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List of Publications by Year in descending order

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70
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1,739
citations

257450

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70
docs citations

70
times ranked

2191
citing authors

#	ARTICLE	IF	CITATIONS
1	Tuning of the Size of Dy ₂ O ₃ Nanoparticles for Optimal Performance as an MRI Contrast Agent. <i>Journal of the American Chemical Society</i> , 2008, 130, 5335-5340.	13.7	117
2	MRI contrast agents based on dysprosium or holmium. <i>Progress in Nuclear Magnetic Resonance Spectroscopy</i> , 2011, 59, 64-82.	7.5	116
3	Fabrication of high quality anodic aluminum oxide (AAO) on low purity aluminum—A comparative study with the AAO produced on high purity aluminum. <i>Electrochimica Acta</i> , 2013, 105, 424-432.	5.2	109
4	NMR Transversal Relaxivity of Suspensions of Lanthanide Oxide Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2007, 111, 10240-10246.	3.1	67
5	Review Article: Recommended reading list of early publications on atomic layer deposition—Outcome of the “Virtual Project on the History of ALD”. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2017, 35, .	2.1	65
6	Fast Fourier transform based arrangement analysis of poorly organized alumina nanopores formed via self-organized anodization in chromic acid. <i>Materials Letters</i> , 2014, 117, 69-73.	2.6	62
7	Fabrication of anodic aluminum oxide with incorporated chromate ions. <i>Applied Surface Science</i> , 2012, 259, 324-330.	6.1	58
8	The impact of viscosity of the electrolyte on the formation of nanoporous anodic aluminum oxide. <i>Electrochimica Acta</i> , 2014, 133, 57-64.	5.2	50
9	Mg ₂ NiH ₄ synthesis and decomposition reactions. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 4003-4010.	7.1	44
10	Ethanol influence on arrangement and geometrical parameters of aluminum concaves prepared in a modified hard anodization for fabrication of highly ordered nanoporous alumina. <i>Journal of Electroanalytical Chemistry</i> , 2015, 750, 79-88.	3.8	44
11	Monolithic porous graphitic carbons obtained through catalytic graphitization of carbon xerogels. <i>Journal of Physics and Chemistry of Solids</i> , 2013, 74, 101-109.	4.0	43
12	The influence of electrolyte composition on the growth of nanoporous anodic alumina. <i>Electrochimica Acta</i> , 2016, 211, 453-460.	5.2	43
13	UV plasmonic-based sensing properties of aluminum nanoconcave arrays. <i>Current Applied Physics</i> , 2014, 14, 1514-1520.	2.4	41
14	A comparative study of electrochemical barrier layer thinning for anodic aluminum oxide grown on technical purity aluminum. <i>Journal of Electroanalytical Chemistry</i> , 2015, 741, 80-86.	3.8	37
15	Hierarchical, nanoporous graphenic carbon materials through an instant, self-sustaining magnesiothermic reduction. <i>Carbon</i> , 2016, 96, 937-946.	10.3	37
16	Ultra-small nanopores obtained by self-organized anodization of aluminum in oxalic acid at low voltages. <i>Materials Letters</i> , 2013, 111, 20-23.	2.6	36
17	Synthesis and decomposition mechanisms of ternary Mg ₂ CoH ₅ studied using in situ synchrotron X-ray diffraction. <i>International Journal of Hydrogen Energy</i> , 2011, 36, 10760-10770.	7.1	34
18	Controlling of water wettability by structural and chemical modification of porous anodic alumina (PAA): Towards super-hydrophobic surfaces. <i>Surface and Coatings Technology</i> , 2015, 276, 464-470.	4.8	33

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19	Effect of ethylene glycol on morphology of anodic alumina prepared in hard anodization. <i>Journal of Electroanalytical Chemistry</i> , 2016, 762, 20-28.	3.8	33
20	Morphology and Transport Rates of Mixed IV-VI Compounds in Microgravity. <i>Journal of the Electrochemical Society</i> , 1977, 124, 1095-1102.	2.9	32
21	A simple method of synthesis and surface purification of titanium carbide powder. <i>International Journal of Refractory Metals and Hard Materials</i> , 2013, 38, 87-91.	3.8	32
22	Heterogeneous iron-containing carbon gels as catalysts for oxygen electroreduction: Multifunctional role of sulfur in the formation of efficient systems. <i>Carbon</i> , 2017, 116, 655-669.	10.3	31
23	¹ H Relaxivity of Water in Aqueous Suspensions of Gd ³⁺ -Loaded NaY Nanozeolites and AlTUD-1 Mesoporous Material: The Influence of Si/Al Ratio and Pore Size. <i>Inorganic Chemistry</i> , 2007, 46, 6190-6196.	4.0	30
24	Anodization of cold deformed technical purity aluminum (AA1050) in oxalic acid. <i>Surface and Coatings Technology</i> , 2014, 258, 268-274.	4.8	24
25	Catalytic stability and surface analysis of microcrystalline Ni ₃ Al thin foils in methanol decomposition. <i>Applied Surface Science</i> , 2014, 293, 169-176.	6.1	23
26	Plasmonic enhancement of blue emission from ZnO nanorods grown on the anodic aluminum oxide (AAO) template. <i>Applied Physics A: Materials Science and Processing</i> , 2013, 111, 265-271.	2.3	22
27	Incorporation of copper chelate ions into anodic alumina walls. <i>Materials Letters</i> , 2013, 106, 242-245.	2.6	22
28	Nanoporous alumina formed by self-organized two-step anodization of Ni ₃ Al intermetallic alloy in citric acid. <i>Applied Surface Science</i> , 2013, 264, 605-610.	6.1	21
29	Heterogeneous Carbon Gels: N-Doped Carbon Xerogels from Resorcinol and N-Containing Heterocyclic Aldehydes. <i>Langmuir</i> , 2014, 30, 14276-14285.	3.5	21
30	Approaches to enhance UV light emission in ZnO nanomaterials. <i>Current Applied Physics</i> , 2019, 19, 867-883.	2.4	20
31	Study on the correlation between criterion number derived from Rayleigh-Bénard convective cells and arrangement of nanoporous anodic aluminum oxide. <i>Materials Letters</i> , 2014, 125, 124-127.	2.6	19
32	Copolycondensation of heterocyclic aldehydes: A general approach to sulfur and nitrogen dually-doped carbon gels. <i>Microporous and Mesoporous Materials</i> , 2016, 225, 198-209.	4.4	19
33	In-situ electrochemical doping of nanoporous anodic aluminum oxide with indigo carmine organic dye. <i>Thin Solid Films</i> , 2016, 598, 60-64.	1.8	18
34	A comparative study on the hydrogen absorption of thin films at room temperature deposited on non-porous glass substrate and nano-porous anodic aluminum oxide (AAO) template. <i>International Journal of Hydrogen Energy</i> , 2011, 36, 11777-11784.	7.1	17
35	Fabrication and geometric characterization of highly-ordered hexagonally arranged arrays of nanoporous anodic alumina. <i>Polish Journal of Chemical Technology</i> , 2014, 16, 63-69.	0.5	17
36	Plasmonic enhancement of UV emission from ZnO thin films induced by Al nano-concave arrays. <i>Applied Surface Science</i> , 2016, 384, 18-26.	6.1	16

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37	Spectroscopy and Photophysics of Monoazaphenanthrenes I. Absorption and Fluorescence Spectra of Phenanthridine and 7,8-Benzoquinoline. <i>Acta Physica Polonica A</i> , 2003, 104, 425-439.	0.5	16
38	Tailoring UV emission from a regular array of ZnO nanotubes by the geometrical parameters of the array and Al ₂ O ₃ coating. <i>Ceramics International</i> , 2017, 43, 5693-5701.	4.8	15
39	Carbide-derived carbon obtained via bromination of titanium carbide: Comparative analysis with chlorination and hydrogen storage studies. <i>Microporous and Mesoporous Materials</i> , 2019, 273, 26-34.	4.4	15
40	NMR Transversal relaxivity of aqueous suspensions of particles of Ln ³⁺ -based zeolite type materials. <i>Dalton Transactions</i> , 2008, , 2241.	3.3	14
41	Morphological, structural and optical characterization of SnO ₂ nanotube arrays fabricated using anodic alumina (AAO) template-assisted atomic layer deposition. <i>Materials Characterization</i> , 2018, 136, 52-59.	4.4	13
42	Morphological and chemical characterization of highly ordered conical-pore anodic alumina prepared by multistep citric acid anodizing and chemical etching process. <i>Journal of Porous Materials</i> , 2018, 25, 45-53.	2.6	13
43	Tailoring of UV/violet plasmonic properties in Ag, and Cu coated Al concaves arrays. <i>Applied Surface Science</i> , 2014, 314, 807-814.	6.1	12
44	Influence of Anodization Temperature on Geometrical and Optical Properties of Porous Anodic Alumina(PAA)-Based Photonic Structures. <i>Materials</i> , 2020, 13, 3185.	2.9	12
45	Fabrication and characterization of oxide nano-needles formed by copper passivation in sodium hydroxide solution. <i>Thin Solid Films</i> , 2019, 671, 111-119.	1.8	11
46	On-Aluminum and Barrier Anodic Oxide: Meeting the Challenges of Chemical Dissolution Rate in Various Acids and Solutions. <i>Coatings</i> , 2020, 10, 875.	2.6	11
47	Optical Properties of Porous Alumina Assisted Niobia Nanostructured Films – Designing 2-D Photonic Crystals Based on Hexagonally Arranged Nanocolumns. <i>Micromachines</i> , 2021, 12, 589.	2.9	11
48	H ₂ absorption at ambient conditions by anodized aluminum oxide (AAO) pattern-transferred Pd nanotubes occluded by Mg nanoparticles. <i>Materials Chemistry and Physics</i> , 2012, 133, 376-382.	4.0	10
49	Structural and Optical Characterization of ZnS Ultrathin Films Prepared by Low-Temperature ALD from Diethylzinc and 1,5-Pentanedithiol after Various Annealing Treatments. <i>Materials</i> , 2019, 12, 3212.	2.9	10
50	Peculiar Porous Aluminum Oxide Films Produced via Electrochemical Anodizing in Malonic Acid Solution with Arsenazo-I Additive. <i>Materials</i> , 2021, 14, 5118.	2.9	10
51	The influence of pre-anodization voltage on pore arrangement in anodic alumina produced by hard anodization. <i>Materials Letters</i> , 2016, 183, 5-8.	2.6	9
52	Manufacturing of highly ordered porous anodic alumina with conical pore shape and tunable interpore distance in the range of 550 nm to 650 nm. <i>Materials Science-Poland</i> , 2017, 35, 511-518.	1.0	9
53	Origin of microporosity in chalcogen-doped carbon materials: The case of selenium-doped carbogels. <i>Microporous and Mesoporous Materials</i> , 2018, 272, 260-264.	4.4	9
54	Infrared Absorption Study of ZnS Hybrid and ZnS Ultrathin Films Deposited on Porous AAO Ceramic Support. <i>Coatings</i> , 2020, 10, 459.	2.6	9

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55	Oxidative and adsorptive removal of chlorophenols over Fe-, N- and S-multi-doped carbon xerogels. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105568.	6.7	9
56	Multi-band emission in a wide wavelength range from tin oxide/Au nanocomposites grown on porous anodic alumina substrate (AAO). <i>Applied Surface Science</i> , 2013, 287, 143-149.	6.1	8
57	Towards Self-Organized Anodization of Aluminum in Malic Acid Solutions – New Aspects of Anodization in the Organic Acid. <i>Materials</i> , 2020, 13, 3899.	2.9	8
58	Fabrication of Porous Anodic Alumina (PAA) by High-Temperature Pulse-Anodization: Tuning the Optical Characteristics of PAA-Based DBR in the NIR-MIR Region. <i>Materials</i> , 2020, 13, 5622.	2.9	8
59	Advanced Image Analysis of the Surface Pattern Emerging in Ni3Al Intermetallic Alloys on Anodization. <i>Frontiers in Materials</i> , 2016, 3, .	2.4	7
60	Revisiting semicontinuous silver films as surface-enhanced Raman spectroscopy substrates. <i>Beilstein Journal of Nanotechnology</i> , 2019, 10, 1048-1055.	2.8	7
61	Peculiarities of Aluminum Anodization in AHAs-Based Electrolytes: Case Study of the Anodization in Glycolic Acid Solution. <i>Materials</i> , 2021, 14, 5362.	2.9	6
62	Anodic alumina growth on Al substrates after multi-variant mechanical and heat treatment. <i>Surface and Coatings Technology</i> , 2019, 357, 802-810.	4.8	5
63	Spectroscopy and Photophysics of Monoazaphenanthrenes III. Luminescence of Phenanthridine and 7,8-benzoquinoline in Crystalline State. <i>Acta Physica Polonica A</i> , 2004, 106, 77-94.	0.5	5
64	Effect of Various Electrolyte Modifiers on Anodic Alumina (AAO) Growth and Morphology. <i>Current Nanoscience</i> , 2018, 15, 76-83.	1.2	5
65	Charge Density-Versus Time-Controlled Pulse Anodization in the Production of PAA-Based DBRs for MIR Spectral Region. <i>Energies</i> , 2021, 14, 5149.	3.1	4
66	Systematic Study on Morphology of Anodic Alumina Produced by Hard Anodization in the Electrolytes Modified with Ethylene Glycol. <i>Journal of Nano Research</i> , 2017, 46, 165-178.	0.8	2
67	Optimization of UV luminescence from ZnO thin film: A combined effect of Al concave arrays and Al ₂ O ₃ coating. <i>Materials Letters</i> , 2018, 229, 185-188.	2.6	2
68	Recent Advances in Metal, Ceramic, and Metal – Ceramic Composite Films/Coatings. <i>Coatings</i> , 2022, 12, 571.	2.6	1
69	Improved anti-reflective properties of amorphous silicon films deposited on Al nanoconcave arrays. <i>Materials Letters</i> , 2014, 135, 199-201.	2.6	0
70	Moth-Eye Mimicking By Electrochemical Oxidation Of Aluminum. , 2018, , .		0