Jyrki M MÃ¤kelÃ¤

List of Publications by Year
in descending order

33 papers	748 citations	566801 15 h-index	525886 27 g-index
35 all docs	35 docs citations	35 times ranked	1185 citing authors

#	Article	IF	Citations
1	Paperboard as a substrate for biocompatible slippery liquid-infused porous surfaces. Nordic Pulp and Paper Research Journal, 2020, 35, 479-489.	0.3	2
2	Characterization of flame coated nanoparticle surfaces with antibacterial properties and the heat-induced embedding in thermoplastic-coated paper. SN Applied Sciences, 2019, 1, 1.	1.5	2
3	Ultrafast Processing of Hierarchical Nanotexture for a Transparent Superamphiphobic Coating with Extremely Low Rollâ€Off Angle and High Impalement Pressure. Advanced Materials, 2018, 30, e1706529.	11.1	117
4	Characteristics of nFOG, an aerosol-based wet thin film coating technique. Journal of Coatings Technology Research, 2018, 15, 623-632.	1.2	4
5	Icephobicity of Slippery Liquid Infused Porous Surfaces under Multiple Freezeâ€“Thaw and Ice Accretionâ€“Detachment Cycles. Advanced Materials Interfaces, 2018, 5, 1800828.	1.9	57
6	Achieving a slippery, liquid-infused porous surface with anti-icing properties by direct deposition of flame synthesized aerosol nanoparticles on a thermally fragile substrate. Applied Physics Letters, 2017, 110, .	1.5	57
7	Comparison of different coating techniques on the properties of FucoPol films. International Journal of Biological Macromolecules, 2017, 103, 268-274.	3.6	2
8	Aerosol analysis of residual and nanoparticle fractions from spray pyrolysis of poorly volatile precursors. AICHE Journal, 2017, 63, 881-892.	1.8	13
9	Roll-to-roll manufacturing of disposable surfaceenhanced Raman scattering (SERS) sensors on paper based substrates. Nordic Pulp and Paper Research Journal, 2017, 32, 222-228.	0.3	2
10	Antimicrobial characterization of silver nanoparticle-coated surfaces by “touch test” method. Nanotechnology, Science and Applications, 2017, Volume 10, 137-145.	4.6	26
11	Planar fluidic channels on TiO2 nanoparticle coated paperboard. Nordic Pulp and Paper Research Journal, 2016, 31, 232-238.	0.3	4
12	Real-time effective density monitor (DENSMO) for aerosol nanoparticle production. Aerosol Science and Technology, 2016, 50, 487-496.	1.5	5
13	Surface-Enhanced Impulsive Coherent Vibrational Spectroscopy. Scientific Reports, 2016, 6, 36471.	1.6	8
14	Wetting hysteresis induced by temperature changes: Supercooled water on hydrophobic surfaces. Journal of Colloid and Interface Science, 2016, 468, 21-33.	5.0	40
15	Workplace performance of a loose-fitting powered air purifying respirator during nanoparticle synthesis. Journal of Nanoparticle Research, 2015, 17, 1.	0.8	19
16	Long-term corrosion protection by a thin nano-composite coating. Applied Surface Science, 2015, 357, 2333-2342.	3.1	21
17	Coating of Silica and Titania Aerosol Nanoparticles by Silver Vapor Condensation. Aerosol Science and Technology, 2015, 49, 767-776.	1.5	3
18	Review on Liquid Flame Spray in paper converting: Multifunctional superhydrophobic nanoparticle coatings. Nordic Pulp and Paper Research Journal, 2014, 29, 747-759.	0.3	11

#	Article	IF	Citations
19	Surface-enhanced Raman scattering active substrates by liquid flame spray deposited and inkjet printed silver nanoparticles. Optical Review, 2014, 21, 339-344.	1.2	5
20	Switchable water absorption of paper via liquid flame spray nanoparticle coating. Cellulose, 2014, 21, 2033-2043.	2.4	3
21	Second-harmonic response of multilayer nanocomposites of silver-decorated nanoparticles and silica. Scientific Reports, 2014, 4, 5745.	1.6	13
22	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, 447-455.	1.0	15
23	Wettability conversion on the liquid flame spray generated superhydrophobic TiO2 nanoparticle coating on paper and board by photocatalytic decomposition of spontaneously accumulated carbonaceous overlayer. Cellulose, 2013, 20, 391-408.	2.4	31
24	Ordered multilayer silica-metal nanocomposites for second-order nonlinear optics. Applied Physics Letters, 2013, 103, 251907.	1.5	6
25	Study of the PM Gas-Phase Filter Artifact Using a Setup for Mixing Diesel-Like Soot and Hydrocarbons. Aerosol Science and Technology, 2012, 46, 1045-1052.	1.5	12
26	Comparison of Three Particle Number Concentration Calibration Standards Through Calibration of a Single CPC in a Wide Particle Size Range. Aerosol Science and Technology, 2012, 46, 1163-1173.	1.5	27
27	On-Line Characterization of Morphology and Water Adsorption on Fumed Silica Nanoparticles. Aerosol Science and Technology, 2011, 45, 1441-1447.	1.5	26
28	Nanoparticle Deposition from Liquid Flame Spray onto Moving Roll-to-Roll Paperboard Material. Aerosol Science and Technology, 2011, 45, 827-837.	1.5	49
29	Size-selected agglomerates of SnO2 nanoparticles as gas sensors. Journal of Applied Physics, 2009, 106, 084316.	1.1	39
30	Synthesis of Pdâ€“alumina and Pdâ€“lanthana Suspension for Catalytic Applications by One-step Liquid Flame Spray. Catalysis Letters, 2007, 119, 172-178.	1.4	10
31	Titania and titania-silver nanoparticle deposits made by Liquid Flame Spray and their functionality as photocatalyst for organic- and biofilm removal. Catalysis Letters, 2006, 111, 127-132.	1.4	44
32	Preparation of ZrO2fine particles by CVD process: Thermal decomposition of zirconium tert-butoxide vapor. Journal of Materials Science, 2004, 39, 4923-4929.	1.7	8
33	Comparison of mobility equivalent diameter with Kelvinâ€Thomson diameter using ion mobility data. Journal of Chemical Physics, 1996, 105, 1562-1571.	1.2	65