

Marcin Krajewski

List of Publications by Year in descending order

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Version: 2024-02-01

34
papers

388
citations

933447

10
h-index

794594

19
g-index

34
all docs

34
docs citations

34
times ranked

490
citing authors

#	ARTICLE	IF	CITATIONS
1	Biomass-derived activated carbon material from native European deciduous trees as an inexpensive and sustainable energy material for supercapacitor application. <i>Journal of Energy Storage</i> , 2021, 34, 102178.	8.1	105
2	High temperature oxidation of iron-iron oxide core-shell nanowires composed of iron nanoparticles. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 3900-3909.	2.8	42
3	Structural and magnetic properties of iron nanowires and iron nanoparticles fabricated through a reduction reaction. <i>Beilstein Journal of Nanotechnology</i> , 2015, 6, 1652-1660.	2.8	39
4	Magnetic-field-induced synthesis of magnetic wire-like micro- and nanostructures. <i>Nanoscale</i> , 2017, 9, 16511-16545.	5.6	28
5	Hybrid electrode composed of multiwall carbon nanotubes decorated with magnetite nanoparticles for aqueous supercapacitors. <i>Journal of Energy Storage</i> , 2019, 26, 101020.	8.1	26
6	Impact of thermal oxidation on chemical composition and magnetic properties of iron nanoparticles. <i>Journal of Magnetism and Magnetic Materials</i> , 2018, 458, 346-354.	2.3	17
7	High temperature annealing of iron nanowires. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2015, 212, 862-866.	1.8	15
8	Temperature-controlled synthesis of spinel lithium nickel manganese oxide cathode materials for lithium-ion batteries. <i>Ceramics International</i> , 2020, 46, 20856-20864.	4.8	13
9	Preliminary Studies on Biodegradable Zinc Oxide Nanoparticles Doped with Fe as a Potential Form of Iron Delivery to the Living Organism. <i>Nanoscale Research Letters</i> , 2019, 14, 373.	5.7	11
10	Magnetic-field-induced synthesis of amorphous iron-nickel wire-like nanostructures. <i>Materials Chemistry and Physics</i> , 2020, 246, 122812.	4.0	11
11	The influence of thermal annealing on structure and oxidation of iron nanowires. <i>Nukleonika</i> , 2015, 60, 87-91.	0.8	10
12	Nanocomposite composed of multiwall carbon nanotubes covered by hematite nanoparticles as anode material for Li-ion batteries. <i>Electrochimica Acta</i> , 2017, 228, 82-90.	5.2	8
13	Impact of titanium precursors on formation and electrochemical properties of Li ₄ Ti ₅ O ₁₂ anode materials for lithium-ion batteries. <i>Journal of Solid State Electrochemistry</i> , 2021, 25, 575-582.	2.5	8
14	Amorphous Fe _x Co _{1-x} Wire-like Nanostructures Manufactured through Surfactant-Free Magnetic-Field-Induced Synthesis. <i>Crystal Growth and Design</i> , 2020, 20, 3208-3216.	3.0	7
15	Anomalous size effect in thermal residual stresses in pressure sintered alumina-chromium composites. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2019, 762, 138111.	5.6	5
16	Optical measurements of thermal residual stresses in alumina reinforced with chromium. <i>Journal of Applied Physics</i> , 2019, 125, 135104.	2.5	5
17	Solution combustion synthesis of a nanometer-scale Co ₃ O ₄ anode material for Li-ion batteries. <i>Beilstein Journal of Nanotechnology</i> , 2021, 12, 424-431.	2.8	5
18	Spinel LiNi _{0.5} Mn _{1.5} O ₄ with ultra-thin Al ₂ O ₃ coating for Li-ion batteries: investigation of improved cycling performance at elevated temperature. <i>Journal of Solid State Electrochemistry</i> , 2021, 25, 2665-2674.	2.5	5

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19	Thermal Treatment of Chains of Amorphous Fe _{1-x} Co _x Nanoparticles Made by Magnetic-Field-Induced Coreduction Reaction. IEEE Magnetics Letters, 2019, 10, 1-5.	1.1	4
20	Influence of Iron Nanowires Oxidation on Their Semiconducting Properties. Acta Physica Polonica A, 2016, 129, A-135-A-137.	0.5	4
21	Impact of the agarose ferrogel fine structure on magnetic heating efficiency. Journal of Magnetism and Magnetic Materials, 2022, 550, 169000.	2.3	4
22	Preparation and Characterization of Hematite-Multiwall Carbon Nanotubes Nanocomposite. Journal of Superconductivity and Novel Magnetism, 2015, 28, 901-904.	1.8	3
23	Enhancement of mechanical properties of vertically aligned carbon nanotube arrays due to N ⁺ ion irradiation. Nanotechnology, 2020, 31, 285703.	2.6	3
24	Iron nanoparticles and nanowires as modifiers of carbon paste electrodes for the detection of traces of copper, lead and zinc ions in water. , 0, 208, 322-329.		3
25	Improved Laser Ablation Method for the Production of Luminescent Carbon Particles in Liquids. Materials, 2021, 14, 2365.	2.9	1
26	Impact of Thermal Oxidation on Morphological, Structural and Magnetic Properties of Fe-Ni Wire-Like Nanochains. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2021, 52, 3530-3540.	2.2	1
27	Evolution of Structural and Magnetic Properties of Fe-Co Wire-like Nanochains Caused by Annealing Atmosphere. Materials, 2021, 14, 4748.	2.9	1
28	Phase Analysis of Magnetic Inclusions in Nanomaterials Based on Multiwall Carbon Nanotubes. Acta Physica Polonica A, 2017, 131, 863-865.	0.5	1
29	Towards Magnetic Bimetallic Wire-Like Nanostructures – Magnetic Field as Growth Parameter. Acta Physica Polonica A, 2020, 137, 59-61.	0.5	1
30	The glass-like structure of iron–nickel nanochains produced by the magnetic-field-induced reduction reaction with sodium borohydride. Physical Chemistry Chemical Physics, 2021, 24, 326-335.	2.8	1
31	Comparison of the influence of superparamagnetic nanoparticles concentration and coverage on the alternating magnetic field thermal effect. Journal of Magnetism and Magnetic Materials, 2022, 550, 168918.	2.3	1
32	TEM Studies of Fe _{1-x} Ni _x Nanowires by Magnetic-Field-Induced Synthesis. Microscopy and Microanalysis, 2019, 25, 2194-2195.	0.4	0
33	Magnetic and ultrasonic thermal effects of magnetic nanoparticles in a tissue phantom. , 2019, , .		0
34	Phase Evolution of Iron Nanoparticles Subjected to Thermal Treatment. Acta Physica Polonica A, 2018, 134, 1015-1020.	0.5	0