Janne Haapanen

List of Publications by Year
in descending order

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36	825	471509	477307
papers	citations	17	29
		h-index	g-index

36	36	36	1167
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Photocatalytic Activity of Multicompound TiO2/SiO2 Nanoparticles. Inorganics, 2021, 9, 21.	2.7	8
2	High-speed production of antibacterial fabrics using liquid flame spray. Textile Reseach Journal, 2020, 90, 503-511.	2.2	8
3	Protective stainless steel micropillars for enhanced photocatalytic activity of TiO2 nanoparticles during wear. Surface and Coatings Technology, 2020, 381, 125201.	4.8	6
4	Paperboard as a substrate for biocompatible slippery liquid-infused porous surfaces. Nordic Pulp and Paper Research Journal, 2020, 35, 479-489.	0.7	2
5	Characterization of flame coated nanoparticle surfaces with antibacterial properties and the heat-induced embedding in thermoplastic-coated paper. SN Applied Sciences, 2019, 1, 1.	2.9	2
6	On the limit of superhydrophobicity: defining the minimum amount of TiO₂ nanoparticle coating. Materials Research Express, 2019, 6, 035004.	1.6	6
7	Effect of plasma coating on antibacterial activity of silver nanoparticles. Thin Solid Films, 2019, 672, 75-82.	1.8	19
8	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.	21.0	117
9	Characteristics of nFOG, an aerosol-based wet thin film coating technique. Journal of Coatings Technology Research, 2018, 15, 623-632.	2.5	4
10	Icephobicity of Slippery Liquid Infused Porous Surfaces under Multiple Freezeâ€“Thaw and Ice Accretionâ€“Detachment Cycles. Advanced Materials Interfaces, 2018, 5, 1800828.	3.7	57
11	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, .	3.3	57
12	Comparison of different coating techniques on the properties of FucoPol films. International Journal of Biological Macromolecules, 2017, 103, 268-274.	7.5	2
13	One-step flame synthesis of silver nanoparticles for roll-to-roll production of antibacterial paper. Applied Surface Science, 2017, 420, 558-565.	6.1	32
14	Characterization of bidisperse magnetorheological fluids utilizing maghemite (Î³-Fe₂O₃) nanoparticles synthetized by flame spray pyrolysis. Smart Materials and Structures, 2017, 26, 095004.	3.5	20
15	Aerosol analysis of residual and nanoparticle fractions from spray pyrolysis of poorly volatile precursors. AICHE Journal, 2017, 63, 881-892.	3.6	13
16	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.	0.7	2
17	Liquid Flame Sprayâ€”A Hydrogen-Oxygen Flame Based Method for Nanoparticle Synthesis and Functional Nanocoatings. KONA Powder and Particle Journal, 2017, 34, 141-154.	1.7	20
18	Antimicrobial characterization of silver nanoparticle-coated surfaces by “touch test” method. Nanotechnology, Science and Applications, 2017, Volume 10, 137-145.	4.6	26

#	Article	IF	Citations
19	Planar fluidic channels on TiO2 nanoparticle coated paperboard. Nordic Pulp and Paper Research Journal, 2016, 31, 232-238.	0.7	4
20	Superamphiphobic overhang structured coating on a biobased material. Applied Surface Science, 2016, 389, 135-143.	6.1	38
21	Wetting hysteresis induced by temperature changes: Supercooled water on hydrophobic surfaces. Journal of Colloid and Interface Science, 2016, 468, 21-33.	9.4	40
22	Hydrophobisation of wood surfaces by combining liquid flame spray (LFS) and plasma treatment: dynamic wetting properties. Holzforschung, 2016, 70, 527-537.	1.9	27
23	Roll-to-Roll Coating by Liquid Flame Spray Nanoparticle Deposition. Materials Research Society Symposia Proceedings, 2015, 1747, 37.	0.1	2
24	Long-term corrosion protection by a thin nano-composite coating. Applied Surface Science, 2015, 357, 2333-2342.	6.1	21
25	Coating of Silica and Titania Aerosol Nanoparticles by Silver Vapor Condensation. Aerosol Science and Technology, 2015, 49, 767-776.	3.1	3
26	Binary TiO2/SiO2 nanoparticle coating for controlling the wetting properties of paperboard. Materials Chemistry and Physics, 2015, 149-150, 230-237.	4.0	26
27	Review on Liquid Flame Spray in paper converting: Multifunctional superhydrophobic nanoparticle coatings. Nordic Pulp and Paper Research Journal, 2014, 29, 747-759.	0.7	11
28	Paper-Based Microfluidics: Fabrication Technique and Dynamics of Capillary-Driven Surface Flow. ACS Applied Materials & Interfaces, 2014, 6, 20060-20066.	8.0	107
29	Surface-enhanced Raman scattering active substrates by liquid flame spray deposited and inkjet printed silver nanoparticles. Optical Review, 2014, 21, 339-344.	2.0	5
30	Switchable water absorption of paper via liquid flame spray nanoparticle coating. Cellulose, 2014, 21, 2033-2043.	4.9	3
31	Adjustable wetting of Liquid Flame Spray (LFS) TiO₂-nanoparticle coated board: Batch-type versus roll-to-roll stimulation methods. Nordic Pulp and Paper Research Journal, 2014, 29, 271-279.	0.7	4
32	Compressibility of porous TiO2 nanoparticle coating on paperboard. Nanoscale Research Letters, 2013, 8, 444.	5.7	10
33	Wear resistance of nanoparticle coatings on paperboard. Wear, 2013, 307, 112-118.	3.1	22
34	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.	4.9	31
35	ToF-SIMS Analysis of UV-Switchable TiO₂-Nanoparticle-Coated Paper Surface. Langmuir, 2013, 29, 3780-3790.	3.5	36
36	Atmospheric synthesis of superhydrophobic TiO2 nanoparticle deposits in a single step using Liquid Flame Spray. Journal of Aerosol Science, 2012, 52, 57-68.	3.8	34