

Marcin Aapiński

List of Publications by Year in descending order

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82
papers

1,061
citations

516215

16
h-index

580395

25
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83
all docs

83
docs citations

83
times ranked

1449
citing authors

#	ARTICLE	IF	CITATIONS
1	Carnivorous plants used for green synthesis of silver nanoparticles with broad-spectrum antimicrobial activity. <i>Arabian Journal of Chemistry</i> , 2020, 13, 1415-1428.	2.3	68
2	UV-Vis-Induced Degradation of Phenol over Magnetic Photocatalysts Modified with Pt, Pd, Cu and Au Nanoparticles. <i>Nanomaterials</i> , 2018, 8, 28.	1.9	60
3	Structural and electrical properties of Sr(Ti, Fe)O _{3-δ} materials for SOFC cathodes. <i>Journal of Electroceramics</i> , 2012, 28, 80-87.	0.8	56
4	Tailoring properties of reduced graphene oxide by oxygen plasma treatment. <i>Applied Surface Science</i> , 2018, 440, 651-659.	3.1	55
5	Novel Class of Proton Conducting Materials—High Entropy Oxides. , 2020, 2, 1315-1321.		50
6	Cu-Doped Layered Double Hydroxide Constructs the Performance-Enhanced Supercapacitor Via Band Gap Reduction and Defect Triggering. <i>ACS Applied Energy Materials</i> , 2022, 5, 2192-2201.	2.5	45
7	Eu ³⁺ doped tellurite glass ceramics containing SrF ₂ nanocrystals: Preparation, structure and luminescence properties. <i>Journal of Alloys and Compounds</i> , 2017, 696, 619-626.	2.8	34
8	The Influence of Thermal Conditions on V ₂ O ₅ Nanostructures Prepared by Sol-Gel Method. <i>Journal of Nanomaterials</i> , 2015, 2015, 1-8.	1.5	24
9	From structure to luminescence investigation of oxyfluoride transparent glasses and glass-ceramics doped with Eu ³⁺ /Dy ³⁺ ions. <i>Journal of Alloys and Compounds</i> , 2019, 806, 1410-1418.	2.8	24
10	The influence of nanostructure size on V ₂ O ₅ electrochemical properties as cathode materials for lithium ion batteries. <i>RSC Advances</i> , 2016, 6, 55689-55697.	1.7	22
11	Processing of Polyester-Urethane Filament and Characterization of FFF 3D Printed Elastic Porous Structures with Potential in Cancellous Bone Tissue Engineering. <i>Materials</i> , 2020, 13, 4457.	1.3	22
12	Photoinduced K ⁺ Intercalation into MoO ₃ /FTO Photoanode—the Impact on the Photoelectrochemical Performance. <i>Electrocatalysis</i> , 2020, 11, 111-120.	1.5	20
13	Surface modification of PMMA polymer and its composites with PC61BM fullerene derivative using an atmospheric pressure microwave argon plasma sheet. <i>Scientific Reports</i> , 2021, 11, 9270.	1.6	20
14	Ciprofloxacin-Modified Degradable Hybrid Polyurethane-Polylactide Porous Scaffolds Developed for Potential Use as an Antibacterial Scaffold for Regeneration of Skin. <i>Polymers</i> , 2020, 12, 171.	2.0	19
15	Tailored white light emission in Eu ³⁺ /Dy ³⁺ doped tellurite glass phosphors containing Al ³⁺ ions. <i>Optical Materials</i> , 2018, 79, 289-295.	1.7	18
16	Electrical conductivity and relaxation processes in V ₂ O ₅ nanorods prepared by sol-gel method. <i>Physica Status Solidi (B): Basic Research</i> , 2015, 252, 2111-2116.	0.7	17
17	Substrate Dependence in the Formation of Au Nanoislands for Plasmonic Platform Application. <i>Plasmonics</i> , 2020, 15, 101-107.	1.8	17
18	Nano Tin/Tin Oxide Attached onto Graphene Oxide Skeleton as a Fluorine Free Anode Material for Lithium-Ion Batteries. <i>Inorganic Chemistry</i> , 2020, 59, 4150-4159.	1.9	17

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19	Structure and Thermoelectric Properties of Te-Ag-Ge-Sb (TAGS) Materials Obtained by Reduction of Melted Oxide Substrates. <i>Journal of Electronic Materials</i> , 2016, 45, 1085-1093.	1.0	16
20	Evolution of Ag nanostructures created from thin films: UV-vis absorption and its theoretical predictions. <i>Beilstein Journal of Nanotechnology</i> , 2020, 11, 494-507.	1.5	16
21	Au-Si plasmonic platforms: synthesis, structure and FDTD simulations. <i>Beilstein Journal of Nanotechnology</i> , 2018, 9, 2599-2608.	1.5	15
22	Influence of Selected Saccharides on the Precipitation of Calcium-Vaterite Mixtures by the CO ₂ Bubbling Method. <i>Crystals</i> , 2019, 9, 117.	1.0	15
23	Fully scalable one-pot method for the production of phosphonic graphene derivatives. <i>Beilstein Journal of Nanotechnology</i> , 2017, 8, 1094-1103.	1.5	14
24	Structural and luminescent study of TeO ₂ -BaO-Bi ₂ O ₃ -Ag glass system doped with Eu ³⁺ and Dy ³⁺ for possible color-tunable phosphor application. <i>Optical Materials</i> , 2018, 79, 390-396.	1.7	14
25	Structure and thermoelectric properties of bismuth telluride-Carbon composites. <i>Materials Research Bulletin</i> , 2018, 99, 10-17.	2.7	14
26	CeIr ₃ : superconductivity in a phase based on tetragonally close packed clusters. <i>Superconductor Science and Technology</i> , 2019, 32, 025008.	1.8	14
27	From Structure to Luminescent Properties of B ₂ O ₃ -Bi ₂ O ₃ -SrF ₂ Glass and Glass-Ceramics Doped with Eu ³⁺ Ions. <i>Materials</i> , 2021, 14, 4490.	1.3	14
28	Precipitation and Transformation of Vaterite Calcium Carbonate in the Presence of Some Organic Solvents. <i>Materials</i> , 2020, 13, 2742.	1.3	13
29	Influence of alkali metal cations on the photoactivity of crystalline and exfoliated amorphous WO ₃ photointercalation phenomenon. <i>Applied Catalysis B: Environmental</i> , 2021, 298, 120527.	10.8	13
30	A study of the kinetics of bismuth telluride synthesis by an oxide reduction method. <i>Thermochimica Acta</i> , 2020, 683, 178437.	1.2	12
31	Effect of selected ammonia escape inhibitors on carbon dioxide capture and utilization via calcium carbonate precipitation. <i>Journal of CO₂ Utilization</i> , 2020, 42, 101298.	3.3	12
32	Manganese-Cobalt Based Spinel Coatings Processed by Electrophoretic Deposition Method: The Influence of Sintering on Degradation Issues of Solid Oxide Cell Oxygen Electrodes at 750 °C. <i>Materials</i> , 2021, 14, 3836.	1.3	12
33	Experimental tuning of AuAg nanoalloy plasmon resonances assisted by machine learning method. <i>Applied Surface Science</i> , 2021, 567, 150802.	3.1	11
34	Exsolution of Ni nanoparticles on the surface of cerium and nickel co-doped lanthanum strontium titanate as a new anodic layer for DIR-SOFC. Anti-coking potential and H ₂ S poisoning resistance of the prepared material. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 29186-29200.	3.8	11
35	Polaron hopping conduction in manganese borosilicate glass. <i>Journal of Non-Crystalline Solids</i> , 2017, 458, 15-21.	1.5	10
36	Precipitation of Spherical Vaterite Particles via Carbonation Route in the Bubble Column and the Gas-Lift Reactor. <i>Jom</i> , 2019, 71, 1041-1048.	0.9	10

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37	Improving the Performance of a Graphite Foil/Polyaniline Electrode Material by a Thin PEDOT:PSS Layer for Application in Flexible, High Power Supercapacitors. <i>Materials</i> , 2020, 13, 5791.	1.3	10
38	Two kinds of oxygen vacancies in lithium titanate doped with copper as detected by EPR. <i>Solid State Sciences</i> , 2020, 106, 106337.	1.5	10
39	Polyurethane Composite Scaffolds Modified with the Mixture of Gelatin and Hydroxyapatite Characterized by Improved Calcium Deposition. <i>Polymers</i> , 2020, 12, 410.	2.0	10
40	Improvement of Oxygen Electrode Performance of Intermediate Temperature Solid Oxide Cells by Spray Pyrolysis Deposited Active Layers. <i>Advanced Materials Interfaces</i> , 2021, 8, 2002227.	1.9	10
41	The Effect of Cobalt Incorporation into Nickel-iron Oxide/(oxy)hydroxide Catalyst on Electrochemical Performance Toward Oxygen Evolution Reaction. <i>Energy Technology</i> , 2021, 9, 2100688.	1.8	10
42	Pilot-Scale Studies of WO ₃ /S-Doped g-C ₃ N ₄ Heterojunction toward Photocatalytic NO _x Removal. <i>Materials</i> , 2022, 15, 633.	1.3	10
43	Structural and luminescence investigation of GeO ₂ -PbO-Bi ₂ O ₃ -SrF ₂ glasses doped with Eu ³⁺ , Tb ³⁺ and Tm ³⁺ ions. <i>Journal of Non-Crystalline Solids</i> , 2017, 462, 41-46.	1.5	9
44	Role of MnO in manganese-borate binary glass systems: a study on structure and thermal properties. <i>Bulletin of Materials Science</i> , 2017, 40, 933-938.	0.8	9
45	Heat Treatment Effect on Eu ³⁺ Doped TeO ₂ -BaO-Bi ₂ O ₃ Glass Systems with Ag Nanoparticles. <i>Journal of Nanomaterials</i> , 2017, 2017, 1-12.	1.5	9
46	Synthesis of Phosphonated Carbon Nanotubes: New Insight into Carbon Nanotubes Functionalization. <i>Materials</i> , 2021, 14, 2726.	1.3	9
47	Physicochemical properties of Mn _{1.45} Co _{1.45} Cu _{0.1} O ₄ spinel coating deposited on the Crofer 22 H ferritic steel and exposed to high-temperature oxidation under thermal cycling conditions. <i>Journal of Thermal Analysis and Calorimetry</i> , 2022, 147, 5649-5666.	2.0	9
48	Titania nanotubes modified by a pyrolyzed metal-organic framework with zero valent iron centers as a photoanode with enhanced photoelectrochemical, photocatalytic activity and high capacitance. <i>Electrochimica Acta</i> , 2018, 278, 13-24.	2.6	8
49	New plasmonic platform for enhanced luminescence of Valrubicin. <i>Optical Materials</i> , 2018, 83, 225-228.	1.7	8
50	Deposition and Electrical and Structural Properties of La _{0.6} Sr _{0.4} CoO ₃ Thin Films for Application in High-Temperature Electrochemical Cells. <i>Journal of Electronic Materials</i> , 2019, 48, 5428-5441.	1.0	8
51	XPS Study of Superconducting LiTi ₂ O ₄ and LiTi _{2-x} Cu _x O ₄ Sol-Gel Derived Powders and Thin Films. <i>Acta Physica Polonica A</i> , 2014, 126, A-107-A-110.	0.2	7
52	Tin Oxide Encapsulated into Pyrolyzed Chitosan as a Negative Electrode for Lithium Ion Batteries. <i>Materials</i> , 2021, 14, 1156.	1.3	7
53	Influence of selected CO ₂ absorption promoters on the characteristics of calcium carbonate particles produced by carbonation of the post-distillation liquid from the Solvay process. <i>Powder Technology</i> , 2021, 391, 432-441.	2.1	7
54	Bis-phosphonated carbon nanotubes: One pot synthesis and their application as efficient adsorbent of mercury. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2018, 26, 269-277.	1.0	6

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55	Fabrication, structural and electrical properties of Sr(V,Nb)O _{3-\hat{f}} perovskite materials. Materials Chemistry and Physics, 2018, 212, 446-452.	2.0	6
56	Widening of the electroactivity potential range by composite formation of capacitive properties of TiO ₂ /BiVO ₄ /PEDOT:PSS electrodes in contact with an aqueous electrolyte. Beilstein Journal of Nanotechnology, 2019, 10, 483-493.	1.5	6
57	The Influence of the Electrodeposition Parameters on the Properties of Mn-Co-Based Nanofilms as Anode Materials for Alkaline Electrolysers. Materials, 2020, 13, 2662.	1.3	6
58	Scaling Up the Process of Titanium Dioxide Nanotube Synthesis and Its Effect on Photoelectrochemical Properties. Materials, 2021, 14, 5686.	1.3	6
59	Electrical and optical characterization of ITO thin films. , 2009, , .		5
60	The study of structure and surface morphology of lithium titanate sol-gel derived thin films. Journal of Physics and Chemistry of Solids, 2013, 74, 575-578.	1.9	5
61	Solvent-Free Synthesis of Phosphonic Graphene Derivative and Its Application in Mercury Ions Adsorption. Nanomaterials, 2019, 9, 485.	1.9	5
62	Gigantic electro-chemo-mechanical properties of nanostructured praseodymium doped ceria. Nanoscale, 2021, 13, 7583-7589.	2.8	5
63	Praseodymium Orthoniobate and Praseodymium Substituted Lanthanum Orthoniobate: Electrical and Structural Properties. Materials, 2022, 15, 2267.	1.3	5
64	Preparation of Hydrogen Electrodes of Solid Oxide Cells by Infiltration: Effects of the Preparation Procedure on the Resulting Microstructure. Materials, 2020, 13, 131.	1.3	4
65	Intermetallic disordered magnetism in Gd ₂ AlB ₂ and its relation to other intermetallics. Physical Review B, 2022, 105, .	1.1	4
66	Structural and optical investigations of sol-gel derived lithium titanate thin films. Journal of Alloys and Compounds, 2012, 536, 30-32.	2.8	3
67	Application of wet powder spraying for anode supported solid oxide fuel cell with a perovskite SrTi _{0.98} Nb _{0.02} O _{3-\hat{f}} anode. Physica Status Solidi (A) Applications and Materials Science, 2013, 210, 2736-2741.	0.8	3
68	Influence of yttria surface modification on high temperature corrosion of porous Ni ₂₂ Cr alloy. International Journal of Applied Ceramic Technology, 2018, 15, 361-369.	1.1	3
69	Structure and optical parameters of Eu doped tellurium oxide thin films prepared by reactive magnetron sputtering method. Thin Solid Films, 2019, 691, 137592.	0.8	3
70	The influence of thermal treatment on electrocatalytic properties of Mn-Co nanofilms on nickel foam toward oxygen evolution reaction activity. Materials Letters, 2020, 258, 126759.	1.3	2
71	The unstable thermoelectric effect in non-stoichiometric Cu ₂ Se during the non-equilibrium phase transition. Journal of Materials Science, 2021, 56, 13705-13714.	1.7	2
72	A dual-control strategy based on electrode material and electrolyte optimization to construct an asymmetric supercapacitor with high energy density. Nanotechnology, 2022, , .	1.3	2

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73	Influence of Tb-dopant on water adsorption and wettability of TiO ₂ thin films. , 2009, , .		1
74	Study of antistatic properties of TiO ₂ ∶ Tb and TiO ₂ ∶ (Tb,Pd) thin films obtained by magnetron sputtering process. , 2009, , .		1
75	FABRICATION AND CHARACTERIZATION OF ANODE SUPPORTED SOLID OXIDE FUEL CELLS. Functional Materials Letters, 2011, 04, 161-164.	0.7	1
76	Structure, luminescent properties and FDTD simulation of TeO ₂ -BaO-Bi ₂ O ₃ -Ag:Ln ³⁺ glass-ceramics system. Journal of Luminescence, 2019, 214, 116539.	1.5	1
77	Superconducting Properties of VN-SiO ₂ Sol-Gel Derived Thin Films. Acta Physica Polonica A, 2012, 121, 832-835.	0.2	1
78	Plasmon-enhanced photoluminescence from TiO ₂ and TeO ₂ thin films doped by Eu ³⁺ for optoelectronic applications. Beilstein Journal of Nanotechnology, 2021, 12, 1271-1278.	1.5	1
79	Electrical properties of polymer coatings modified with nanoadditives. , 2009, , .		0
80	Formation of intermetallic compounds in the solid-liquid composites of the Ga-Ni system. Materials Research Express, 2018, 5, 116532.	0.8	0
81	Changes on the Surface of the SiO ₂ /C Composite, Leading to the Formation of Conductive Carbon Structures with Complex Nature of DC Conductivity. Materials, 2021, 14, 2158.	1.3	0
82	Structure of sol-gel derived Nb ₂ O ₅ films for active coating devices. Photonics Letters of Poland, 2011, 3, .	0.2	0