *MACROMOLECULAR BIOSCIENCE*. 2017;17(7). 1600517. <https://doi.org/10.1002/mabi.201600517>

Isakov M, Matikainen V, Koivuluoto H, May M. **Systematic analysis of coating-substrate interactions in the presence of flow localization.** *Surface and Coatings Technology*. 2017 syys 15;324:264-280. <https://doi.org/10.1016/j.surfcoat.2017.05.040>

Isoniemi T, Tuukkanen S, Cameron DC, Simonen J, Toppari JJ. **Measuring optical anisotropy in poly(3,4-ethylene dioxythiophene): poly(styrene sulfonate) films with added graphene.** *Organic Electronics*. 2015 heinä 9;25:317-323. <https://doi.org/10.1016/j.orgel.2015.06.037>, <https://doi.org/10.1016/j.orgel.2015.06.037>

Isotahdon E, Huttunen-Saarivirta E, Heinonen S, Kuokkala VT, Paju M. **Corrosion mechanisms of sintered Nd-Fe-B magnets in the presence of water as vapour, pressurised vapour and liquid.** *Journal of Alloys and Compounds*. 2015 maal 25;626:349-359. <https://doi.org/10.1016/j.jallcom.2014.12.048>

Isotahdon E, Huttunen-Saarivirta E, Kuokkala V. **Characterization of the microstructure and corrosion performance of Ce-alloyed Nd-Fe-B magnets.** *Journal of Alloys and Compounds*. 2017 tammi;692:190-197. <https://doi.org/10.1016/j.jallcom.2016.09.058>

Janka L, Norpoth J, Trache R, Berger LM. **Influence of heat treatment on the abrasive wear resistance of a Cr<sub>3</sub>C<sub>2</sub>NiCr coating deposited by an ethene-fuelled HVOF spray process.** *Surface and Coatings Technology*. 2016 huhti 15;291:444-451. <https://doi.org/10.1016/j.surfcoat.2016.02.066>

Janka L, Norpoth J, Trache R, Thiele S, Berger LM. **HVOF- and HVOF-Sprayed Cr<sub>3</sub>C<sub>2</sub>-NiCr Coatings Deposited from Feedstock Powders of Spherical Morphology: Microstructure Formation and High-Stress Abrasive Wear Resistance Up to 800 °C.** Journal of Thermal Spray Technology. 2017;26(7):1720–1731. <https://doi.org/10.1007/s11666-017-0621-y>

Janka L, Berger LM, Norpoth J, Trache R, Thiele S, Tomastik C et al. **Improving the high temperature abrasion resistance of thermally sprayed Cr<sub>3</sub>C<sub>2</sub>-NiCr coatings by WC addition.** Surface and Coatings Technology. 2018 maaliskuu 15;337:296-305. <https://doi.org/10.1016/j.surfcoat.2018.01.035>

Jarnstrom L, Johansson K, Kuusipalo J, Jonsson L. **Active packaging by paper coating.** julkaisussa 14th TAPPI Advanced Coating Symposium 2016. TAPPI Press. 2016. s. 88-92

Javanainen M, Melcrová A, Magarkar A, Jurkiewicz P, Hof M, Jungwirth P 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>

Javanainen M, Ollila OHS, Martinez-Seara H. **Rotational Diffusion of Membrane Proteins in Crowded Membranes.** Journal of Physical Chemistry B. 2020 huhti 16;124(15):2994-3001. <https://doi.org/10.1021/acs.jpcc.0c00884>

Jönkkäri I, Poliakova V, Mylläri V, Anderson R, Andersson M, Vuorinen J. **Compounding and characterization of recycled multilayer plastic films.** Journal of Applied Polymer Science. 2020. e49101. <https://doi.org/10.1002/app.49101>

Joost U, Sutka A, Oja M, Smits K, Doebelin N, Loot A et al. **Reversible photodoping of TiO<sub>2</sub> nanoparticles.** Chemistry of Materials. 2018 joulukuu 26;30(24):8968-8974. <https://doi.org/10.1021/acs.chemmater.8b04813>

Juoksukangas J, Hintikka J, Lehtovaara A, Mäntylä A, Vaara J, Frondelius T. **Avoiding the initial adhesive friction peak in fretting.** Wear. 2020 marraskuu 15;460-461. 203353. <https://doi.org/10.1016/j.wear.2020.203353>

Kaksonen AH, Särkijärvi S, Puhakka JA, Peuraniemi E, Junnikkala S, Tuovinen OH. **Chemical and bacterial leaching of metals from a smelter slag in acid solutions.** Hydrometallurgy. 2016;159:46-53. <https://doi.org/10.1016/j.hydromet.2015.10.032>

Kaksonen AH, Boxall NJ, Gumulya Y, Khaleque HN, Morris C, Bohu T et al. **Recent progress in biohydrometallurgy and microbial characterisation.** Hydrometallurgy. 2018 syyskuu 1;180:7-25. <https://doi.org/10.1016/j.hydromet.2018.06.018>

Kalimeri M, Rahaman O, Melchionna S, Sterpone F. **How conformational flexibility stabilizes the hyperthermophilic elongation factor G-domain.** Journal of Physical Chemistry Part B. 2013 marraskuu 7;117(44):13775-13785. <https://doi.org/10.1021/jp407078z>

Kalimeri M, Derreumaux P, Sterpone F. **Are coarse-grained models apt to detect protein thermal stability? the case of OPEP force field.** Journal of Non-Crystalline Solids. 2015 tammi 1;407:494-501. <https://doi.org/10.1016/j.jnoncrysol.2014.07.005>

Kanerva U, Suhonen T, Lagerbom J, Levänen E. **Evaluation of crushing strength of spray-dried MgAl<sub>2</sub>O<sub>4</sub> granule beds.** Ceramics International. 2015 elokuu 1;41(7):8494-8500. <https://doi.org/10.1016/j.ceramint.2015.03.056>

Kanerva U, Karhu M, Lagerbom J, Kronlöf A, Honkanen M, Turunen E et al. **Chemical synthesis of WC-Co from water-soluble precursors: The effect of carbon and cobalt additions to WC synthesis.** International Journal of Refractory Metals and Hard Materials. 2016 huhti 1;56:69-75. <https://doi.org/10.1016/j.ijrmhm.2015.11.014>

Kanerva M, Puolakka A, Takala TM, Elert AM, Mylläri V, Jönkkäri I et al. **Antibacterial polymer fibres by rosin compounding and melt-spinning.** Materials Today Communications. 2019 syyskuu;20. 100527. <https://doi.org/10.1016/j.mtcomm.2019.05.003>

Kapgate BP, Das C, Das A, Basu D, Wiessner S, Reuter U 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 elo 10;133(30). 43717. <https://doi.org/10.1002/app.43717>

Kapgate BP, Das C, Basu D, Das A, Heinrich G, Reuter U. **Effect of silane integrated sol-gel derived in situ silica on the properties of nitrile rubber.** Journal of Applied Polymer Science. 2014 elo 5;131(15). 40531. <https://doi.org/10.1002/app.40531>

Kapgate BP, Das C, Das A, Basu D, Reuter U, Heinrich G. **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 syys;63(3):501-509. <https://doi.org/10.1007/s10971-012-2812-9>

Karhu M, Lagerbom J, Solismaa S, Honkanen M, Ismailov A, Räsänen ML et al. **Mining tailings as raw materials for reaction-sintered aluminosilicate ceramics: Effect of mineralogical composition on microstructure and properties.** Ceramics International. 2019 maalisk;45(4):4840-4848. <https://doi.org/10.1016/j.ceramint.2018.11.180>

Karhu M, Lagerbom J, Honkanen M, Huttunen-Saarivirta E, Kiilakoski J, Vuoristo P et al. **Mining tailings as a raw material for glass-bonded thermally sprayed ceramic coatings: Microstructure and properties.** Journal of the European Ceramic Society. 2020;40(12):4111-4121. <https://doi.org/10.1016/j.jeurceramsoc.2020.04.038>

Karilainen T, Timr Š, Vattulainen I, Jungwirth P. **Oxidation of cholesterol does not alter significantly its uptake into high-density lipoprotein particles.** Journal of Physical Chemistry Part B. 2015 huhti 2;119(13):4594-4600. <https://doi.org/10.1021/acs.jpcc.5b00240>

Karvinen J, Joki T, Ylä-Outinen L, Koivisto JT, Narkilahti S, Kellomäki M. **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 maalisk 1;124:29-39. <https://doi.org/10.1016/j.reactfunctpolym.2017.12.019>

Katava M, Kalimeri M, Stirnemann G, Sterpone F. **Stability and Function at High Temperature. What Makes a Thermophilic GTPase Different from Its Mesophilic Homologue.** Journal of Physical Chemistry Part B. 2016 maalisk 17;120(10):2721-2730. <https://doi.org/10.1021/acs.jpcc.6b00306>

Kaunisto K, Kotilainen M, Karhu M, Lagerbom J, Vuorinen T, Honkanen M et al. **The effect of carbon and nickel additions on the precursor synthesis of Cr<sub>3</sub>C<sub>2</sub>-Ni nanopowder.** Ceramics International. 2018 kesä 1;44(8):9338-9346. <https://doi.org/10.1016/j.ceramint.2018.02.146>

Khan MN, Tjong V, Chilkoti A, Zharnikov M. **Spectroscopic study of a DNA brush synthesized in situ by surface initiated enzymatic polymerization.** Journal of Physical Chemistry Part B. 2013 elo 29;117(34):9929-9938. <https://doi.org/10.1021/jp404774x>

Khvorost TA, Beliaev LY, Potalueva E, Laptchenkova AV, Selyutin AA, Bogachev NA et al. **Ultrafast Photochemistry of the [Cr(NCS)<sub>6</sub>]<sup>3-</sup> Complex in Dimethyl Sulfoxide and Dimethylformamide upon Excitation into Ligand-Field Electronic State.** Journal of Physical Chemistry B. 2020;124(18):3724-3733. <https://doi.org/10.1021/acs.jpcc.0c00088>

Kiilakoski J, Lindroos M, Apostol M, Koivuluoto H, Kuokkala V-T, Vuoristo P. **Characterization of High-Velocity Single Particle Impacts on Plasma-Sprayed Ceramic Coatings.** Journal of Thermal Spray Technology. 2016 kesä 24;25:1127-1137. <https://doi.org/10.1007/s11666-016-0428-2>

Kiilakoski J, Musalek R, Lukac F, Koivuluoto H, Vuoristo P. **Evaluating the toughness of APS and HVOF-sprayed Al<sub>2</sub>O<sub>3</sub>-ZrO<sub>2</sub>-coatings by in-situ- and macroscopic bending.** Journal of the European Ceramic Society. 2018;38(4):1908-1918. <https://doi.org/10.1016/j.jeurceramsoc.2017.11.056>

Kiilakoski J, Langlade C, Koivuluoto H, Vuoristo P. **Characterizing the micro-impact fatigue behavior of APS and HVOF-sprayed ceramic coatings.** Surface and Coatings Technology. 2019 elo 15;371:245-254. <https://doi.org/10.1016/j.surfcoat.2018.10.097>

Kiilakoski J, Puranen J, Heinonen E, Koivuluoto H, Vuoristo P. **Characterization of Powder-Precursor HVOF-Sprayed Al<sub>2</sub>O<sub>3</sub>-YSZ/ZrO<sub>2</sub> Coatings.** Journal of Thermal Spray Technology. 2019 tammi;28(1-2):98-107. <https://doi.org/10.1007/s11666-018-0816-x>

Kiilakoski J, Trache R, Björklund S, Joshi S, Vuoristo P. **Process Parameter Impact on Suspension-HVOF-Sprayed Cr<sub>2</sub>O<sub>3</sub> Coatings.** Journal of Thermal Spray Technology. 2019. <https://doi.org/10.1007/s11666-019-00940-7>

Kohagen M, Mason PE, Jungwirth P. **Accurate description of calcium solvation in concentrated aqueous solutions.** Journal of Physical Chemistry Part B. 2014 heinä 17;118(28):7902-7909. <https://doi.org/10.1021/jp5005693>

Koivuluoto H, Matikainen V, Larjo J, Vuoristo P. **Novel Online Diagnostic Analysis for In-Flight Particle Properties in Cold Spraying.** Journal of Thermal Spray Technology. 2018;27(3):423-432. <https://doi.org/10.1007/s11666-018-0685-3>

Koivuluoto H, Larjo J, Marini D, Pulci G, Marra F. **Cold-Sprayed Al6061 coatings: Online spray monitoring and influence of process parameters on coating properties.** Coatings. 2020;10(4). 348. <https://doi.org/10.3390/coatings10040348>

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

Kulig W, Agmon N. **Both zundel and eigen isomers contribute to the IR spectrum of the gas-phase H9O4 + cluster.** Journal of Physical Chemistry Part B. 2014 tammi 9;118(1):278-286. <https://doi.org/10.1021/jp410446d>

Kuzmin MG, Soboleva IV, Durandin NA, Lisitsyna ES, Kuzmin VA. **Microphase mechanism of "superquenching" of luminescent probes in aqueous solutions of DNA and some other polyelectrolytes.** Journal of Physical Chemistry Part B. 2014 huhti 17;118(15):4245-4252. <https://doi.org/10.1021/jp500713q>

Kwolek U, Kulig W, Wydro P, Nowakowska M, Róg T, Kepczynski M. **Effect of Phosphatidic Acid on Biomembrane: Experimental and Molecular Dynamics Simulations Study.** Journal of Physical Chemistry Part B. 2015 elo 6;119(31):10042-10051. <https://doi.org/10.1021/acs.jpcc.5b03604>

Lagerbom J, Ritvonen T, Suhonen T, Varis T. **Gas atomized thermal spray powders of various metals and alloys.** julkaisussa Proceedings of the Euro International Powder Metallurgy Congress and Exhibition, Euro PM 2011. Vuosikerta 2. European Powder Metallurgy Association (EPMA). 2011

Lahti J, Lavonen J, Lahtinen K, Johansson P, Seppänen T, Cameron DC. **Improved properties for packaging materials by nanoscale surface modification and ALD barrier coating.** julkaisussa TAPPI International Conference on Nanotechnology for Renewable Materials 2016. Vuosikerta 2. TAPPI Press. 2016. s. 684-706

Le HH, Parsaker M, Sriharish MN, Henning S, Menzel M, Wießner S et al. **Effect of rubber polarity on selective wetting of carbon nanotubes in ternary blends.** Express Polymer Letters. 2015 marras 1;9(11):960-971. <https://doi.org/10.3144/expresspolymlett.2015.87>

Le HH, Parsekar M, Ilisch S, Henning S, Das A, Stöckelhuber KW 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>

Lehmusto J, Olin M, Viljanen J, Kalliokoski J, Mylläri F, Toivonen J et al. **Detection of gaseous species during KCl-induced high-temperature corrosion by the means of CPFAAS and CI-API-TOF.** Materials and Corrosion. 2019 elo 30. <https://doi.org/10.1002/maco.201910964>



Lehtonen J, Koivuluoto H, Ge Y, Juselius A, Hannula SP. **Cold gas spraying of a high-entropy CrFeNiMn equiatomic alloy**. *Coatings*. 2020;10(1). 53. <https://doi.org/10.3390/coatings10010053>

Lindgren M, Suihkonen R, Vuorinen J. **Erosive wear of various stainless steel grades used as impeller blade materials in high temperature aqueous slurry**. *Wear*. 2015 huhti 5;328-329:391-400. <https://doi.org/10.1016/j.wear.2015.03.014>

Lindgren M, Siljander S, Suihkonen R, Pohjanne P, Vuorinen J. **Erosion–corrosion resistance of various stainless steel grades in high-temperature sulfuric acid solution**. *Wear*. 2016 loka 15;364-365:10-21. <https://doi.org/10.1016/j.wear.2016.06.007>

Lindgren M, Santa-aho S, Vippola M. **Barkhausen noise response of three different welded duplex stainless steels**. *Insight*. 2016 syys 1;58(9):480-486. <https://doi.org/10.1784/insi.2016.58.9.480>

Lindroos M, Ratia V, Apostol M, Valtonen K, Laukkanen A, Molnar W et al. **The effect of impact conditions on the wear and deformation behavior of wear resistant steels**. *Wear*. 2015 huhti 5;328-329:197-205. <https://doi.org/10.1016/j.wear.2015.02.032>

Lisitsyna ES, Ketola T-M, Morin-Picardat E, Liang H, Hanzlíková M, Urtti A 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 joulu 7;121(48):10782-10792. <https://doi.org/10.1021/acs.jpcc.7b08394>

Lopez-Iscoa P, Petit L, Massera J, Janner D, Boetti NG, Pugliese D et al. **Effect of the addition of Al<sub>2</sub>O<sub>3</sub>, TiO<sub>2</sub> and ZnO on the thermal, structural and luminescence properties of Er<sup>3+</sup>-doped phosphate glasses**. *Journal of Non-Crystalline Solids*. 2017 maaliskuu 15;460:161-168. <https://doi.org/10.1016/j.jnoncrysol.2017.01.030>

Lopez-Iscoa P, Ojha N, Pugliese D, Mishra A, Gumenyuk R, Boetti NG et al. **Design, processing, and characterization of an optical core-bioactive clad phosphate fiber for biomedical applications**. *JOURNAL OF THE AMERICAN CERAMIC SOCIETY*. 2019. <https://doi.org/10.1111/jace.16553>

Ma L, Melander M, Weckman T, Lipasti S, Laasonen K, Akola J. **DFT simulations and microkinetic modelling of 1-pentyne hydrogenation on Cu<sub>20</sub> model catalysts**. *Journal of Molecular Graphics and Modelling*. 2016 huhti 1;65:61-70. <https://doi.org/10.1016/j.jmgs.2016.02.007>

Magarkar A, Parkkila P, Viitala T, Lajunen T, Mobarak E, Licari G et al. **Membrane bound COMT isoform is an interfacial enzyme: General mechanism and new drug design paradigm**. *Chemical Communications*. 2018 huhti 11;54(28):3440-3443. <https://doi.org/10.1039/c8cc00221e>

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

Mahmood N, Khan AU, Stöckelhuber KW, Das A, Jehnichen D, Heinrich G. **Carbon nanotubes-filled thermoplastic polyurethane-urea and carboxylated acrylonitrile butadiene rubber blend nanocomposites**. *Journal of Applied Polymer Science*. 2014 kesä 5;131(11). <https://doi.org/10.1002/app.40341>

Mäkinen J, Vehanen A, Hautojärvi P, Huomo H, Lahtinen J, Nieminen RM et al. **Vacancy-type defect distributions near argon sputtered Al(100) surface studied by variable-energy positrons and molecular dynamics simulations**. *Surface Science*. 1986 syys 2;175(2):385-414. [https://doi.org/10.1016/0039-6028\(86\)90242-6](https://doi.org/10.1016/0039-6028(86)90242-6)

Manea LR, Cramariuc B, Popescu V, Cramariuc R, Sandu I, Cramariuc O. **Equipment for obtaining polymeric nanofibres by electrospinning technology: II. The obtaining of polymeric nanofibers**. *Materiale Plastice*. 2015 kesä 1;52(2):180-185.

Mason PE, Wernersson E, Jungwirth P. **Accurate description of aqueous carbonate ions: An effective polarization model verified by neutron scattering.** Journal of Physical Chemistry Part B. 2012 heinä 19;116(28):8145-8153. <https://doi.org/10.1021/jp3008267>

Massera J, Gaussiran M, Gluchowski P, Lastusaari M, Hupa L, Petit L. **Processing and characterization of phosphate glasses containing CaAl<sub>2</sub>O<sub>4</sub>:Eu<sup>2+</sup>,Nd<sup>3+</sup> and SrAl<sub>2</sub>O<sub>4</sub>:Eu<sup>2+</sup>,Dy<sup>3+</sup> microparticles.** Journal of the European Ceramic Society. 2015 marras 1;35(14):3863-3871. <https://doi.org/10.1016/j.jeurceramsoc.2015.06.031>

Massera J, Fagerlund S, Hupa L, Hupa M. **Crystallization mechanism of the bioactive glasses, 45S5 and S53P4.** JOURNAL OF THE AMERICAN CERAMIC SOCIETY. 2012 helmi;95(2):607-613. <https://doi.org/10.1111/j.1551-2916.2011.05012.x>

Matikainen V, Bolelli G, Koivuluoto H, Sassatelli P, Lusvarghi L, Vuoristo P. **Sliding wear behaviour of HVOF and HVAF sprayed Cr<sub>3</sub>C<sub>2</sub>-based coatings.** Wear. 2017;388-389:57-71. <https://doi.org/10.1016/j.wear.2017.04.001>

Matikainen V, Bolelli G, Koivuluoto H, Honkanen M, Vippola M, Lusvarghi L et al. **A Study of Cr<sub>3</sub>C<sub>2</sub>-Based HVOF- and HVAF-Sprayed Coatings: Microstructure and Carbide Retention.** Journal of Thermal Spray Technology. 2017 elo;26(6):1-18. <https://doi.org/10.1007/s11666-017-0578-x>

Matikainen V, Koivuluoto H, Vuoristo P, Schubert J, Houdková. **Effect of nozzle geometry on the microstructure and properties of hvaf-sprayed wc-10co4cr and cr3c2-25nicr coatings.** Journal of Thermal Spray Technology. 2018 huhti 1;27(4):680-694. <https://doi.org/10.1007/s11666-018-0717-z>

Matikainen V, Rubio Peregrina S, Ojala N, Koivuluoto H, Schubert J, Houdková et al. **Erosion wear performance of WC-10Co4Cr and Cr<sub>3</sub>C<sub>2</sub>-25NiCr coatings sprayed with high-velocity thermal spray processes.** Surface and Coatings Technology. 2019 heinä 25;370:196-212. <https://doi.org/10.1016/j.surfcoat.2019.04.067>

Matikainen V, Koivuluoto H, Vuoristo P. **A study of Cr<sub>3</sub>C<sub>2</sub>-based HVOF- and HVAF-sprayed coatings: Abrasion, dry particle erosion and cavitation erosion resistance.** Wear. 2020 huhti 15;446-447. 203188. <https://doi.org/10.1016/j.wear.2020.203188>

Melcr J, Martinez-Seara H, Nencini R, Kolafa J, Jungwirth P, Ollila OHS. **Accurate Binding of Sodium and Calcium to a POPC Bilayer by Effective Inclusion of Electronic Polarization.** Journal of Physical Chemistry B. 2018 huhti 26;122(16):4546-4557. <https://doi.org/10.1021/acs.jpcc.7b12510>

Mentink M, Salmi T. **Quench absorption coils: A quench protection concept for high-field superconducting accelerator magnets.** Superconductor Science and Technology. 2017 touko 3;30(6). 064002. <https://doi.org/10.1088/1361-6668/aa6678>

Mereuta A, Nechay K, Caliman A, Suruceanu G, Rudra A, Gallo P et al. **Flip-chip Wafer-fused OP-VECSELs emitting 3.65 W at the 1.55- $\mu$ m waveband.** IEEE Journal of Selected Topics in Quantum Electronics. 2019;25(6). <https://doi.org/10.1109/JSTQE.2019.2922819>

Milani R, Houbenov N, Fernandez-Palacio F, Cavallo G, Luzio A, Haataja J et al. **Hierarchical Self-Assembly of Halogen-Bonded Block Copolymer Complexes into Upright Cylindrical Domains.** Chem. 2017 maaliskuu 9;2(3):417-426. <https://doi.org/10.1016/j.chempr.2017.02.003>

Milanti A, Koivuluoto H, Vuoristo P. **Influence of the Spray Gun Type on Microstructure and Properties of HVAF Sprayed Fe-Based Corrosion Resistant Coatings.** Journal of Thermal Spray Technology. 2015;24(7):1312-1322. <https://doi.org/10.1007/s11666-015-0298-z>

Milanti A, Matikainen V, Koivuluoto H, Bolelli G, Lusvarghi L, Vuoristo P. **Effect of spraying parameters on the microstructural and corrosion properties of HVAF-sprayed Fe-Cr-Ni-B-C coatings.** Surface and Coatings Technology. 2015 syys 15;277:81-90. <https://doi.org/10.1016/j.surfcoat.2015.07.018>

Milanti A, Matikainen V, Bolelli G, Koivuluoto H, Lusvarghi L, Vuoristo P. **Microstructure and Sliding Wear Behavior of Fe-Based Coatings Manufactured with HVOF and HVAF Thermal Spray Processes.** Journal of Thermal Spray Technology. 2016 kesä;25(5):1040–1055. <https://doi.org/10.1007/s11666-016-0410-z>

Mohanty AK, Ghosh A, Sawai P, Pareek K, Banerjee S, Das A et al. **Electromagnetic interference shielding effectiveness of MWCNT filled poly(ether sulfone) and poly(ether imide) nanocomposites.** Polymer Engineering and Science. 2014 marras 1;54(11):2560-2570. <https://doi.org/10.1002/pen.23804>

Morandi A, Ainslie MD, Grilli F, Stenvall A. **The 5th international workshop on numerical modelling of high temperature superconductors.** Superconductor Science and Technology. 2017;30(8). 080201. <https://doi.org/10.1088/1361-6668/aa7676>

Mylläri V, Ruoko TP, Järvelä P. **The effects of UV irradiation to polyetheretherketone fibres: Characterization by different techniques.** Polymer Degradation and Stability. 2014;109:278-284. <https://doi.org/10.1016/j.polymdegradstab.2014.08.003>

Mylläri V, Fatarella E, Ruzzante M, Pogni R, Baratto MC, Skrifvars M et al. **Production of sulfonated polyetheretherketone/polypropylene fibers for photoactive textiles.** Journal of Applied Polymer Science. 2015 loka 1;132(39). 42595. <https://doi.org/10.1002/app.42595>

Mylläri V, Ruoko T-P, Syrjälä S. **A comparison of rheology and FTIR in the study of polypropylene and polystyrene photodegradation.** Journal of Applied Polymer Science. 2015 heinä 1;132(28). 42246. <https://doi.org/10.1002/app.42246>

Mylläri V, Ruoko T-P, Vuorinen J, Lemmetyinen H. **Characterization of thermally aged polyetheretherketone fibres: Mechanical, thermal, rheological and chemical property changes.** Polymer Degradation and Stability. 2015 loka 1;120:419-426. <https://doi.org/10.1016/j.polymdegradstab.2015.08.003>

Mylläri V, Hartikainen S, Poliakova V, Anderson R, Jönkkäri I, Pasanen P et al. **Detergent impurity effect on recycled HDPE: Properties after repetitive processing.** Journal of Applied Polymer Science. 2016 elo 15;133(31). 43766. <https://doi.org/10.1002/app.43766>

Niittymäki M, Lahti K, Suhonen T, Metsäjoki J. **Dielectric Breakdown Strength of Thermally Sprayed Ceramic Coatings: Effects of Different Test Arrangements.** Journal of Thermal Spray Technology. 2015;24(3):542-551. <https://doi.org/10.1007/s11666-014-0211-1>

Nommeots-Nomm A, Boetti NG, Salminen T, Massera J, Hokka M, Petit L. **Luminescence of Er<sup>3+</sup> doped oxyfluoride phosphate glasses and glass-ceramics.** Journal of Alloys and Compounds. 2018 kesä 30;751:224-230. <https://doi.org/10.1016/j.jallcom.2018.04.101>

Nugteren JV, Kirby G, Bajas H, Bajko M, Ballarino A, Bottura L et al. **Powering of an HTS dipole insert-magnet operated standalone in helium gas between 5 and 85 K.** Superconductor Science and Technology. 2018 huhti 25;31(6). 065002. <https://doi.org/10.1088/1361-6668/aab887>

Ojala N, Valtonen K, Heino V, Kallio M, Aaltonen J, Siitonen P et al. **Effects of composition and microstructure on the abrasive wear performance of quenched wear resistant steels.** Wear. 2014 syys 15;317(1-2):225-232. <https://doi.org/10.1016/j.wear.2014.06.003>

Ojha N, Laihinne T, Salminen T, Lastusaari M, Petit L. **Influence of the phosphate glass melt on the corrosion of functional particles occurring during the preparation of glass-ceramics.** Ceramics International. 2018 kesä;44(10):11807-11811. <https://doi.org/10.1016/j.ceramint.2018.03.267>

Ojha N, Bogdan M, Galatus R, Petit L. **Effect of heat-treatment on the upconversion of NaYF<sub>4</sub>:Yb<sup>3+</sup>, Er<sup>3+</sup> nanocrystals containing silver phosphate glass.** Journal of Non-Crystalline Solids. 2020 syys 15;544. 120243. <https://doi.org/10.1016/j.jnoncrsol.2020.120243>

Ojuva A, Järveläinen M, Bauer M, Keskinen L, Valkonen M, Akhtar F et al. **Mechanical performance and CO<sub>2</sub> uptake of ion-exchanged zeolite A structured by freeze-casting.** Journal of the European Ceramic Society. 2015;35(9):2607-2618. <https://doi.org/10.1016/j.jeurceramsoc.2015.03.001>

Oksa M, Varis T, Ruusuvuori K. **Performance testing of iron based thermally sprayed HVOF coatings in a biomass-fired fluidised bed boiler.** Surface and Coatings Technology. 2014 heinä 25;251:191-200. <https://doi.org/10.1016/j.surfcoat.2014.04.025>

Oksa M, Tuurna S, Varis T. **Increased lifetime for biomass and waste to energy power plant boilers with HVOF coatings: High temperature corrosion testing under chlorine-containing molten salt.** Journal of Thermal Spray Technology. 2013 kesä;22(5):783-796. <https://doi.org/10.1007/s11666-013-9928-5>

Oksanen V, Valtonen K, Andersson P, Vaajoki A, Laukkanen A, Holmberg K et al. **Comparison of laboratory rolling-sliding wear tests with in-service wear of nodular cast iron rollers against wire ropes.** Wear. 2015 loka 15;340-341:73-81. <https://doi.org/10.1016/j.wear.2015.07.006>

Oksanen VT, Lehtovaara AJ, Kallio MH. **Load capacity of lubricated bismuth bronze bimetal bearing under elliptical sliding motion.** Wear. 2017;388-389:72-80. <https://doi.org/10.1016/j.wear.2017.05.001>

Orowski A, Kukkurainen S, Pöyry A, Rissanen S, Vattulainen I, Hytönen VP et al. **PIP2 and Talin Join Forces to Activate Integrin.** Journal of Physical Chemistry Part B. 2015 syys 24;119(38):12381-12389. <https://doi.org/10.1021/acs.jpcc.5b06457>

Pale V, Nikkonen T, Vapaavuori J, Kostianen M, Kavakka J, Selin J et al. **Biomimetic zinc chlorin-poly(4-vinylpyridine) assemblies: Doping level dependent emission-absorption regimes.** Journal of Materials Chemistry C. 2013 maaliskuu 21;1(11):2166-2173. <https://doi.org/10.1039/c3tc00499f>

Palivec V, Pluhařová E, Unger I, Winter B, Jungwirth P. **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 joulu 4;118(48):13833-13837. <https://doi.org/10.1021/jp5111086>

Palola S, Vuorinen J, Noordermeer JWM, Sarlin E. **Development in additive methods in aramid fiber surface modification to increase fiber-matrix adhesion: A review.** Coatings. 2020 kesä 1;10(6). 556. <https://doi.org/10.3390/COATINGS10060556>

Passananti M, Zapadinsky E, Zanca T, Kangasluoma J, Myllys N, Rissanen MP et al. **How well can we predict cluster fragmentation inside a mass spectrometer?** Chemical Communications. 2019;55(42):5946-5949. <https://doi.org/10.1039/c9cc02896j>

Paterová J, Rembert KB, Heyda J, Kurra Y, Okur HI, Liu WR et al. **Reversal of the Hofmeister series: Specific ion effects on peptides.** Journal of Physical Chemistry Part B. 2013 heinä 11;117(27):8150-8158. <https://doi.org/10.1021/jp405683s>

Pitkänen H, Alatalo M, Puisto A, Ropo M, Kokko K, Vitos L. **Ab initio study of the surface properties of austenitic stainless steel alloys.** Surface Science. 2013 maaliskuu;609:190-194. <https://doi.org/10.1016/j.susc.2012.12.007>

Pluhařová E, Ončák M, Seidel R, Schroeder C, Schroeder W, Winter B 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 marras 8;116(44):13254-13264. <https://doi.org/10.1021/jp306348b>

Pluhařová E, Jungwirth P, Bradforth SE, Slavíček P. **Ionization of purine tautomers in nucleobases, nucleosides, and nucleotides: From the gas phase to the aqueous environment.** Journal of Physical Chemistry Part B. 2011 helmi 10;115(5):1294-1305. <https://doi.org/10.1021/jp110388v>

Poikelispää M, Shakun A, Das A, Vuorinen J. **Improvement of actuation performance of dielectric elastomers by barium titanate and carbon black fillers**. Journal of Applied Polymer Science. 2016 marras 10;133(42). 44116. <https://doi.org/10.1002/app.44116>

Poikelispää M, Shakun A, Sarlin E, Das A, Vuorinen J. **Vegetable fillers for electric stimuli responsive elastomers**. Journal of Applied Polymer Science. 2017 heinä 20;134(28). 45081. <https://doi.org/10.1002/app.45081>

Poikelispää M, Ruokangas S, Honkanen M, Vippola M, Sarlin E. **Phase-change material: Natural rubber composites for heat storage applications**. Rubber Chemistry and Technology. 2020;93(1):208-221. <https://doi.org/10.5254/rct.19.81468>

Poikelispää M, Honkanen M, Vippola M, Sarlin E. **Effect of carbon nanotubes and nanodiamonds on the heat storage ability of natural rubber composites**. Journal of Elastomers and Plastics. 2020. <https://doi.org/10.1177/0095244320933977>

Poutanen M, Ikkala O, Priimägi A. **Structurally Controlled Dynamics in Azobenzene-Based Supramolecular Self-Assemblies in Solid State**. Macromolecules. 2016 kesä 14;49(11):4095-4101. <https://doi.org/10.1021/acs.macromol.6b00562>

Poutanen M, Ahmed Z, Rautkari L, Ikkala O, Priimägi A. **Thermal Isomerization of Hydroxyazobenzenes as a Platform for Vapor Sensing**. ACS Macro Letters. 2018 maaliskuu 20;7(3):381-386. <https://doi.org/10.1021/acsmacrolett.8b00093>

Prando GA, Orsi Gordo V, Puustinen J, Hilska J, Alghamdi HM, Som G et al. **Exciton localization and structural disorder of GaAs<sub>1-x</sub>Bi<sub>x</sub>/GaAs quantum wells grown by molecular beam epitaxy on (311)B GaAs substrates**. Semiconductor Science and Technology. 2018 heinä 17;33(8). 084002. <https://doi.org/10.1088/1361-6641/aad02e>

Priimägi A, Barrett CJ, Shishido A. **Recent twists in photoactuation and photoalignment control**. Journal of Materials Chemistry C. 2014 syys 21;2(35):7155-7162. <https://doi.org/10.1039/c4tc01236d>

Priimägi A, Shevchenko A. **Azopolymer-based micro- and nanopatterning for photonic applications**. Journal of Polymer Science. Part B, Polymer Physics. 2014 helmi 1;52(3):163-182. <https://doi.org/10.1002/polb.23390>

Priimägi A, Shimamura A, Kondo M, Hiraoka T, Kubo S, Mamiya JI 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>

Puustinen J, Hilska J, Guina M. **Analysis of GaAsBi growth regimes in high resolution with respect to As/Ga ratio using stationary MBE growth**. Journal of Crystal Growth. 2019 huhti 1;511:33-41. <https://doi.org/10.1016/j.jcrysgro.2019.01.010>

Rahaman O, Kalimeri M, Melchionna S, Hénin J, Sterpone F. **Role of Internal Water on Protein Thermal Stability: The Case of Homologous G Domains**. Journal of Physical Chemistry Part B. 2015 heinä 23;119(29):8939-8949. <https://doi.org/10.1021/jp507571u>

Rahaman O, Kalimeri M, Katava M, Paciaroni A, Sterpone F. **Configurational Disorder of Water Hydrogen-Bond Network at the Protein Dynamical Transition**. Journal of Physical Chemistry Part B. 2017 heinä 20;121(28):6792-6798. <https://doi.org/10.1021/acs.jpcc.7b03888>

Rajan R, Rainosalu E, Thomas SP, Ramamoorthy SK, Zavašnik J, Vuorinen J 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>

Rajan R, Rainosalu E, Ramamoorthy SK, Thomas SP, Zavašnik J, Vuorinen J et al. **Mechanical, thermal, and burning properties of viscose fabric composites: Influence of epoxy resin modification**. Journal of Applied Polymer Science. 2018 syys 20;135(36). 46673. <https://doi.org/10.1002/app.46673>

Rantala TT, Rosén A, Hellsing B. **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)

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

Rasappa S, Borah D, Senthamaraiannan R, Faulkner CC, Shaw MT, Gleeson P et al. **Block copolymer lithography: Feature size control and extension by an over-etch technique**. *Thin Solid Films*. 2012 marras 1;522:318-323. <https://doi.org/10.1016/j.tsf.2012.09.017>

Reyes G, Borghei M, King AWT, Lahti J, Rojas OJ. **Solvent Welding and Imprinting Cellulose Nanofiber Films Using Ionic Liquids**. *Biomacromolecules*. 2019 tammi 14;20(1):502-514. <https://doi.org/10.1021/acs.biomac.8b01554>

Robison AD, Sun S, Poyton MF, Johnson GA, Pellois JP, Jungwirth P et al. **Polyarginine Interacts More Strongly and Cooperatively than Polylysine with Phospholipid Bilayers**. *Journal of Physical Chemistry Part B*. 2016 syys 8;120(35):9287-9296. <https://doi.org/10.1021/acs.jpcc.6b05604>

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

Rooj S, Das A, Heinrich G. **Preintercalation of an organic accelerator into nanogalleries and preparation of ethylene propylene diene terpolymer rubber-clay nanocomposites**. *POLYMER JOURNAL*. 2011 maaliskuu;43(3):285-292. <https://doi.org/10.1038/pj.2010.132>

Ruuskanen J, Stenvall A, Lahtinen V, Pardo E. **Electromagnetic nonlinearities in a Roebel-cable-based accelerator magnet prototype: Variational approach**. *Superconductor Science and Technology*. 2017 helmi 1;30(2). 024008. <https://doi.org/10.1088/1361-6668/30/2/024008>

Ruuskanen J, Stenvall A, Lahtinen V, Nugteren JV, Kirby G, Murtomäki J. **Modelling thermodynamics in a high erature superconducting dipole magnet: An inverse problem based approach**. *Superconductor Science and Technology*. 2019 elo 2;32(9). 094007. <https://doi.org/10.1088/1361-6668/ab2bc9>

Saarikoski E, Rissanen M, Seppälä J. **Effect of rheological properties of dissolved cellulose/microfibrillated cellulose blend suspensions on film forming**. *Carbohydrate Polymers*. 2015 maaliskuu 30;119:62-70. <https://doi.org/10.1016/j.carbpol.2014.11.033>

Saarimaa V, Kaleva A, Nikkanen J-P, Heinonen S, Levänen E, Väisänen P et al. **Supercritical carbon dioxide treatment of hot dip galvanized steel as a surface treatment before coating**. *Surface and Coatings Technology*. 2017 joulukuu 15;331:137-142. <https://doi.org/10.1016/j.surfcoat.2017.10.047>

Saarimaa V, Kaleva A, Paunikallio T, Nikkanen J-P, Heinonen S, Levänen E 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>

Saarimaa V, Fuertes N, Persson D, Zavalis T, Kaleva A, Nikkanen J-P et al. **Assessment of pitting corrosion in bare and passivated (wet scCO<sub>2</sub>-induced patination and chemical passivation) hot-dip galvanized steel samples with SVET, FTIR, and SEM (EDS)**. *Materials and Corrosion*. 2020. <https://doi.org/10.1002/maco.202011653>

Saarinen M, Nommeots-Nomm A, Hokka M, Laurila J, Norrbo I, Lastusaari M et al. **Persistent luminescent particles containing bioactive glasses: Prospect toward tracking in-vivo implant mineralization using biophotonic ceramics**. *Journal of the European Ceramic Society*. 2018;38(1):287-295. <https://doi.org/10.1016/j.jeurceramsoc.2017.08.024>

Saccone M, Dichiarante V, Forni A, Goulet-Hanssens A, Cavallo G, Vapaavuori J et al. **Supramolecular hierarchy among halogen and hydrogen bond donors in light-induced surface patterning.** Journal of Materials Chemistry C. 2015 tammi 28;3:759-768. <https://doi.org/10.1039/c4tc02315c>

Saccone M, Siiskonen A, Fernandez-Palacio F, Priimägi A, Terraneo G, Resnati G et al. **Halogen bonding stabilizes a cis-azobenzene derivative in the solid state: A crystallographic study.** ACTA CRYSTALLOGRAPHICA SECTION B : STRUCTURAL SCIENCE, CRYSTAL ENGINEERING AND MATERIALS. 2017 huhti 1;73(2):227-233. <https://doi.org/10.1107/S2052520617003444>

Saccone M, Kuntze K, Ahmed Z, Siiskonen A, Giese M, Priimägi A. **Ortho-Fluorination of azophenols increases the mesophase stability of photoresponsive hydrogen-bonded liquid crystals.** Journal of Materials Chemistry C. 2018 tammi 1;6(37):9958-9963. <https://doi.org/10.1039/c8tc02611d>

Salpavaara T, Järveläinen M, Seppälä S, Yli-Hallila T, Verho J, Vilkkö M et al. **Passive resonance sensor based method for monitoring particle suspensions.** Sensors and Actuators B: Chemical. 2015 kesä 8;219:324-330. <https://doi.org/10.1016/j.snb.2015.04.121>

Salpavaara T, Hänninen A, Antniemi A, Lekkala J, Kellomäki M. **Non-destructive and wireless monitoring of biodegradable polymers.** Sensors and Actuators B: Chemical. 2017;251:1018-1025. <https://doi.org/10.1016/j.snb.2017.05.116>

Salunke JK, Wong FL, Feron K, Manzhos S, Lo MF, Shinde D et al. **Phenothiazine and carbazole substituted pyrene based electroluminescent organic semiconductors for OLED devices.** Journal of Materials Chemistry C. 2016 helmi 7;4(5):1009-1018. <https://doi.org/10.1039/c5tc03690a>

Santangelo PE, Allesina G, Bolelli G, Lusvarghi L, Matikainen V, Vuoristo P. **Infrared Thermography as a Non-destructive Testing Solution for Thermal Spray Metal Coatings.** Journal of Thermal Spray Technology. 2017 joulu;26(8):1982-1993. <https://doi.org/10.1007/s11666-017-0642-6>

Sarcan F, Mutlu S, Cokduygulular E, Donmez O, Erol A, Puustinen J et al. **A study of electric transport in n- and p-type modulation-doped GaInNAs/GaAs quantum well structures under a high electric field.** Semiconductor Science and Technology. 2018 touko 4;33(6). 064003. <https://doi.org/10.1088/1361-6641/aabc39>

Sarjas H, Surzhenkov A, Juhani K, Antonov M, Adoberg E, Kulu P et al. **Abrasive-Erosive Wear of Thermally Sprayed Coatings from Experimental and Commercial Cr<sub>3</sub>C<sub>2</sub>-Based Powders.** Journal of Thermal Spray Technology. 2017;26(8):2020-2029. <https://doi.org/10.1007/s11666-017-0638-2>

Sarlin E, Saarimäki M, Sironen R, Lindgren M, Siljander S, Kanerva M et al. **Erosive wear of filled vinylester composites in water and acidic media at elevated temperature.** Wear. 2017 marras 15;390-391:84-92. <https://doi.org/10.1016/j.wear.2017.07.011>

Sassatelli P, Bolelli G, Lassinantti Gualtieri M, Heinonen E, Honkanen M, Lusvarghi L et al. **Properties of HVOF-sprayed Stellite-6 coatings.** Surface and Coatings Technology. 2018 maaliskuu 25;338:45-62. <https://doi.org/10.1016/j.surfcoat.2018.01.078>

Shakun A, Poikelispää M, Das A, Vuorinen J. **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>

Shakun A, Sarlin E, Vuorinen J. **Energy dissipation in natural rubber latex films: The effect of stabilizers, leaching and acetone-treatment.** Journal of Applied Polymer Science. 2020. <https://doi.org/10.1002/app.49609>

Sharma R, Bhalariao S, Gupta D. **Effect of incorporation of CdS NPs on performance of PTB7: PCBM organic solar cells.** Organic Electronics: physics, materials, applications. 2016 kesä 1;33:274-280. <https://doi.org/10.1016/j.orgel.2016.03.030>

Shin J, Cherstvy AG, Metzler R. **Polymer looping is controlled by macromolecular crowding, spatial confinement, and chain stiffness.** ACS Macro Letters. 2015 helmi 17;4(2):202-206. <https://doi.org/10.1021/mz500709w>

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

Soltani I, Hraiech S, Horchani-Naifer K, Massera J, Petit L, Férid M. **Thermal, structural and optical properties of Er<sup>3+</sup> doped phosphate glasses containing silver nanoparticles.** Journal of Non-Crystalline Solids. 2016 huhti 15;438:67-73. <https://doi.org/10.1016/j.jnoncrysol.2015.12.022>

Song X, Liu Z, Suhonen T, Varis T, Huang L, Zheng X et al. **Effect of melting state on the thermal shock resistance and thermal conductivity of APS ZrO<sub>2</sub>-7.5wt.% Y<sub>2</sub>O<sub>3</sub> coatings.** Surface and Coatings Technology. 2015 touko 25;270:132-138. <https://doi.org/10.1016/j.surfcoat.2015.03.011>

Song X, Suhonen T, Varis T, Huang L, Zheng X, Zeng Y. **Fabrication and Characterization of Amorphous Alumina-Yttria-Stabilized Zirconia Coatings by Air Plasma Spraying.** Journal of Thermal Spray Technology. 2014 marras 25;23(8):1302-1311. <https://doi.org/10.1007/s11666-014-0124-z>

Sorianello V, Colace L, Nardone M, Assanto G. **Thermally evaporated single-crystal Germanium on Silicon.** Thin Solid Films. 2011 syys 1;519(22):8037-8040. <https://doi.org/10.1016/j.tsf.2011.06.023>

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

Štěpánková V, Paterová J, Damborský J, Jungwirth P, Chaloupková R, Heyda J. **Cation-specific effects on enzymatic catalysis driven by interactions at the tunnel mouth.** Journal of Physical Chemistry Part B. 2013 touko 30;117(21):6394-6402. <https://doi.org/10.1021/jp401506v>

Stepien M, Chinga-Carrasco G, Saarinen JJ, Teisala H, Tuominen M, Haapanen J et al. **Abrasion and compression resistance of liquid-flame-spray-deposited functional nanoparticle coatings on paper.** julkaisussa 13th TAPPI Advanced Coating Fundamentals Symposium 2014. TAPPI Press. 2014. s. 68-82

Stumpel JE, Broer DJ, Schenning APHJ. **Stimuli-responsive photonic polymer coatings.** Chemical Communications. 2014 joulu 28;50(100):15839-15848. <https://doi.org/10.1039/c4cc05072j>

Subramaniam K, Das A, Stöckelhuber KW, Heinrich G. **Elastomer composites based on carbon nanotubes and ionic liquid.** Rubber Chemistry and Technology. 2013;86(3):367-400. <https://doi.org/10.5254/rct.13.86984>

Subramaniam K, Das A, Heinrich G. **Highly conducting polychloroprene composites based on multi-walled carbon nanotubes and 1-butyl 3-methyl imidazolium bis(trifluoromethylsulphonyl)imide.** KGK: KAUTSCHUK GUMMI KUNSTSTOFFE. 2012 heinä;65(7-8):44-46.

Subramaniam K, Das A, Häußler L, Harnisch C, Stöckelhuber KW, Heinrich G. **Enhanced thermal stability of polychloroprene rubber composites with ionic liquid modified MWCNTs.** Polymer Degradation and Stability. 2012 touko;97(5):776-785. <https://doi.org/10.1016/j.polymdegradstab.2012.02.001>

Suihkonen R, Lindgren M, Siljander S, Sarlin E, Vuorinen J. **Erosion wear of vinyl ester matrix composites in aqueous and acidic environments at elevated temperatures.** Wear. 2016 heinä 15;358-359:7-16. <https://doi.org/10.1016/j.wear.2016.03.026>



Sulonen MLK, Kokko ME, Lakaniemi A-M, Puhakka JA. **Simultaneous removal of tetrathionate and copper from simulated acidic mining water in bioelectrochemical and electrochemical systems.** *Hydrometallurgy*. 2018;176:129-138. <https://doi.org/10.1016/j.hydromet.2018.01.023>

Suokas E, Kuusipalo J. **Process time importance in the product properties evolution during extrusion coating of different LDPE grades.** julkaisussa 15th TAPPI Advanced Coating Fundamentals Symposium 2018: Charlotte; United States; 14 April 2018 through 15 April 2018. TAPPI Press. 2018. s. 151-159

Šutka A, Käämbre T, Joost U, Kooser K, Kook M, Duarte RF et al. **Solvothermal synthesis derived Co-Ga codoped ZnO diluted magnetic degenerated semiconductor nanocrystals.** *Journal of Alloys and Compounds*. 2018 syys 30;763:164-172. <https://doi.org/10.1016/j.jallcom.2018.05.036>

Szczodra A, Mardoukhi A, Hokka M, Boetti NG, Petit L. **Fluorine losses in Er<sup>3+</sup> oxyfluoride phosphate glasses and glass-ceramics.** *Journal of Alloys and Compounds*. 2019 elo 15;797:797-803. <https://doi.org/10.1016/j.jallcom.2019.05.151>

Tainio JM, Salazar DAA, Nommeots-Nomm A, Roiland C, Bureau B, Neuville DR et al. **Structure and in vitro dissolution of Mg and Sr containing borosilicate bioactive glasses for bone tissue engineering.** *Journal of Non-Crystalline Solids*. 2020 huhti 1;533. 119893. <https://doi.org/10.1016/j.jnoncrysol.2020.119893>

Takahashi H, Maruyama K, Karino Y, Morita A, Nakano M, Jungwirth P et al. **Energetic origin of proton affinity to the air/water interface.** *Journal of Physical Chemistry Part B*. 2011 huhti 28;115(16):4745-4751. <https://doi.org/10.1021/jp2015676>

Tan M, Feng Y, Wang H, Zhang L, Khan M, Guo J et al. **Immobilized bioactive agents onto polyurethane surface with heparin and phosphorylcholine group.** *Macromolecular Research*. 2013 touko;21(5):541-549. <https://doi.org/10.1007/s13233-013-1028-3>

Tawade BV, Salunke JK, Sane PS, Wadgaonkar PP. **Processable aromatic polyesters based on bisphenol derived from cashew nut shell liquid: synthesis and characterization.** *JOURNAL OF POLYMER RESEARCH*. 2014 marras 18;21(12). <https://doi.org/10.1007/s10965-014-0617-y>

Ter Schiphorst J, Coleman S, Stumpel JE, Ben Azouz A, Diamond D, Schenning APHJ. **Molecular Design of Light-Responsive Hydrogels, for in Situ Generation of Fast and Reversible Valves for Microfluidic Applications.** *Chemistry of Materials*. 2015 syys 8;27(17):5925-5931. <https://doi.org/10.1021/acs.chemmater.5b01860>

Thomann O, Pihlatie M, Rautanen M, Himanen O, Lagerbom J, Mäkinen M et al. **Development and application of HVOF sprayed spinel protective coating for SOFC interconnects.** *Journal of Thermal Spray Technology*. 2013 kesä;22(5):631-639. <https://doi.org/10.1007/s11666-012-9880-9>

Timr Š, Brabec J, Bondar A, Ryba T, Železný M, Lazar J 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 heinä 30;119(30):9706-9716. <https://doi.org/10.1021/acs.jpcc.5b05123>

Tkalich D, Li CC, Kane A, Saai A, Tkalich D, Yastrebov VA et al. **Wear of cemented tungsten carbide percussive drill-bit inserts: Laboratory and field study.** *Wear*. 2017 syys 15;386-387:106-117. <https://doi.org/10.1016/j.wear.2017.05.010>

Tukiainen A, Likonen J, Toikkanen L, Leinonen T. **Unintentional boron contamination of MBE-grown GaInP/AlGaInP quantum wells.** *Journal of Crystal Growth*. 2015 syys 1;425:60-63. <https://doi.org/10.1016/j.jcrysgro.2015.02.048>

Tuominen J, Näkki J, Pajukoski H, Hyvärinen L, Vuoristo P. **Microstructural and abrasion wear characteristics of laser-clad tool steel coatings.** *Surface Engineering*. 2016;32(12):923-933. <https://doi.org/10.1080/02670844.2016.1180496>

Tuurna S, Varis T, Penttilä K, Ruusuvoori K, Holmström S, Yli-Olli S. **Optimised selection of new protective coatings for biofuel boiler applications.** *Materials and Corrosion-Werkstoffe und Korrosion.* 2011 heinä;62(7):642-649. <https://doi.org/10.1002/maco.201005898>

Vaikuntam SR, Stöckelhuber KW, Subramani Bhagavatheswaran E, Wießner S, Scheler U, Saalwächter K et al. **Entrapped Styrene Butadiene Polymer Chains by Sol-Gel-Derived Silica Nanoparticles with Hierarchical Raspberry Structures.** *Journal of Physical Chemistry B.* 2018 helmi 15;122(6):2010-2022. <https://doi.org/10.1021/acs.jpcc.7b11792>

Välimäki H, Verho J, Kreutzer J, Kattiparambil Rajan D, Ryyänen T, Pekkanen-Mattila M et al. **Fluorimetric oxygen sensor with an efficient optical read-out for in vitro cell models.** *Sensors and Actuators B: Chemical.* 2017 loka 1;249:738-746. <https://doi.org/10.1016/j.snb.2017.04.182>

Valtonen K, Ojala N, Haiko O, Kuokkala V-T. **Comparison of various high-stress wear conditions and wear performance of martensitic steels.** *Wear.* 2019 huhti 30;426-427(Part A):3-13. <https://doi.org/10.1016/j.wear.2018.12.006>

Vapaavuori J, Heikkinen ITS, Dichiarante V, Resnati G, Metrangolo P, Sabat RG et al. **Photomechanical Energy Transfer to Photopassive Polymers through Hydrogen and Halogen Bonds.** *Macromolecules.* 2015 loka 27;48(20):7535-7542. <https://doi.org/10.1021/acs.macromol.5b01813>

Vapaavuori J, Grosrenaud J, Pellerin C, Bazuin CG. **In Situ Photocontrol of Block Copolymer Morphology during Dip-Coating of Thin Films.** *ACS Macro Letters.* 2015 loka 20;4(10):1158-1162. <https://doi.org/10.1021/acsmacrolett.5b00483>

Vapaavuori J, Mahimwalla Z, Chromik RR, Kaivola M, Priimagi A, Barrett CJ. **Nanoindentation study of light-induced softening of supramolecular and covalently functionalized azo polymers.** *Journal of Materials Chemistry C.* 2013 huhti 28;1(16):2806-2810. <https://doi.org/10.1039/c3tc30246f>

Vapaavuori J, Valtavirta V, Alasaarela T, Mamiya JI, Priimagi A, Shishido A et al. **Efficient surface structuring and photoalignment of supramolecular polymer-azobenzene complexes through rational chromophore design.** *Journal of Materials Chemistry.* 2011 loka 21;21(39):15437-15441. <https://doi.org/10.1039/c1jm12642c>

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

Varis T, Suhonen T, Calonius O, Čuban J, Pietola M. **Optimization of HVOF Cr<sub>3</sub>C<sub>2</sub>-NiCr coating for increased fatigue performance.** *Surface and Coatings Technology.* 2016 marras 15;305:123-131. <https://doi.org/10.1016/j.surfcoat.2016.08.012>

Varis T, Bankiewicz D, Yrjas P, Oksa M, Suhonen T, Tuurna S et al. **High temperature corrosion of thermally sprayed NiCr and FeCr coatings covered with a KCl-K<sub>2</sub>SO<sub>4</sub> salt mixture.** *Surface and Coatings Technology.* 2015 maaliskuu 15;265:235-243. <https://doi.org/10.1016/j.surfcoat.2014.11.012>

Varis T, Suhonen T, Ghabchi A, Valarezo A, Sampath S, Liu X et al. **Formation mechanisms, structure, and properties of HVOF-sprayed WC-CoCr coatings: An approach toward process maps.** *Journal of Thermal Spray Technology.* 2014;23(6):1009-1018. <https://doi.org/10.1007/s11666-014-0110-5>

Varis T, Suhonen T, Jokipii M, Vuoristo P. **Influence of powder properties on residual stresses formed in high-pressure liquid fuel HVOF sprayed WC-CoCr coatings.** *Surface and Coatings Technology.* 2020;388. 125604. <https://doi.org/10.1016/j.surfcoat.2020.125604>

Varis T, Suhonen T, Laakso J, Jokipii M, Vuoristo P. **Evaluation of Residual Stresses and Their Influence on Cavitation Erosion Resistance of High Kinetic HVOF and HVAF-Sprayed WC-CoCr Coatings.** *Journal of Thermal Spray Technology.* 2020. <https://doi.org/10.1007/s11666-020-01037-2>

Vazdar M, Jungwirth P, Mason PE. **Aqueous guanidinium-carbonate interactions by molecular dynamics and neutron scattering: Relevance to ion-protein interactions.** Journal of Physical Chemistry Part B. 2013 helmi 14;117(6):1844-1848. <https://doi.org/10.1021/jp310719g>

Vazdar M, Jurkiewicz P, Hof M, Jungwirth P, Cwiklik L. **Behavior of 4-hydroxynonenal in phospholipid membranes.** Journal of Physical Chemistry Part B. 2012 kesä 7;116(22):6411-6415. <https://doi.org/10.1021/jp3044219>

Vikholm-Lundin I, Auer S, Paakkunainen M, Määttä JAE, Munter T, Leppiniemi J et al. **Cysteine-tagged chimeric avidin forms high binding capacity layers directly on gold.** Sensors and Actuators B: Chemical. 2012 elo;171-172:440-448. <https://doi.org/10.1016/j.snb.2012.05.008>

Vikholm-Lundin I, Auer S, Hellgren AC. **Detection of 3,4-methylenedioxymethamphetamine (MDMA, ecstasy) by displacement of antibodies.** Sensors and Actuators B: Chemical. 2011 elo 10;156(1):28-34. <https://doi.org/10.1016/j.snb.2011.03.069>

Vuoristo P, Varis T, Meschini D, Bolelli G, Lusvarghi L. **Corrosion properties of thermally sprayed bond coatings under plasma sprayed chromia coating in sulfuric acid solutions.** julkaisussa Azarmi F, Lau Y, Veilleux J, Widener C, Toma F, Koivuluoto H, Balani K, Li H, Shinoda K, toimittajat, International Thermal Spray Conference and Exposition, ITSC 2019: New Waves of Thermal Spray Technology for Sustainable Growth. ASM International. 2019. s. 923-930. (Proceedings of the International Thermal Spray Conference).

Wang X, Vapaavuori J, Zhao Y, Bazuin CG. **A supramolecular approach to photoresponsive thermo/solvoplastic block copolymer elastomers.** Macromolecules. 2014 loka 28;47(20):7099-7108. <https://doi.org/10.1021/ma501278b>

Wani OM, Schenning APHJ, Priimagi A. **A bifacial colour-tunable system via combination of a cholesteric liquid crystal network and hydrogel.** Journal of Materials Chemistry C. 2020;8(30):10191-10196. <https://doi.org/10.1039/d0tc02189j>

Werner J, Wernersson E, Ekholm V, Ottosson N, Öhrwall G, Heyda J 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 kesä 26;118(25):7119-7127. <https://doi.org/10.1021/jp500867w>

Wernersson E, Heyda J, Vazdar M, Lund M, Mason PE, Jungwirth P. **Orientational dependence of the affinity of guanidinium ions to the water surface.** Journal of Physical Chemistry Part B. 2011 marras 3;115(43):12521-12526. <https://doi.org/10.1021/jp207499s>

Yi H, Albrecht M, Valkonen A, Rissanen K. **Perfluoro-1,1'-biphenyl and perfluoronaphthalene and their derivatives as  $\pi$ -acceptors for anions.** New Journal of Chemistry. 2015 tammi 1;39(1):746-749. <https://doi.org/10.1039/c4nj01654h>

Young DC, Tasior M, Laurent AD, Dobrzycki Ł, Cyrański MK, Tkachenko N et al. **Photostable orange-red fluorescent unsymmetrical diketopyrrolopyrrole-BF<sub>2</sub> hybrids.** Journal of Materials Chemistry C. 2020 huhti;8(23):7708-7717. <https://doi.org/10.1039/d0tc01202e>

Yury K, Filippov M, Makarov A, Malygina I, Soboleva N, Fantozzi D et al. **Arc-sprayed Fe-based coatings from coredwires for wear and corrosion protection in power engineering.** Coatings. 2018 helmi 1;8(2). 71. <https://doi.org/10.3390/coatings8020071>

Zorzi GK, Párraga JE, Seijo B, Sánchez A. **Hybrid nanoparticle design based on cationized gelatin and the polyanions dextran sulfate and chondroitin sulfate for ocular gene therapy.** MACROMOLECULAR BIOSCIENCE. 2011 heinä 7;11(7):905-913. <https://doi.org/10.1002/mabi.201100005>