

Mohammad Reza Sovizi

List of Publications by Year in descending order

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34
papers

671
citations

567281

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580821

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34
times ranked

944
citing authors

#	ARTICLE	IF	CITATIONS
1	A parametric study on encapsulation of elemental sulfur inside CNTs by sonically assisted capillary method: Cathodic material for rechargeable Li-S batteries. <i>Microporous and Mesoporous Materials</i> , 2022, 340, 112033.	4.4	6
2	Preparation of Ni-La alloy as a novel electrocatalysts for hydrogen evolution reaction. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 3940-3947.	7.1	15
3	Catalytic effect of lithium titanate oxide doped with praseodymium on thermal decomposition of ammonium nitrate. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020, , 1.	3.6	5
4	Highly sensitive detection of ammonia gas by 3D flower-like MnO_2 nanostructure chemiresistor. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2020, 111, 293-301.	5.3	13
5	A chemiresistor sensor modified with lanthanum oxide nanoparticles as a highly sensitive and selective sensor for dimethylamine at room temperature. <i>New Journal of Chemistry</i> , 2020, 44, 4927-4934.	2.8	17
6	Effect of carboxymethyl cellulose on the corrosion behavior of aluminum in H_2SO_4 solution and synergistic effect of potassium iodide. <i>Journal of Adhesion Science and Technology</i> , 2020, 34, 1664-1678.	2.6	11
7	Evaluation of nanometer-sized zirconium oxide incorporated Al-Mg-Ga-Sn alloy as anode for alkaline aluminum batteries. <i>Transactions of Nonferrous Metals Society of China</i> , 2020, 30, 90-98.	4.2	9
8	Effect of nano zirconia on electrochemical performance, corrosion behavior and microstructure of Al-Mg-Sn-Ga anode for aluminum batteries. <i>Journal of Alloys and Compounds</i> , 2019, 792, 1088-1094.	5.5	26
9	Enhancement in electrochemical performances of Li-S batteries by electrodeposition of sulfur on polyaniline-dodecyl benzene sulfonic acid-sulfuric acid (PANI-DBSA- H_2SO_4) honeycomb structure film. <i>New Journal of Chemistry</i> , 2018, 42, 2711-2717.	2.8	7
10	Two-Dimensional Ti ₃ C ₂ TX/CMK-5 nanocomposite as high performance anodes for lithium batteries. <i>Journal of Alloys and Compounds</i> , 2018, 738, 130-137.	5.5	22
11	Effective Removal of Nitrotoluene Compounds from Aqueous Solution Using Magnetic-Activated Carbon Nanocomposites (m-Fe ₃ O ₄ @ACCs). <i>Russian Journal of Applied Chemistry</i> , 2018, 91, 253-263.	0.5	3
12	Honeycomb polyaniline-dodecyl benzene sulfonic acid (hPANI-DBSA)/sulfur as a new cathode for high performance Li-S batteries. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2018, 86, 270-280.	5.3	18
13	The effect of gum arabic and zinc oxide hybrid inhibitor on the performance of aluminium as galvanic anode in alkaline batteries. <i>Journal of Adhesion Science and Technology</i> , 2018, 32, 2590-2603.	2.6	8
14	Li ₂ S/transition metal carbide composite as cathode material for high performance lithium-sulfur batteries. <i>Materials Chemistry and Physics</i> , 2018, 217, 117-124.	4.0	26
15	Effect of Praseodymium Doping on Structural and Electrochemical Performance of Lithium Titanate Oxide (Li ₄ Ti ₅ O ₁₂) as New Anode Material for Lithium-Sulfur Batteries. <i>Journal of Electronic Materials</i> , 2018, 47, 6525-6531.	2.2	9
16	Microstructures and Mechanical Behavior of Ti ₃ SiC ₂ /Al ₂ O ₃ -Ni Composites Synthesized by Pulse Discharge Sintering. <i>Journal of Materials Engineering and Performance</i> , 2018, 27, 3600-3609.	2.5	8
17	Comparison of thermal degradation behavior of epoxy/ammonium perchlorate composite propellants. <i>Journal of Thermal Analysis and Calorimetry</i> , 2017, 129, 401-410.	3.6	21
18	Electrochemical and microstructural investigations on an as-cast and solution-annealed Al-Mg-Sn-Ga alloy as anode material in sodium chloride solution. <i>Ionics</i> , 2017, 23, 3073-3084.	2.4	14

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19	Fabrication of a new gel polymer electrolyte containing core-shell silica polyelectrolyte nanoparticles via activators regenerated by electron transfer atom transfer radical polymerization (ARGET-ATRP) for high-performance lithium-sulfur batteries. <i>Chemical Papers</i> , 2017, 71, 21-28.	2.2	12
20	A reduced graphene oxide@sulfur nanocomposite as a high-capacity host matrix for advanced lithium-sulfur batteries. <i>New Journal of Chemistry</i> , 2017, 41, 12589-12595.	2.8	18
21	Cobalt oxyhydroxide/graphene oxide nanocomposite for amelioration of electrochemical performance of lithium/sulfur batteries. <i>Journal of Solid State Electrochemistry</i> , 2017, 21, 649-656.	2.5	19
22	Supercritical carbon dioxide extraction of Sm ⁺³ and Nd ⁺³ from solid matrix using Cyanex 921. <i>Russian Journal of Applied Chemistry</i> , 2016, 89, 2084-2090.	0.5	4
23	Enhancing lithium-sulphur battery performance by copper oxide@graphene oxide nanocomposite-modified cathode. <i>Chemical Papers</i> , 2016, 70, .	2.2	13
24	Effect of Na ⁺ and K ⁺ co-doping on the structure and electrochemical behaviors of LiFePO ₄ /C cathode material for lithium-ion batteries. <i>RSC Advances</i> , 2016, 6, 101477-101484.	3.6	18
25	Synthesis, characterization, and application of magnetic-activated carbon nanocomposite (m-Fe ₃ O ₄ @ACCs) as a new low-cost magnetic adsorbent for removal of Pb(II) from industrial wastewaters. <i>Desalination and Water Treatment</i> , 2016, 57, 28887-28899.	1.0	6
26	Aromatic Carboxylic Acids as Corrosion Inhibitors for Aluminium in Alkaline Solution. <i>Portugaliae Electrochimica Acta</i> , 2016, 34, 395-405.	1.1	18
27	Non-isothermal dehydration kinetic study of a new swollen biopolymer silver nanocomposite hydrogel. <i>Journal of Thermal Analysis and Calorimetry</i> , 2015, 121, 1383-1391.	3.6	12
28	Investigation of Size Effects on the Al Nanoclusters Physical Properties via Molecular Dynamics Simulations. <i>Open Access Library Journal (oalib)</i> , 2014, 01, 1-8.	0.2	0
29	Studies on the thermal behavior and decomposition kinetic of drugs cetirizine and simvastatin. <i>Journal of Thermal Analysis and Calorimetry</i> , 2013, 111, 2143-2148.	3.6	19
30	Carbon-based magnetic nanocomposites in solid phase dispersion for the preconcentration some of lanthanides, followed by their quantitation via ICP-OES. <i>Mikrochimica Acta</i> , 2013, 180, 65-73.	5.0	21
31	Application of cloud point extraction technique to preconcentration and spectrophotometric determination of free chlorine in water samples. <i>Journal of Analytical Chemistry</i> , 2011, 66, 269-274.	0.9	11
32	Kinetic investigation on thermal decomposition of organophosphorous compounds. <i>Journal of Thermal Analysis and Calorimetry</i> , 2010, 99, 593-598.	3.6	15
33	Thermal behavior of drugs. <i>Journal of Thermal Analysis and Calorimetry</i> , 2010, 102, 285-289.	3.6	53
34	Effect of particle size on thermal decomposition of nitrocellulose. <i>Journal of Hazardous Materials</i> , 2009, 168, 1134-1139.	12.4	194