

Johansson, Petri et al. "Atomic layer deposition process for barrier applications of flexible packaging". *TAPPI 2010 PLACE Conference, April 18-21, 2010, Albuquerque NM, USA*. 2010, 1-12.

Vartiainen, Jari, Mikko Tuominen and Kalle Nättinen. "Bio-Hybrid Nanocomposite Coatings from Sonicated Chitosan and Nanoclay". *Journal of Applied Polymer Science*. 2010, 116(6). 3638-3647. <https://doi.org/10.1002/app.31922>

Markert, F. et al. "Development of sustainable paper coatings using nanoscale industrial". *i-SUP 2010, Innovation for Sustainable Production, Conference 4, Materials for Sustainable Production, Bruges, Belgium, 18-21 April, 2010*. 2010, 80-84.

Honkanen, Markus, Hannu Eloranta and Pentti Saarenrinne. "Digital imaging measurement of dense multiphase flows in industrial processes". *Flow Measurement and Instrumentation*. 2010, 21(1). 25-32.  
<https://doi.org/10.1016/j.flowmeasinst.2009.11.001>

Larkomaa, Jaakko et al. "Effect of fibre properties on flocculation and fractionation of cellulosic fibres in dry state". *Journal of Engineered Fibers and Fabrics*. 2010, 5(1). 1-10.

Johansson, Kristin et al. "Effect of Pigment Volume Concentration and Drying Aspects on the Enzyme Activity of Clay Coatings". *11th Advanced Coating Fundamentals Symposium Proceedings, The Latest Advances in Coating Research and Development, 11-13 October 2010, Munich, Germany*. TAPPI Advanced Coating Fundamentals Symposium. USA: TAPPI Press. 2010, 129-143.

Peltola, J. et al. "Image based measurement of particle phase Reynolds stresses in a laboratory scale circulating fluidized bed". *7th International Conference on Multiphase Flow ICMF2010, May 30 - June 4, 2010, Tampa, Florida*. 2010, 1-9.

Lahti, Johanna et al. "Influence of Atmospheric Plasma Treatment on Surface Properties and Inkjet Printability of Plastic Packaging Film". and Enlund, Nils Lovrecek, Mladen (editors). *Advances in Printing and Media Technology*. 2010, 197-203.

Tuominen, Mikko "The name of the thesis: Surface Treatment in Extrusion Coating, Topic: The Influence of Corona and Flame Treatment on Sealability of Extrusion Coated Paper". Kärkkäinen, S. (ed.). *PaPSaT, International Doctoral Programme in Pulp and Paper Science and Technology in Finland, Yearbook 2010*. 2010, 1-5.

Honkanen, Markus et al. "Two-phase PIV/PTV measurement of bubbly flow across pin fins in a micro-channel". *7th International Conference on Multiphase Flow ICMF2010, May 30 - June 4, 2010, Tampa, Florida*. 2010, 1-9.

Teisala, Hannu, Mikko Tuominen, and Jurkka Kuusipalo. "Adhesion Mechanism of Water Droplets on Hierarchically Rough Superhydrophobic Rose Petal Surface". *Journal of Nanomaterials*. 2011, 2011. 1-6.  
<https://doi.org/10.1155/2011/818707>

Lahti, Johanna et al. "Atmospheric Plasma Treatment of Plastic Packaging Film: Effects on Surface Properties and UV Inkjet Printability". *13th TAPPI European PLACE Conference, Bregenz, Austria, 30 May - 1 June, 2011*. TAPPI European PLACE Conference. Norcross, GA: TAPPI. 2011, 1-31.

Kääriäinen, Tommi O. et al. "Atomic layer deposition on polymer based flexible packaging materials: Growth characteristics and diffusion barrier properties". *Thin Solid Films*. 2011, 519(10). 3146-3154.  
<https://doi.org/10.1016/j.tsf.2010.12.171>

Aromaa, Mikko et al. "Deposition of flame synthesised nanoparticles on paperboard surface". *NOSA & FAAR 2011, Nordic Aerosol Symposium, November 9-11, 2011, Tampere, Finland*. Nordic Aerosol Symposium NOSA & FAAR. Tampere: Nordic Society for Aerosol Research. 2011, 17-17.

Tuominen, Mikko, Johanna Lahti, and Jurkka Kuusipalo. "Effects of flame and corona treatment on extrusion coated paper properties". *TAPPI Journal*. 2011, 10(10). 29-36.

Mäkelä, Jyrki M. et al. "Nanoparticle Deposition from Liquid Flame Spray onto Moving Roll-to-Roll Paperboard Material". *Aerosol Science and Technology*. 2011, 45(7). 827-837. <https://doi.org/10.1080/02786826.2011.566292>

Lahti, Johanna and Juho Lavonen "Nanoscale Surface Processing of Extrusion Coated Substrates and Plastic Films with Atmospheric Plasma Activation and Deposition". Vähä-Nissi, Mika (ed.). *Novel nanostructured polymeric materials for food packaging and beyond, International COST Workshop, Espoo, Finland, September 15-16, 2011. VTT Symposium*. International COST Workshop. Espoo: VTT. 2011, 29-30.

Tuominen, Mikko "The name of the thesis: Atmospheric Plasma Treatment in Extrusion Coating, Topic: The Effect of Flame Treatment on the Sealability of Extrusion Coated Paper". Kärkkäinen, S. (ed.). *PaPSaT, International Doctoral Programme in Pulp and Paper Science and Technology in Finland, Yearbook 2011*. Espoo: Aalto University School of science and technology. 2011, 1-5.

Bollström, Roger et al. "Top layer coatability on barrier coatings". *TAPPI's PaperCon 2011, May 1-4, 2011, Covington, KY, USA. Paper 360 - Special PaperCon Edition*. TAPPI International Conference Papercon. Norcross, GA: TAPPI. 2011, 1-11.

Lahtinen, Kimmo et al. "Utilisation of continuous atomic layer deposition process for barrier enhancement of extrusion-coated paper". *Surface and Coatings Technology*. 2011, 205(15). 3916-3922. <https://doi.org/10.1016/j.surfcoat.2011.02.009>

Lahtinen, Kimmo et al. "Adhesion of Extrusion-Coated Polymer Sealing Layers to a Fiber-Based Packaging Material with an Atomic Layer Deposited Aluminum Oxide Surface Coating". *Polymer Engineering and Science*. 2012, 52(9). 1985-1990. <https://doi.org/10.1002/pen.23148>

Aromaa, Mikko et al. "Atmospheric synthesis of superhydrophobic TiO<sub>2</sub> nanoparticle deposits in a single step using Liquid Flame Spray". *Journal of Aerosol Science*. 2012, 52. 57-68. <https://doi.org/10.1016/j.jaerosci.2012.04.009>

Aromaa, Mikko et al. "Flame deposition of superhydrophobic and superhydrophilic nanoparticle coating on paperboard materials". *Nanotechnology 2012: Advanced Materials, CNTs, Particles, Films and Composites - 2012 NSTI Nanotechnology Conference and Expo, NSTI-Nanotech 2012, Santa Clara, CA, USA, 18-21 June 2012*. Nanotechnology Conference and Expo Nanotech. Nano Science and Technology Institute NSTI. 2012, 365-367.

Lahti, Johanna and Juho Lavonen "Nanoscale surface processing of extrusion coated substrates and plastic films with atmospheric plasma activation and deposition". *TAPPI PLACE Conference 2012, Helping Me Do My Job Better, Seattle, Washington, USA, 6-9 May 2012*. TAPPI PLACE Conference. TAPPI Press; Curran Associates, Inc. 2012, 588-600.

Teisala, Hannu et al. "Nanostructures Increase Water Droplet Adhesion on Hierarchically Rough Superhydrophobic Surfaces". *Langmuir*. 2012, 28(6). 3138-3145. <https://doi.org/10.1021/la203155d>

Stepien, Milena et al. "Surface chemical analysis of photocatalytic wettability conversion of TiO<sub>2</sub> nanoparticle coating". *Surface and Coatings Technology*. 2012, 208. 73-79. <https://doi.org/10.1016/j.surfcoat.2012.08.008>

Stepien, Milena et al. "Surface chemical characterization of nanoparticle coated paperboard". *Applied Surface Science*. 2012, 258(7). 3119-3125. <https://doi.org/10.1016/j.apsusc.2011.11.048>

Gonzalez, Jarold A., Hiroo Tarao and Leena Korpinen "The Effect of ELF electric fields on Implantable Cardioverter Defibrillators (ICD)". *The Bioelectromagnetics Society 34th Annual Meeting, June 17, 2012 - June 22, 2012, Brisbane, Australia*. The Bioelectromagnetics Society Annual Meeting. The Bioelectromagnetics Society. 2012, 104-106.

Johansson, Kristin et al. "The effects of coating structure and water-holding capacity on the oxygen-scavenging capacity of enzymes embedded in the coating layer". *12th TAPPI Advanced Coating Fundamentals Symposium Proceedings, September 10-12, 2012, Atlanta, USA*. TAPPI Advanced Coating Fundamentals Symposium. TAPPI. 2012, 57-69.

Bollström, Roger et al. "Top layer coatability on barrier coatings". *Progress in Organic Coatings*. 2012, 73(1). 26-32. <https://doi.org/10.1016/j.porgcoat.2011.08.015>

Lahtinen, Kimmo et al. "Toward more controlled, nanoscale barrier layers in packaging". *Plastics Research Online*. 2012, (17th August). 1-3. <https://doi.org/10.2417/spepro.004237>

Haapanen, J. et al. "Two-component aerosol nanoparticle coating for paperboard on roll-to-roll process". *EAC-2012 Granada, European Aerosol Conference, 2-7 Sept 2012, Granada, Spain*. European Aerosol Conference EAC. EAA, AECTA. 2012, 1-1.

Teisala, Hannu et al. "High- and low-adhesive superhydrophobicity on the liquid flame spray-coated board and paper: structural effects on surface wetting and transition between the low- and high-adhesive states". *Colloid and Polymer Science*. 2013, 291(2). 447-455. <https://doi.org/10.1007/s00396-012-2833-5>

Tuominen, Mikko et al. "The effect of flame treatment on surface properties and heat sealability of low-density polyethylene coating". *Packaging Technology and Science*. 2013, 26(4). 201-214. <https://doi.org/10.1002/pts.1975>

Teisala, Hannu et al. "Wettability conversion on the liquid flame spray generated superhydrophobic TiO<sub>2</sub> nanoparticle coating on paper and board by photocatalytic decomposition of spontaneously accumulated carbonaceous overlayer". *Cellulose*. 2013, 20(1). 391-408. <https://doi.org/10.1007/s10570-012-9825-y>

Tuominen, Mikko et al. "Creation of superhydrophilic surfaces of paper and board". *Journal of Adhesion Science and Technology*. 2014, 28(8-9). 864-879. <https://doi.org/10.1080/01694243.2012.697744>

Qvintus, Pia et al. "Design driven world of cellulose-from bulk to luxury?". *Fibre Value Chain Conference and Expo 2014: Pulp and Paper Bioenergy Bioproducts*. Appita Inc. 2014, 67-74.

Vishtal, Alexey and Elias Retulainen. "Improving the extensibility, wet web and dry strength of paper by addition of agar". *Nordic Pulp and Paper Research Journal*. 2014, 29(3). 434-443.

Leppänen, Aino et al. "Modelling fume deposit growth in recovery boilers: effect of flue gas and deposit temperature". *Journal of Science and Technology for Forest Products and Processes*. 2014, 4(1). 50-57.

Mylläri, Ville, Tero Petri Ruoko and 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>

Leppänen, A. et al. "Numerical modeling of fine particle and deposit formation in a recovery boiler". *Fuel*. 2014, 129. 45-53. <https://doi.org/10.1016/j.fuel.2014.03.046>

Köliö, Arto, Mari Honkanen, and Jukka Lahdensivu "Corrosion propagation phase studies on Finnish reinforced concrete facades". *1st International Symposium on Building Pathology: ISBP 2015*. Porto: FEUP Edicoes (Faculdade de Engenharia da Universidade do Porto Edicoes). 2015.

Sarlin, Essi et al. "Diffusion of acidic solution through rubber at high temperature and its effect on metal-rubber interface degradation". *Proceedings of SAMPE Europe Conference*. 2015.

Ramamoorthy, Sunil Kumar, Mikael Skrifvars and Marja Rissanen. "Effect of alkali and silane surface treatments on regenerated cellulose fibre type (Lyocell) intended for composites". *Cellulose*. 2015, 22(1). 637-654. <https://doi.org/10.1007/s10570-014-0526-6>

Vapaavuori, Jaana et al. "From partial to complete optical erasure of azobenzene-polymer gratings: effect of molecular weight". *Journal of Materials Chemistry C*. 2015, 3(42). 11011-11016. <https://doi.org/10.1039/C5TC01776A>

Sarlin, Essi Linnea et al. "High-temperature slurry erosion of vinylester matrix composites – The effect of test parameters". *Wear*. 2015, 328-329. 488-497. <https://doi.org/10.1016/j.wear.2015.03.021>

Beyeh, N. Kodiah et al. "N-Alkyl ammonium resorcinarene salts: multivalent halogen-bonded deep-cavity cavitands". *Organic chemistry frontiers*. 2015, 2(4). 340-345. <https://doi.org/10.1039/c4qo00326h>

Koivuluoto, Heli et al. "Research on icing behavior and ice adhesion testing of icephobic surfaces". *16th International Workshop on Atmospheric Icing of Structures, IWAIS 2015, June 28-July 3, 2015, Uppsala, Sweden*. 2015, 183-188.

Leppänen, A., E. Välimäki and A. Oksanen "Simulation of ash-forming compounds in the kraft recovery boiler". *10th European Conference on Industrial Furnaces and Boilers*. Porto, Portugal. 2015.

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

Siljander, Sanna et al. "The effect of physical adhesion promotion treatments on interfacial adhesion in cellulose-epoxy composite". *Proceedings of the 20th International Conference on Composite Materials*. 2015.

Grönqvist, S. et al. "The effect of the outermost fibre layers on solubility of dissolving grade pulp". *Cellulose*. 2015, 22(6). 3955-3965. <https://doi.org/10.1007/s10570-015-0709-9>

Tuominen, J. et al. "High performance wear and corrosion resistant coatings by novel cladding techniques"., Sudarshan, T.S. Vuoristo, P. Koivuluoto, H. (editors). *Surface Modification Technologies XXVIII: Proceedings of the 28th International Conference on Surface Modification Technologies*. Valardocs. 2015, 105-117.

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

Leppänen, Aino *Modeling Fume Particle Dynamics and Deposition with Alkali Metal Chemistry in Kraft Recovery Boilers* Tampere University of Technology. Publication. Tampere: Tampere University of Technology. 2015.

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

Carver, Sarah M. et al. "Fermentative metabolism of an anaerobic, thermophilic consortium on plant polymers and commercial paper samples". *Biomass & Bioenergy*. 2015, 75. 11-22. <https://doi.org/10.1016/j.biombioe.2015.02.005>

Diao, Feiyu et al. "Preferential Attachments of Organic Dyes onto {101} Facets of TiO<sub>2</sub> Nanoparticles". *Journal of Physical Chemistry C*. 2015, 119(16). 8960-8965. <https://doi.org/10.1021/acs.jpcc.5b01369>

Puranen, Jouni et al. "High temperature oxidation tests for the high velocity solution precursor flame sprayed manganese-cobalt oxide spinel protective coatings on SOFC interconnector steel". *International Journal of Hydrogen Energy*. 2015, 40(18). 6216-6227. <https://doi.org/10.1016/j.ijhydene.2015.02.129>

Vehviläinen, Marianna et al. "Dissolution of enzyme-treated cellulose using freezing thawing method and the properties of fibres regenerated from the solution". *Cellulose*. 2015, 22(3). 1653-1674. <https://doi.org/10.1007/s10570-015-0632-0>

- Virtanen, Tommi et al. "Impact of mechanical and enzymatic pretreatments on softwood pulp fiber wall structure studied with NMR spectroscopy and X-ray scattering". *Cellulose*. 2015, 22(3). 1565-1576. <https://doi.org/10.1007/s10570-015-0619-x>
- Aghaee, Morteza et al. "Low temperature temporal and spatial atomic layer deposition of TiO<sub>2</sub> films". *Journal of Vacuum Science & Technology A*. 2015, 33(4). <https://doi.org/10.1116/1.4922588>
- Lepcha, A. et al. "Electrospun Black Titania Nanofibers: Influence of Hydrogen Plasma-Induced Disorder on the Electronic Structure and Photoelectrochemical Performance". *Journal of Physical Chemistry C*. 2015, 119(33). 18835-18842. <https://doi.org/10.1021/acs.jpcc.5b02767>
- Harra, Juha et al. "Coating of Silica and Titania Aerosol Nanoparticles by Silver Vapor Condensation". *Aerosol Science and Technology*. 2015, 49(9). 767-776. <https://doi.org/10.1080/02786826.2015.1072263>
- Frankberg, Erkki J. et al. "Measuring synthesis yield in graphene oxide synthesis by modified hummers method". *Fullerenes Nanotubes and Carbon Nanostructures*. 2015, 23(9). 755-759. <https://doi.org/10.1080/1536383X.2014.993754>
- Kärkkäinen, Marja et al. "The Effect of Phosphorus Exposure on Diesel Oxidation Catalysts-Part I: Activity Measurements, Elementary and Surface Analyses". *Topics in Catalysis*. 2015, 58(14). 961-970. <https://doi.org/10.1007/s11244-015-0464-z>
- Honkanen, Mari et al. "The Effect of Phosphorus Exposure on Diesel Oxidation Catalysts-Part II: Characterization of Structural Changes by Transmission Electron Microscopy". *Topics in Catalysis*. 2015, 58(14). 971-976. <https://doi.org/10.1007/s11244-015-0465-y>
- Mayrhofer, Erwin et al. "Cracking resistance of Cr<sub>3</sub>C<sub>2</sub>-NiCr and WC-Cr<sub>3</sub>C<sub>2</sub>-Ni thermally sprayed coatings under tensile bending stress". *Surface and Coatings Technology*. 2015, 281. 169-175. <https://doi.org/10.1016/j.surfcoat.2015.09.002>
- Kölliö, Arto et al. "Corrosion products of carbonation induced corrosion in existing reinforced concrete facades". *Cement and Concrete Research*. 2015, 78. 200-207. <https://doi.org/10.1016/j.cemconres.2015.07.009>
- Grönqvist, S. et al. "Enhanced pre-treatment of cellulose pulp prior to dissolution into NaOH/ZnO". *Cellulose*. 2015, 22(6). 3981-3990. <https://doi.org/10.1007/s10570-015-0742-8>
- Koivula, Hanna M. et al. "Machine-coated starch-based dispersion coatings prevent mineral oil migration from paperboard". *Progress in Organic Coatings*. 2016, 99. 173-181. <https://doi.org/10.1016/j.porgcoat.2016.05.017>
- Higashino, Tomohiro et al. "Remarkable Dependence of the Final Charge Separation Efficiency on the Donor-Acceptor Interaction in Photoinduced Electron Transfer". *Angewandte Chemie (International Edition)*. 2016, 55(2). 629-633. <https://doi.org/10.1002/anie.201509067>
- Keipi, Tiina et al. "Techno-economic analysis of four concepts for thermal decomposition of methane: Reduction of CO<sub>2</sub> emissions in natural gas combustion". *Energy Conversion and Management*. 2016, 110. 1-12. <https://doi.org/10.1016/j.enconman.2015.11.057>
- Timonen, Juhani et al. *Towards material excellence: Evaluation of Tekes' programmes on materials* Tekes. 2016.
- Leppänen, Aino and Erkki Välimäki. "Improving Recovery Boiler Availability through Understanding Fume Behavior". *TAPPI Journal*. 2016, 15(3). 187-193.

Taddeo, Raffaele, Kari Kolppo and Raghida Lepistö. "Sustainable nutrients recovery and recycling by optimizing the chemical addition sequence for struvite precipitation from raw swine slurries". *Journal of Environmental Management*. 2016, 180. 52-58. <https://doi.org/10.1016/j.jenvman.2016.05.009>

Keipi, Tiina et al. "Thermo-catalytic decomposition of methane: The effect of reaction parameters on process design and the utilization possibilities of the produced carbon". *Energy Conversion and Management*. 2016, 126. 923-934. <https://doi.org/10.1016/j.enconman.2016.08.060>

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>

Kamppuri, Taina et al. "Characterization of endoglucanase rich *Trichoderma reesei* cellulase mixtures and their effect on alkaline solubility of dissolving pulp". *Cellulose*. 2016, 23(6). 3901-3911. <https://doi.org/10.1007/s10570-016-1055-2>

Mangayil, Rahul et al. "Engineering and Characterization of Bacterial Nanocellulose Films as Low Cost and Flexible Sensor Material". *ACS Applied Materials & Interfaces*. 2017, 9(22). 19048-19056. <https://doi.org/10.1021/acsami.7b04927>

Lindroos, Matti et al. "On the effect of deformation twinning and microstructure to strain hardening of high manganese austenitic steel 3D microstructure aggregates at large strains". *International Journal of Solids and Structures*. 2017, 125. 68-76. <https://doi.org/10.1016/j.ijsolstr.2017.07.015>

Hiltunen, Arto et al. "Tailored Fabrication of Transferable and Hollow Weblike Titanium Dioxide Structures". *ChemPhysChem*. 2017, 18. 64-71. <https://doi.org/10.1002/cphc.201600930>

Keipi, Tiina et al. "Methane thermal decomposition in regenerative heat exchanger reactor: Experimental and modeling study". *Energy*. 2017, 135. 823-832. <https://doi.org/10.1016/j.energy.2017.06.176>

Layek, Rama K. et al. "Noncovalent functionalization of reduced graphene oxide with pluronic F127 and its nanocomposites with gum arabic". *Composites Part B : Engineering*. 2017, 128. 155-163. <https://doi.org/10.1016/j.compositesb.2017.07.010>

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>

Solismaa, Soili et al. "Valorization of Finnish mining tailings for use in the ceramics industry". *BULLETIN OF THE GEOLOGICAL SOCIETY OF FINLAND*. 2018, 90(1). 33-54. <https://doi.org/10.17741/bgsf/90.1.002>

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

He, Xiaoyan et al. "Charge Shift/Recombination and Triplet Formation in a Closely-Spaced Molecular Dyad based on a Borondipyrromethene (Bodipy) and an Expanded Acridinium Cation". *ChemPhotoChem*. 2018, 2(3). 277-282. <https://doi.org/10.1002/cptc.201700184>

Keipi, Tiina, Henrik Tolvanen, and Jukka Konttinen. "Economic analysis of hydrogen production by methane thermal decomposition: Comparison to competing technologies". *Energy Conversion and Management*. 2018, 159. 264-273. <https://doi.org/10.1016/j.enconman.2017.12.063>

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

Nikkanen, Juha-Pekka et al. *Utilization of CO<sub>2</sub> in modification of galvanized steel surface*. 2018.

Levänen, Erkki and Amandeep Singh *Titanium oxide based nanoparticles by laser ablation in supercritical carbon dioxide*. 2018.

Järvinen, Henri et al. "Microstructure-property relationships of novel ultra-high strength press hardening steels". *Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science*. 2019, 50(2). 816-836. <https://doi.org/10.1007/s11661-018-4967-7>

Assoah, Benedicta, Luis F. Veiros, and Nuno R. Candeias. "Pinacol-Derived Chlorohydrosilane in Metal-Free Reductive Amination for the Preparation of Tertiary Alkylphenolmethyl Amines". *Organic Letters*. 2019, 21(5). 1402-1406. <https://doi.org/10.1021/acs.orglett.9b00121>

Eregowda, Tejaswini *Anaerobic treatment and resource recovery from methanol rich waste gases and wastewaters* Tampere University Dissertations. Tampere University. 2019.

Mahtabani, Amirhossein et al. "Solution Modified Fumed Silica and Its Effect on Charge Trapping Behavior of PP/POE/Silica Nanodielectrics". *Proceedings of the 26th Nordic Insulation Symposium*. Proceedings of the Nordic Insulation Symposium. NTNU, Norway: Nordic Insulation Symposium. 2019, 129-133. <https://doi.org/10.5324/nordis.v0i26.3292>

Ali-Löytty, Harri et al. "Chemical Dissolution of Pt(111) During Potential Cycling Under Negative pH Conditions Studied by Operando X-ray Photoelectron Spectroscopy". *Journal of Physical Chemistry C*. 2019, 123(41). 25128-25134. <https://doi.org/10.1021/acs.jpcc.9b05201>

Leduc, Jennifer et al. "Electronically Coupled Uranium and Iron Oxide Heterojunctions as Efficient Water Oxidation Catalysts". *Advanced Functional Materials*. 2019. <https://doi.org/10.1002/adfm.201905005>

Kastinen, Tuuva et al. "Electronic couplings and rates of excited state charge transfer processes at poly(thiophene-co-quinoxaline)-PC<sub>71</sub>BM interfaces: two- versus multi-state treatments". *Physical Chemistry Chemical Physics*. 2019, 21(46). 25606-25625. <https://doi.org/10.1039/C9CP04837E>

Zeng, Hao et al. "Light-fuelled freestyle self-oscillators". *Nature Communications*. 2019. 10(1). <https://doi.org/10.1038/s41467-019-13077-6>

Sriplai, Nipaporn et al. "Enhancing piezoelectric properties of bacterial cellulose films by incorporation of MnFe<sub>2</sub>O<sub>4</sub> nanoparticles". *Carbohydrate Polymers*. 2019. 231. <https://doi.org/10.1016/j.carbpol.2019.115730>

Temerov, Filipp et al. "Silver-Decorated TiO<sub>2</sub> Inverse Opal Structure for Visible Light-Induced Photocatalytic Degradation of Organic Pollutants and Hydrogen Evolution". *ACS Applied Materials & Interfaces*. 2020, 12(37). 41200-41210. <https://doi.org/10.1021/acsami.0c08624>