Wani, Owies M., Albertus P. H. J. Schenning, ja Arri Priimagi. "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

Pitkänen, H. et al. "Ab initio study of the surface properties of austenitic stainless steel alloys". *Surcface Science*. 2013, 609. 190-194. https://doi.org/10.1016/j.susc.2012.12.007

Stepien, Milena et al. "Abrasion and compression resistance of liquid-flame-spray-deposited functional nanoparticle coatings on paper". *13th TAPPI Advanced Coating Fundamentals Symposium 2014*. TAPPI Press. 2014, 68-82.

Sarjas, Heikki et al. "Abrasive-Erosive Wear of Thermally Sprayed Coatings from Experimental and Commercial Cr_3C_2-Based Powders". *Journal of Thermal Spray Technology*. 2017, 26(8). 2020–2029. https://doi.org/10.1007/s11666-017-0638-2

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.jpcb.7b12510

Mason, Philip E., Erik Wernersson ja 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

Kohagen, Miriam, Philip E. Mason ja 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

Mylläri, Ville, Tero-Petri Ruoko, ja 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

Jarnstrom, Lars et al. "Active packaging by paper coating". *14th TAPPI Advanced Coating Symposium 2016*. TAPPI Press. 2016, 88-92.

Arvani, Maedeh et al. "Additive manufacturing of monolithic supercapacitors with biopolymer separator". *Journal of Applied Electrochemistry*. 2020, 50(6). 689-697. https://doi.org/10.1007/s10800-020-01423-2

Rantala, T. T., A. Rosén ja B. Hellsing. "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

Hyysalo, Anu et al. "Aligned Poly(ε-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). https://doi.org/10.1002/mabi.201600517

Puustinen, J., J. Hilska, ja 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

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

Kanerva, M. et al. "Antibacterial polymer fibres by rosin compounding and melt-spinning". *Materials Today Communications*. 2019. 20. https://doi.org/10.1016/j.mtcomm.2019.05.003

Vazdar, Mario, Pavel Jungwirth ja 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

Yury, Korobov et al. "Arc-sprayed Fe-based coatings from coredwires for wear and corrosion protection in power engineering". *Coatings*. 2018. 8(2). https://doi.org/10.3390/coatings8020071

Kalimeri, Maria, Philippe Derreumaux ja Fabio Sterpone. "Are coarse-grained models apt to detect protein thermal stability? the case of OPEP force field". *Journal of Non-Crystalline Solids*. 2015, 407. 494-501. https://doi.org/10.1016/j.jnoncrysol.2014.07.005

Heiskanen, J. P. et al. "Aryl end-capped quaterthiophenes applied as anode interfacial layers in inverted organic solar cells". *Thin Solid Films*. 2015, 574. 196-206. https://doi.org/10.1016/j.tsf.2014.12.007

Saarimaa, Ville et al. "Assessment of pitting corrosion in bare and passivated (wet $scCO_2$-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

Matikainen, V., H. Koivuluoto, ja P. Vuoristo. "A study of Cr_3C_2-based HVOF- and HVAF-sprayed coatings: Abrasion, dry particle erosion and cavitation erosion resistance". *Wear*. 2020. 446-447. https://doi.org/10.1016/j.wear.2020.203188

Matikainen, V. et al. "A Study of Cr_3C_2-Based HVOF- and HVAF-Sprayed Coatings: Microstructure and Carbide Retention". *Journal of Thermal Spray Technology*. 2017, 26(6). 1-18. https://doi.org/10.1007/s11666-017-0578-x

Sarcan, F. 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. 33(6). https://doi.org/10.1088/1361-6641/aabc39

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

Juoksukangas, Janne et al. "Avoiding the initial adhesive friction peak in fretting". *Wear*. 2020. 460-461. https://doi.org/10.1016/j.wear.2020.203353

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

Priimagi, Arri ja 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

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

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

Glorieux, Benoit et al. "Better understanding of the role of SiO_2, P_2O_5 and Al_2O_3 on the spectroscopic properties of Yb^{3+} doped silica sol-gel glasses". *Journal of Non-Crystalline Solids*. 2018, 482. 46-51. https://doi.org/10.1016/j.jnoncrysol.2017.12.021

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

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

Rasappa, Sozaraj et al. "Block copolymer lithography: Feature size control and extension by an over-etch technique". *Thin Solid Films*. 2012, 522. 318-323. https://doi.org/10.1016/j.tsf.2012.09.017

Kulig, Waldemar ja 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

Koivusaari, K. Jarmo, Tapio T. Rantala ja Seppo Leppävuori. "Calculated electronic density of states and structural properties of tetrahedral amorphous carbon". *Diamond and Related Materials*. 2000, 9(3). 736-740. https://doi.org/10.1016/S0925-9635(99)00286-1

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

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

Haiko, Oskari et al. "Characteristics of carbide-free medium-carbon bainitic steels in high-stress abrasive wear conditions" . *Wear*. 2020. 456-457. https://doi.org/10.1016/j.wear.2020.203386

Kiilakoski, Jarkko et al. "Characterization of High-Velocity Single Particle Impacts on Plasma-Sprayed Ceramic Coatings". *Journal of Thermal Spray Technology*. 2016, 25. 1127-1137. https://doi.org/10.1007/s11666-016-0428-2

Kiilakoski, Jarkko et al. "Characterization of Powder-Precursor HVOF-Sprayed Al_2O_3-YSZ/ZrO_2 Coatings". *Journal of Thermal Spray Technology*. 2019, 28(1-2). 98-107. https://doi.org/10.1007/s11666-018-0816-x

Isotahdon, Elisa, Elina Huttunen-Saarivirta, ja Veli Kuokkala. "Characterization of the microstructure and corrosion performance of Ce-alloyed Nd-Fe-B magnets". *Journal of Alloys and Compounds*. 2017, 692. 190-197. https://doi.org/10.1016/j.jallcom.2016.09.058

Mylläri, Ville et al. "Characterization of thermally aged polyetheretherketone fibres: Mechanical, thermal, rheological and chemical property changes". *Polymer Degradation and Stability*. 2015, 120. 419-426. https://doi.org/10.1016/j.polymdegradstab.2015.08.003

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

Kaksonen, Anna H. et al. "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

Kanerva, Ulla 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, 56. 69-75. https://doi.org/10.1016/j.ijrmhm.2015.11.014

Lehtonen, Joonas et al. "Cold gas spraying of a high-entropy CrFeNiMn equiatomic alloy". *Coatings*. 2020. 10(1). https://doi.org/10.3390/coatings10010053

Koivuluoto, Heli et al. "Cold-Sprayed Al6061 coatings: Online spray monitoring and influence of process parameters on coating properties". *Coatings*. 2020. 10(4). https://doi.org/10.3390/coatings10040348

Oksanen, V. et al. "Comparison of laboratory rolling-sliding wear tests with in-service wear of nodular cast iron rollers against wire ropes". *Wear*. 2015, 340-341. 73-81. https://doi.org/10.1016/j.wear.2015.07.006

Valtonen, Kati et al. "Comparison of various high-stress wear conditions and wear performance of martensitic steels". *Wear*. 2019, 426-427(Part A). 3-13. https://doi.org/10.1016/j.wear.2018.12.006

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

Jönkkäri, Ilari et al. "Compounding and characterization of recycled multilayer plastic films". *Journal of Applied Polymer Science*. 2020. https://doi.org/10.1002/app.49101

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.jpcb.7b03888

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

Isotahdon, E. et al. "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, 626. 349-359. https://doi.org/10.1016/j.jallcom.2014.12.048

Vuoristo, Petri et al. "Corrosion properties of thermally sprayed bond coatings under plasma sprayed chromia coating in sulfuric acid solutions"., Azarmi, F., Lau, Y., Veilleux, J., Widener, C. Toma, F. Koivuluoto, H. Balani, K. Li, H. Shinoda, K. (toimittaneet). *International Thermal Spray Conference and Exposition, ITSC 2019: New Waves of Thermal Spray Technology for Sustainable Growth.* Proceedings of the International Thermal Spray Conference. ASM International. 2019, 923-930.

Massera, Jonathan et al. "Crystallization mechanism of the bioactive glasses, 45S5 and S53P4". *JOURNAL OF THE AMERICAN CERAMIC SOCIETY*. 2012, 95(2). 607-613. https://doi.org/10.1111/j.1551-2916.2011.05012.x

Vikholm-Lundin, Inger et al. "Cysteine-tagged chimeric avidin forms high binding capacity layers directly on gold". *Sensors and Actuators B: Chemical*. 2012, 171-172. 440-448. https://doi.org/10.1016/j.snb.2012.05.008

Ghabchi, Arash et al. "Damage mechanisms and cracking behavior of thermal sprayed WC-CoCr coating under scratch testing". *Wear*. 2014, 313(1-2). 97-105. https://doi.org/10.1016/j.wear.2014.02.017

Lopez-Iscoa, Pablo 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

Vikholm-Lundin, Inger, Sanna Auer ja Ann Charlotte Hellgren. "Detection of 3,4-methylenedioxymethamphetamine (MDMA, ecstasy) by displacement of antibodies". *Sensors and Actuators B: Chemical*. 2011, 156(1). 28-34. https://doi.org/10.1016/j.snb.2011.03.069

Lehmusto, Juho 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. https://doi.org/10.1002/maco.201910964

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

Thomann, O. et al. "Development and application of HVOF sprayed spinel protective coating for SOFC interconnects". *Journal of Thermal Spray Technology*. 2013, 22(5). 631-639. https://doi.org/10.1007/s11666-012-9880-9

Palola, Sarianna et al. "Development in additive methods in aramid fiber surface modification to increase fiber-matrix adhesion: A review". *Coatings*. 2020. 10(6). https://doi.org/10.3390/COATINGS10060556

Ma, Li et al. "DFT simulations and microkinetic modelling of 1-pentyne hydrogenation on Cu_{20} model catalysts". *Journal of Molecular Graphics and Modelling*. 2016, 65. 61-70. https://doi.org/10.1016/j.jmgm.2016.02.007

Niittymäki, Minna et al. "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

Hupa, Leena et al. "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

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

Poikelispää, Minna et al. "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

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

Ojha, N. et al. "Effect of heat-treatment on the upconversion of $NaYF_4$:Yb^{3+}, Er^{3+} nanocrystals containing silver phosphate glass". *Journal of Non-Crystalline Solids*. 2020. 544. https://doi.org/10.1016/j.jnoncrysol.2020.120243

Sharma, Ramakant, Sagar Bhalerao ja 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

Song, Xuemei et al. "Effect of melting state on the thermal shock resistance and thermal conductivity of APS ZrO_2-7.5wt.% Y_2O_3 coatings". *Surface and Coatings Technology*. 2015, 270. 132-138. https://doi.org/10.1016/j.surfcoat.2015.03.011

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

Matikainen, V. et al. "Effect of nozzle geometry on the microstructure and properties of hvaf-sprayed wc-10co4cr and cr3c2-25nicr coatings". *Journal of Thermal Spray Technology*. 2018, 27(4). 680-694. https://doi.org/10.1007/s11666-018-0717-z

Kwolek, 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.jpcb.5b03604

Haiko, Oskari et al. "Effect of prior austenite grain size on the abrasive wear resistance of ultra-high strength martensitic steels". *Wear*. 2020. 454-455. https://doi.org/10.1016/j.wear.2020.203336

Saarikoski, Eve, Marja Rissanen ja 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

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

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

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

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

Diban, Nazely et al. "Effect of surface morphology of poly(ïµ-caprolactone) scaffolds on adipose stem cell adhesion and proliferation". *Macromolecular symposia*. 2013, 334(1). 126-132. https://doi.org/10.1002/masy.201300106

Haiko, Oskari et al. "Effect of tempering on the impact-abrasive and abrasive wear resistance of ultra-high strength steels" . *Wear*. 2019. 440-441. https://doi.org/10.1016/j.wear.2019.203098

Lopez-Iscoa, Pablo et al. "Effect of the addition of Al_2O_3, TiO_2 and ZnO on the thermal, structural and luminescence properties of Er^{3+}-doped phosphate glasses". *Journal of Non-Crystalline Solids*. 2017, 460. 161-168. https://doi.org/10.1016/j.jnoncrysol.2017.01.030

Ojala, Niko et al. "Effects of composition and microstructure on the abrasive wear performance of quenched wear resistant steels". *Wear*. 2014, 317(1-2). 225-232. https://doi.org/10.1016/j.wear.2014.06.003

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

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

Subramaniam, Kalaivani et al. "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

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

Ruuskanen, J. et al. "Electromagnetic nonlinearities in a Roebel-cable-based accelerator magnet prototype: Variational approach". *Superconductor Science and Technology*. 2017. 30(2). https://doi.org/10.1088/1361-6668/30/2/024008

Donmez, O. 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). https://doi.org/10.1088/1361-6641/ab5d8d

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

Shakun, Alexandra, Essi Sarlin, ja Jyrki Vuorinen. "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

Subramaniam, Kalaivani et al. "Enhanced thermal stability of polychloroprene rubber composites with ionic liquid modified MWCNTs". *Polymer Degradation and Stability*. 2012, 97(5). 776-785. https://doi.org/10.1016/j.polymdegradstab.2012.02.001

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.jpcb.7b11792

Hilska, 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

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

Lindgren, M. et al. "Erosion–corrosion resistance of various stainless steel grades in high-temperature sulfuric acid solution". *Wear*. 2016, 364-365. 10-21. https://doi.org/10.1016/j.wear.2016.06.007

Suihkonen, Reija et al. "Erosion wear of vinylester matrix composites in aqueous and acidic environments at elevated temperatures". *Wear*. 2016, 358-359. 7-16. https://doi.org/10.1016/j.wear.2016.03.026

Matikainen, V. et al. "Erosion wear performance of WC-10Co4Cr and Cr_3C_2-25NiCr 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

Sarlin, Essi et al. "Erosive wear of filled vinylester composites in water and acidic media at elevated temperature". *Wear*. 2017, 390-391. 84-92. https://doi.org/10.1016/j.wear.2017.07.011

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

Kiilakoski, J. et al. "Evaluating the toughness of APS and HVOF-sprayed Al_2O_3-ZrO_2-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

Kanerva, Ulla et al. "Evaluation of crushing strength of spray-dried MgAl2O4 granule beds". *Ceramics International*. 2015, 41(7). 8494-8500. https://doi.org/10.1016/j.ceramint.2015.03.056

Varis, Tommi et al. "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

Prando, G. A. et al. "Exciton localization and structural disorder of $GaAs_{1-x}Bi_x$/GaAs quantum wells grown by molecular beam epitaxy on (311)B GaAs substrates". *Semiconductor Science and Technology*. 2018. 33(8). https://doi.org/10.1088/1361-6641/aad02e

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

Song, Xuemei et al. "Fabrication and Characterization of Amorphous Alumina-Yttria-Stabilized Zirconia Coatings by Air Plasma Spraying". *Journal of Thermal Spray Technology*. 2014, 23(8). 1302-1311. https://doi.org/10.1007/s11666-014-0124-z

Dongho-Nguimdo, G. M. et al. "First principles prediction of the solar cell efficiency of chalcopyrite materials $AgMX_2$ (M=In, Al; X=S, Se, Te)". *Computational Condensed Matter*. 2019. 21. https://doi.org/10.1016/j.cocom.2019.e00391

Mereuta, Alexandru et al. "Flip-chip Wafer-fused OP-VECSELs emitting 3.65 W at the 1.55-μm waveband". *IEEE Journal of Selected Topics in Quantum Electronics*. 2019. 25(6). https://doi.org/10.1109/JSTQE.2019.2922819

Välimäki, Hannu et al. "Fluorimetric oxygen sensor with an efficient optical read-out for in vitro cell models". *Sensors and Actuators B: Chemical*. 2017, 249. 738-746. https://doi.org/10.1016/j.snb.2017.04.182

Szczodra, A. et al. "Fluorine losses in Er^{3+}oxyfluoride phosphate glasses and glass-ceramics". *Journal of Alloys and Compounds*. 2019, 797. 797-803. https://doi.org/10.1016/j.jallcom.2019.05.151

Varis, T. 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

Lagerbom, Juha et al. "Gas atomized thermal spray powders of various metals and alloys". *Proceedings of the Euro International Powder Metallurgy Congress and Exhibition, Euro PM 2011*. European Powder Metallurgy Association (EPMA). 2011.

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.jpcb.5b10404

Saccone, Marco 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, 73(2). 227-233. https://doi.org/10.1107/S2052520617003444

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

Subramaniam, Kalaivani, Amit Das ja Gert Heinrich. "Highly conducting polychloroprene composites based on multi-walled carbon nanotubes and 1-butyl 3-methyl imidazolium bis(trifluoromethylsulphonyl)imide". *KGK: KAUTSCHUK GUMMI KUNSTSTOFFE*. 2012, 65(7-8). 44-46.

Rooj, 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

Bhagavatheswaran, Eshwaran Subramani et al. "High-performance elastomeric strain sensors based on nanostructured carbon fillers for potential tire applications". *Materials Today Communications*. 2018, 14. 240-248. https://doi.org/10.1016/j.mtcomm.2018.01.013

Varis, T. et al. "High temperature corrosion of thermally sprayed NiCr and FeCr coatings covered with a KCl-K_2SO_4 salt mixture". *Surface and Coatings Technology*. 2015, 265. 235-243. https://doi.org/10.1016/j.surfcoat.2014.11.012

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

Passananti, Monica 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

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

Janka, L. et al. "HVOF- and HVAF-Sprayed Cr_3C_2-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

Ghabchi, A. et al. "HVOF process control enabling strategies". *International Thermal Spray Conference and Exposition, ITSC 2012 - Air, Land, Water and the Human Body: Thermal Spray Science and Applications.* ASM International. 2012, 465-471.

Zorzi, Giovanni Konat et al. "Hybrid nanoparticle design based on cationized gelatin and the polyanions dextran sulfate and chondroitin sulfate for ocular gene therapy". *MACROMOLECULAR BIOSCIENCE*. 2011, 11(7). 905-913. https://doi.org/10.1002/mabi.201100005

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

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

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

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

Lahti, Johanna et al. "Improved properties for packaging materials by nanoscale surface modification and ALD barrier coating". *TAPPI International Conference on Nanotechnology for Renewable Materials 2016.* TAPPI Press. 2016, 684-706.

Hannula, Markku et al. "Improved Stability of Atomic Layer Deposited Amorphous TiO_2 Photoelectrode Coatings by Thermally Induced Oxygen Defects". *Chemistry of Materials*. 2018, 30(4). 1199-1208. https://doi.org/10.1021/acs.chemmater.7b02938

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

Janka, Leo et al. "Improving the high temperature abrasion resistance of thermally sprayed Cr_3C_2-NiCr coatings by WC addition". *Surface and Coatings Technology*. 2018, 337. 296-305. https://doi.org/10.1016/j.surfcoat.2018.01.035

Oksa, Maria, Satu Tuurna, ja Tommi Varis. "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, 22(5). 783-796. https://doi.org/10.1007/s11666-013-9928-5

Janka, Leo et al. "Influence of heat treatment on the abrasive wear resistance of a Cr_3C_2NiCr 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

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

Varis, Tommi et al. "Influence of powder properties on residual stresses formed in high-pressure liquid fuel HVOF sprayed WC-CoCr coatings". *Surface and Coatings Technology*. 2020. 388. https://doi.org/10.1016/j.surfcoat.2020.125604

Ojha, N. et al. "Influence of the phosphate glass melt on the corrosion of functional particles occurring during the preparation of glass-ceramics". *Ceramics International*. 2018, 44(10). 11807-11811. https://doi.org/10.1016/j.ceramint.2018.03.267

Milanti, A., H. Koivuluoto, ja P. Vuoristo. "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

Santangelo, Paolo E. et al. "Infrared Thermography as a Non-destructive Testing Solution for Thermal Spray Metal Coatings". *Journal of Thermal Spray Technology*. 2017, 26(8). 1982–1993. https://doi.org/10.1007/s11666-017-0642-6

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

Heinonen, Saara et al. "Investigation of long-term chemical stability of structured ZnO films in aqueous solutions of varying conditions". *Thin Solid Films*. 2017, 638. 410-419. https://doi.org/10.1016/j.tsf.2017.07.055

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

Oksanen, V. T., A. J. Lehtovaara ja M. H. Kallio. "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

Haußmann, Lukas et al. "Local Mechanical Properties at the Dendrite Scale of Ni-Based Superalloys Studied by Advanced High Temperature Indentation Creep and Micropillar Compression Tests"., Tin, Sammy, Hardy, Mark, Clews, Justin ja Cormier, Jonathan Feng, Qiang Marcin, John O'Brien, Chris Suzuki, Akane (toimittaneet). *Superalloys 2020: Proceedings of the 14th International Symposium on Superalloys.* The Minerals, Metals and Materials Series. Springer. 2020, 273-281. https://doi.org/10.1007/978-3-030-51834-9_26

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

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

Donadei, Valentina et al. "Lubricated icephobic coatings prepared by flame spraying with hybrid feedstock injection". *Surface and Coatings Technology*. 2020. 403. https://doi.org/10.1016/j.surfcoat.2020.126396

Nommeots-Nomm, A. et al. "Luminescence of Er^{3+} doped oxyfluoride phosphate glasses and glass-ceramics". *Journal of Alloys and Compounds*. 2018, 751. 224-230. https://doi.org/10.1016/j.jallcom.2018.04.101

Isoniemi, Tommi et al. "Measuring optical anisotropy in poly(3,4-ethylene dioxythiophene): 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

Barberi, Jacopo et al. "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

Ojuva, Arto et al. "Mechanical performance and CO2 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

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

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

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

Tuominen, J. et al. "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

Milanti, A. et al. "Microstructure and Sliding Wear Behavior of Fe-Based Coatings Manufactured with HVOF and HVAF Thermal Spray Processes". *Journal of Thermal Spray Technology*. 2016, 25(5). 1040–1055. https://doi.org/10.1007/s11666-016-0410-z

Karhu, Marjaana 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

Karhu, Marjaana et al. "Mining tailings as raw materials for reaction-sintered aluminosilicate ceramics: Effect of mineralogical composition on microstructure and properties". *Ceramics International*. 2019, 45(4). 4840-4848. https://doi.org/10.1016/j.ceramint.2018.11.180

Ruuskanen, J. et al. "Modelling thermodynamics in a high erature superconducting dipole magnet: An inverse problem based approach". *Superconductor Science and Technology*. 2019. 32(9). https://doi.org/10.1088/1361-6668/ab2bc9

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

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

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

Debnath, Subhas Ch et al. "Naturally occurring amino acids: A suitable substitute of N-N/-di-phenyl guanidine (DPG) in silica tyre formulation?". *KGK: KAUTSCHUK GUMMI KUNSTSTOFFE*. 2013, 66(1-2). 25-31.

Cemlyn, Ben et al. "Near-threshold high spin amplification in a 1300 nm GaInNAs spin laser". *Semiconductor Science and Technology*. 2018. 33(9). https://doi.org/10.1088/1361-6641/aad42e

Salpavaara, Timo et al. "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

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.jpcb.5b05123

Del Cerro, Paloma Roldán et al. "Novel borosilicate bioactive scaffolds with persistent luminescence". *Biomedical Glasses* . 2020, 6(1). 1-9. https://doi.org/10.1515/bglass-2020-0001

Koivuluoto, Heli et al. "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

Cui, S. et al. "Novel oxyfluorophosphate glasses and glass-ceramics". *Journal of Non-Crystalline Solids*. 2016, 445-446. 40-44. https://doi.org/10.1016/j.jnoncrysol.2016.05.005

Gunes, M. et al. "Optical properties of $GaAs_{1-x}Bi_x$/GaAs quantum well structures grown by molecular beam epitaxy on (100) and (311)B GaAs substrates". *Semiconductor Science and Technology*. 2018. 33(12). https://doi.org/10.1088/1361-6641/aaea2e

Tuurna, S. et al. "Optimised selection of new protective coatings for biofuel boiler applications". *Materials and Corrosion-Werkstoffe und Korrosion*. 2011, 62(7). 642-649. https://doi.org/10.1002/maco.201005898

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

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

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

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.jpcb.5b00240

Christophliemk, Hanna et al. "Oxygen and water vapor transmission rates of starch-poly(vinyl alcohol) barrier coatings for flexible packaging paper". *Progress in Organic Coatings*. 2017, 113. 218-224. https://doi.org/10.1016/j.porgcoat.2017.04.019

Salpavaara, Timo et al. "Passive resonance sensor based method for monitoring particle suspensions". *Sensors and Actuators B: Chemical*. 2015, 219. 324-330. https://doi.org/10.1016/j.snb.2015.04.121

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.jpcb.5b01351

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

Oksa, Maria, Tommi Varis ja 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

Saarinen, 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

Poikelispää, Minna et al. "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

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

Heinonen, Saara et al. "Photocatalytic and antibacterial properties of ZnO films with different surface topographies on stainless steel substrate". *Thin Solid Films*. 2016, 616. 842-849. https://doi.org/10.1016/j.tsf.2016.10.002

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

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

Young, David C. et al. "Photostable orange-red fluorescent unsymmetrical diketopyrrolopyrrole-BF_2hybrids". *Journal of Materials Chemistry C*. 2020, 8(23). 7708-7717. https://doi.org/10.1039/d0tc01202e

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.jpcb.5b06457

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.jpcb.6b05604

Shin, Jaeoh, Andrey G. Cherstvy ja 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

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

Bomberg, Malin et al. "Post operation inactivation of acidophilic bioleaching microorganisms using natural chloride-rich mine water". *Hydrometallurgy*. 2018, 180. 236-245. https://doi.org/10.1016/j.hydromet.2018.06.013

Nugteren, J. Van et al. "Powering of an HTS dipole insert-magnet operated standalone in helium gas between 5 and 85 K" . *Superconductor Science and Technology*. 2018. 31(6). https://doi.org/10.1088/1361-6668/aab887

Donmez, O. et al. "Power loss mechanisms in n-type modulation-doped AlGaAs/GaAsBi quantum well heterostructures". *Semiconductor Science and Technology*. 2020. 35(9). https://doi.org/10.1088/1361-6641/ab94d9

Rooj, Sandip, Amit Das ja Gert Heinrich. "Preintercalation of an organic accelerator into nanogalleries and preparation of ethylene propylene diene terpolymer rubber-clay nanocomposites". *POLYMER JOURNAL*. 2011, 43(3). 285-292. https://doi.org/10.1038/pj.2010.132

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

Heikkinen, Jarkko J. et al. "Printable and flexible macroporous organosilica film with high protein adsorption capacity". *Thin Solid Films*. 2012, 520(6). 1934-1937. https://doi.org/10.1016/j.tsf.2011.09.041

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

Massera, J. et al. "Processing and characterization of phosphate glasses containing CaAl2O4:Eu2+,Nd3+ and SrAl2O4:Eu2+,Dy3+ microparticles". *Journal of the European Ceramic Society*. 2015, 35(14). 3863-3871. https://doi.org/10.1016/j.jeurceramsoc.2015.06.031

Kiilakoski, Jarkko et al. "Process Parameter Impact on Suspension-HVOF-Sprayed Cr_2O_3 Coatings". *Journal of Thermal Spray Technology*. 2019. https://doi.org/10.1007/s11666-019-00940-7

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

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

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

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

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

Auer, Sanna et al. "Rapid and sensitive detection of norovirus antibodies in human serum with a biolayer interferometry biosensor". *Sensors and Actuators B: Chemical*. 2015, 221. 507-514. https://doi.org/10.1016/j.snb.2015.06.088

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

Kaksonen, Anna H. et al. "Recent progress in biohydrometallurgy and microbial characterisation". *Hydrometallurgy*. 2018, 180. 7-25. https://doi.org/10.1016/j.hydromet.2018.06.018

Priimagi, Arri, Christopher J. Barrett ja 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

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

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

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

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

Chintha, A. R. et al. "Role of fracture toughness in impact-abrasion wear". *Wear*. 2019, 428-429. 430-437. https://doi.org/10.1016/j.wear.2019.03.028

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

Javanainen, Matti, O. H.Samuli Ollila ja Hector Martinez-Seara. "Rotational Diffusion of Membrane Proteins in Crowded Membranes". *Journal of Physical Chemistry B*. 2020, 124(15). 2994-3001. https://doi.org/10.1021/acs.jpcb.0c00884

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

Sulonen, Mira L.K. et al. "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

Bolelli, G. et al. "Sliding and abrasive wear behaviour of HVOF- and HVAF-sprayed Cr_3C_2-NiCr hardmetal coatings". *Wear*. 2016, 358-359. 32-50. https://doi.org/10.1016/j.wear.2016.03.034

Matikainen, V. et al. "Sliding wear behaviour of HVOF and HVAF sprayed Cr_3C_2-based coatings". *Wear*. 2017, 388-389. 57-71. https://doi.org/10.1016/j.wear.2017.04.001

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

Reyes, Guillermo et al. "Solvent Welding and Imprinting Cellulose Nanofiber Films Using Ionic Liquids". *Biomacromolecules*. 2019, 20(1). 502-514. https://doi.org/10.1021/acs.biomac.8b01554

Šutka, Andris et al. "Solvothermal synthesis derived Co-Ga codoped ZnO diluted magnetic degenerated semiconductor nanocrystals". *Journal of Alloys and Compounds*. 2018, 763. 164-172. https://doi.org/10.1016/j.jallcom.2018.05.036

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

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.jpcb.6b00306

Alekseev, Alexander 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

Christophliemk, Hanna et al. "Starch-poly(vinyl alcohol) barrier coatings for flexible packaging paper and their effects of phase interactions". *Progress in Organic Coatings*. 2017, 111. 13-22. https://doi.org/10.1016/j.porgcoat.2017.04.018

Eshwaran, S. B. et al. "Stearate Modified Zinc-Aluminum Layered Double Hydroxides and Acrylonitrile Butadiene Rubber Nanocomposites". *Polymer-Plastics Technology and Engineering*. 2014, 53(1). 65-73. https://doi.org/10.1080/03602559.2013.843690

Stumpel, Jelle E., Dirk J. Broer ja Albertus P H J Schenning. "Stimuli-responsive photonic polymer coatings". *Chemical Communications*. 2014, 50(100). 15839-15848. https://doi.org/10.1039/c4cc05072j

Poutanen, Mikko, Olli Ikkala, ja 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

Fliervoet, Lies A.L. 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

Tainio, J. M. 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. 533. https://doi.org/10.1016/j.jnoncrysol.2020.119893

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

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

Vapaavuori, Jaana, C. Geraldine Bazuin, ja Arri Priimagi. "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

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

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

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

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

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

Morandi, Antonio et al. "The 5th international workshop on numerical modelling of high temperature superconductors". *Superconductor Science and Technology*. 2017. 30(8). https://doi.org/10.1088/1361-6668/aa7676

Kaunisto, Kimmo et al. "The effect of carbon and nickel additions on the precursor synthesis of Cr_3C_2-Ni nanopowder". *Ceramics International*. 2018, 44(8). 9338-9346. https://doi.org/10.1016/j.ceramint.2018.02.146

Lindroos, Matti et al. "The effect of impact conditions on the wear and deformation behavior of wear resistant steels". *Wear* . 2015, 328-329. 197-205. https://doi.org/10.1016/j.wear.2015.02.032

Goyos-Ball, Lidia et al. "The effects of laser patterning 10CeTZP-Al_2O_3 nanocomposite disc surfaces: Osseous differentiation and cellular arrangement in vitro". *Ceramics International*. 2018, 44(8). 9472-9478. https://doi.org/10.1016/j.ceramint.2018.02.164

Mylläri, Ville, Tero Petri Ruoko ja Pentti Järvelä. "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

Alekseev, Alexander et al. "The red, purple and blue modifications of polymeric unsymmetrical hydroxyalkadiynyl-N-arylcarbamate derivatives in Langmuir-Schaefer films". *Thin Solid Films*. 2016, 612. 463-471. https://doi.org/10.1016/j.tsf.2016.06.044

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

Sorianello, V. et al. "Thermally evaporated single-crystal Germanium on Silicon". *Thin Solid Films*. 2011, 519(22). 8037-8040. https://doi.org/10.1016/j.tsf.2011.06.023

Soltani, I. et al. "Thermal, structural and optical properties of Er^{3+} doped phosphate glasses containing silver nanoparticles". *Journal of Non-Crystalline Solids*. 2016, 438. 67-73. https://doi.org/10.1016/j.jnoncrysol.2015.12.022

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.jpcb.7b08394

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

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

Hongisto, M. et al. "Transparent Yb^{3+} doped phosphate glass-ceramics". *Ceramics International*. 2020. https://doi.org/10.1016/j.ceramint.2020.01.121

Bolelli, Giovanni 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

Bolelli, G. et al. "Tribology of HVOF- and HVAF-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

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

Khvorost, Taras A. et al. "Ultrafast Photochemistry of the $[Cr(NCS)_6]^{3-}$ 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.jpcb.0c00088

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

Basu, Debdipta et al. "Unmodified LDH as reinforcing filler for XNBR and the development of flame-retardant elastomer composites". *Rubber Chemistry and Technology*. 2014, 87(4). 606-616. https://doi.org/10.5254/rct.14.86920

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

Mäkinen, J. et al. "Vacancy-type defect distributions near argon sputtered Al(100) surface studied by variable-energy positrons and molecular dynamics simulations". *Surface Science*. 1986, 175(2). 385-414. https://doi.org/10.1016/0039-6028(86)90242-6

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

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.jpcb.9b02125

Tkalich, Dmitry et al. "Wear of cemented tungsten carbide percussive drill–bit inserts: Laboratory and field study". *Wear*. 2017, 386-387. 106-117. https://doi.org/10.1016/j.wear.2017.05.010