

Turkka Salminen

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

493
citations

567281

15
h-index

677142

22
g-index

28
all docs

28
docs citations

28
times ranked

933
citing authors

#	ARTICLE	IF	CITATIONS
1	Highly ductile amorphous oxide at room temperature and high strain rate. <i>Science</i> , 2019, 366, 864-869.	12.6	107
2	An Unexpected Role of Hyaluronic Acid in Trafficking siRNA Across the Cellular Barrier: The First Biomimetic, Anionic, Non-viral Transfection Method. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 2815-2819.	13.8	33
3	Influence of powder composition and manufacturing method on electrical and chromium barrier properties of atmospheric plasma sprayed spinel coatings prepared from MnCo ₂ O ₄ and Mn ₂ CoO ₄ +Co powders on Crofer 22 APU interconnectors. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 17246-17257.	7.1	30
4	Gas phase synthesis of encapsulated iron oxide-titanium dioxide composite nanoparticles by spray pyrolysis. <i>Powder Technology</i> , 2013, 243, 46-52.	4.2	28
5	Tribocorrosion behaviour of aluminium bronze in 3.5 wt.% NaCl solution. <i>Corrosion Science</i> , 2018, 144, 207-223.	6.6	25
6	High molecular weight block copolymer lithography for nanofabrication of hard mask and photonic nanostructures. <i>Journal of Colloid and Interface Science</i> , 2019, 534, 420-429.	9.4	22
7	Single-step fabrication of luminescent GaAs nanocrystals by pulsed laser ablation in liquids. <i>Optical Materials Express</i> , 2012, 2, 799.	3.0	21
8	Block Copolymer Patterning for Creating Porous Silicon Thin Films with Tunable Refractive Indices. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 31260-31265.	8.0	21
9	Multiphase Ti _x O _y nanoparticles by pulsed laser ablation of titanium in supercritical CO ₂ . <i>Applied Surface Science</i> , 2019, 476, 822-827.	6.1	21
10	Hematite Surface Modification toward Efficient Sunlight-Driven Water Splitting Activity: The Role of Gold Nanoparticle Addition. <i>Journal of Physical Chemistry C</i> , 2020, 124, 6171-6179.	3.1	21
11	Coating of gold nanoparticles made by pulsed laser ablation in liquids with silica shells by simultaneous chemical synthesis. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 3047-3051.	2.8	19
12	Effect of Partial Crystallization on the Structural and Luminescence Properties of Er ³⁺ -Doped Phosphate Glasses. <i>Materials</i> , 2017, 10, 473.	2.9	19
13	Ion Beam Assisted E-Beam Deposited TiN Microelectrodes Applied to Neuronal Cell Culture Medium Evaluation. <i>Frontiers in Neuroscience</i> , 2018, 12, 882.	2.8	18
14	Automated solvent vapor annealing with nanometer scale control of film swelling for block copolymer thin films. <i>Soft Matter</i> , 2019, 15, 7909-7917.	2.7	16
15	Enhancement of photocurrent in GaInNAs solar cells using Ag/Cu double-layer back reflector. <i>Applied Physics Letters</i> , 2016, 109, .	3.3	15
16	Morphology evolution of PS- b -PDMS block copolymer and its hierarchical directed self-assembly on block copolymer templates. <i>Microelectronic Engineering</i> , 2018, 192, 1-7.	2.4	12
17	Better understanding of the role of SiO ₂ , P ₂ O ₅ and Al ₂ O ₃ on the spectroscopic properties of Yb ³⁺ -doped silica sol-gel glasses. <i>Journal of Non-Crystalline Solids</i> , 2018, 482, 46-51.	3.1	11
18	Pulsed laser deposition of yttria-stabilized zirconium dioxide with high repetition rate picosecond fiber laser. <i>Applied Physics A: Materials Science and Processing</i> , 2010, 98, 487-490.	2.3	8

#	ARTICLE	IF	CITATIONS
19	Tribocorrosion behaviour of two low-alloy steel grades in simulated waste solution. Tribology International, 2019, 138, 250-262.	5.9	8
20	Enhanced photoactive and photoelectrochemical properties of TiO ₂ sol-gel coated steel by the application of SiO ₂ intermediate layer. Applied Catalysis B: Environmental, 2015, 174-175, 533-543.	20.2	7
21	Controlling the phase of iron oxide nanoparticles fabricated from iron(III) nitrate by liquid flame spray. International Journal of Ceramic Engineering & Science, 2019, 1, 194-205.	1.2	7
22	Carbon coated TiO ₂ nanoparticles prepared by pulsed laser ablation in liquid, gaseous and supercritical CO ₂ . Nanotechnology, 2020, 31, 085602.	2.6	6
23	Formation and use of biogenic jarosite carrier for high-rate iron oxidising biofilms. Research in Microbiology, 2020, 171, 243-251.	2.1	6
24	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
25	Picosecond pulse laser ablation of yttria-stabilized zirconia from kilohertz to megahertz repetition rates. Applied Physics A: Materials Science and Processing, 2010, 101, 735-738.	2.3	3
26	Roll-to-roll manufacturing of disposable surface-enhanced Raman scattering (SERS) sensors on paper based substrates. Nordic Pulp and Paper Research Journal, 2017, 32, 222-228.	0.7	2
27	Bandgap energy model for GaInNAsSb/GaAs alloys with high N content and strain influence. Journal of Crystal Growth, 2022, 584, 126574.	1.5	2