

Mozaffar Abdollahifar

List of Publications by Year in descending order

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36
papers

1,157
citations

394421

19
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377865

34
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37
all docs

37
docs citations

37
times ranked

1135
citing authors

#	ARTICLE	IF	CITATIONS
1	Homogeneous precipitation synthesis of CuO@ZrO ₂ @CeO ₂ @Al ₂ O ₃ nanocatalyst used in hydrogen production via methanol steam reforming for fuel cell applications. Energy Conversion and Management, 2014, 87, 928-937.	9.2	108
2	High-performance carbon-coated ZnMn ₂ O ₄ nanocrystallite supercapacitors with tailored microstructures enabled by a novel solution combustion method. Journal of Power Sources, 2018, 378, 90-97.	7.8	87
3	Syngas production via dry reforming of methane over Ni/Al ₂ O ₃ @MgO nanocatalyst synthesized using ultrasound energy. Journal of Industrial and Engineering Chemistry, 2014, 20, 1845-1851.	5.8	86
4	Sono-synthesis and characterization of bimetallic Ni@Co/Al ₂ O ₃ @MgO nanocatalyst: Effects of metal content on catalytic properties and activity for hydrogen production via CO ₂ reforming of CH ₄ . Ultrasonics Sonochemistry, 2016, 31, 173-183.	8.2	70
5	Perspectives on Improving the Safety and Sustainability of High Voltage Lithium-Ion Batteries Through the Electrolyte and Separator Region. Advanced Energy Materials, 2022, 12, .	19.5	64
6	Fuel cell grade hydrogen production via methanol steam reforming over CuO/ZnO/Al ₂ O ₃ nanocatalyst with various oxide ratios synthesized via urea-nitrates combustion method. International Journal of Hydrogen Energy, 2014, 39, 13141-13155.	7.1	60
7	Ultrasound-assisted synthesis and physicochemical characterization of Ni@Co/Al ₂ O ₃ @MgO nanocatalysts enhanced by different amounts of MgO used for CH ₄ /CO ₂ reforming. Energy Conversion and Management, 2015, 97, 273-281.	9.2	59
8	Urea@nitrate combustion synthesis of ZrO ₂ and CeO ₂ doped CuO/Al ₂ O ₃ nanocatalyst used in steam reforming of biomethanol for hydrogen production. Ceramics International, 2014, 40, 14177-14184.	4.8	53
9	Hydrogen production via reforming of biogas over nanostructured Ni/Y catalyst: Effect of ultrasound irradiation and Ni-content on catalyst properties and performance. Materials Research Bulletin, 2014, 60, 328-340.	5.2	49
10	Urea-nitrates combustion preparation of CeO ₂ -promoted CuO/ZnO/Al ₂ O ₃ nanocatalyst for fuel cell grade hydrogen production via methanol steam reforming. Advanced Powder Technology, 2017, 28, 842-853.	4.1	43
11	On the solution combustion synthesis of copper based nanocatalysts for steam methanol reforming: Effect of precursor, ultrasound irradiation and urea/nitrate ratio. Journal of Molecular Catalysis A, 2016, 421, 222-234.	4.8	40
12	Synthesis of micro-mesopores flowerlike γ -Al ₂ O ₃ nano-architectures. Journal of the Serbian Chemical Society, 2014, 79, 1007-1017.	0.8	39
13	Graphite Recycling from End-of-Life Lithium-Ion Batteries: Processes and Applications. Advanced Materials Technologies, 2023, 8, .	5.8	36
14	Synthesis of CuO/ZnO/Al ₂ O ₃ /ZrO ₂ /CeO ₂ nanocatalysts via homogeneous precipitation and combustion methods used in methanol steam reforming for fuel cell grade hydrogen production. RSC Advances, 2016, 6, 57199-57209.	3.6	35
15	Tetragonal LiMn ₂ O ₄ as dual-functional pseudocapacitor-battery electrode in aqueous Li-ion electrolytes. Journal of Power Sources, 2019, 412, 545-551.	7.8	35
16	Sono-dispersion of bimetallic Ni@Co over zeolite Y used in conversion of greenhouse gases CH ₄ /CO ₂ to high valued syngas. Journal of Natural Gas Science and Engineering, 2015, 23, 547-558.	4.4	32
17	Si-on-Graphite fabricated by fluidized bed process for high-capacity anodes of Li-ion batteries. Chemical Engineering Journal, 2021, 407, 126603.	12.7	31
18	Dry reforming of methane over nanostructured Co/Y catalyst for hydrogen production: Effect of ultrasound irradiation and Co-loading on catalyst properties and performance. Energy Conversion and Management, 2015, 103, 1101-1112.	9.2	28

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19	The role anions on the synthesis of AlOOH nanoparticles using simple solvothermal method. Boletín De La Sociedad Española De Cerámica Y Vidrio, 2018, 57, 66-72.	1.9	22
20	High-performance asymmetric supercapacitor fabricated with a novel MoS ₂ /Fe ₂ O ₃ /Graphene composite electrode. Colloids and Interface Science Communications, 2022, 46, 100573.	4.1	19
21	Enabling Extraordinary Rate Performance for Poorly Conductive Oxide Pseudocapacitors. Energy and Environmental Materials, 2020, 3, 405-413.	12.8	16
22	Hybrid sonochemical urea-nitrate combustion preparation of CuO/ZnO/Al ₂ O ₃ nanocatalyst used in fuel cell-grade hydrogen production from methanol: Effect of sonication and fuel/nitrate ratio. Particulate Science and Technology, 2018, 36, 217-225.	2.1	15
23	Efficient synthesis of high-sulfur-content cathodes for high-performance Li-S batteries based on solvothermal polysulfide chemistry. Journal of Power Sources, 2020, 450, 227676.	7.8	14
24	The preparation and characterization of flower-like boehmite nanoparticles-SA: A new and reusable nanocatalyst for the synthesis of 2-aryl-1H-benzimidazoles. Inorganic and Nano-Metal Chemistry, 2017, 47, 626-631.	1.6	13
25	A reign of bio-mass derived carbon with the synergy of energy storage and biomedical applications. Journal of Energy Storage, 2022, 51, 104422.	8.1	13
26	Synthesis and Characterisation of γ -Al ₂ O ₃ with Porous Structure and Nanorod Morphology. Journal of Chemical Research, 2014, 38, 154-158.	1.3	12
27	THE ROLE OF UREA ON THE HYDROTHERMAL SYNTHESIS OF BOEHMITE NANOARCHITECTURES. Ceramics - Silikaty, 2016, , 162-168.	0.3	12
28	THE EFFECT OF NaOH AND KOH ON THE CHARACTERIZATION OF MESOPOROUS AlOOH IN THE SOLVOTHERMAL ROUTE. Ceramics - Silikaty, 2016, , 273-277.	0.3	12
29	A new approach to synthesis and growth of nanocrystalline AlOOH with high pore volume. Journal of the Serbian Chemical Society, 2017, 82, 203-213.	0.8	11
30	Homogeneous precipitation and urea-nitrate combustion preparation of nanostructured CuO/CeO ₂ /ZrO ₂ /Al ₂ O ₃ oxides used in hydrogen production from methanol for fuel cells. Particulate Science and Technology, 2020, 38, 464-474.	2.1	9
31	Thermodynamic equilibrium of the polyethylene glycol 2000 and sulphate salts solutions. Journal of Chemical Thermodynamics, 2014, 69, 125-131.	2.0	7
32	Enhanced Electrochemical Performance of MWCNT-Intercalated Silica/Sulfur Composite Cathode for Rechargeable Lithium-Sulfur Batteries. Jom, 2020, 72, 2260-2268.	1.9	7
33	The Effect of NaOH and KOH on the Characterization of Mesoporous AlOOH Nanostructures in the Hydrothermal Route. Journal of the Mexican Chemical Society, 2017, 58, .	0.6	7
34	Micro/mesoporous quasi-zero-dimensional AlOOH and Al ₂ O ₃ nanoparticles. Inorganic and Nano-Metal Chemistry, 2020, 50, 170-177.	1.6	5
35	Enriched energy storage capability and bi-functional ability of boron-doped graphene as efficient electrode for supercapacitors and lithium sulfur batteries. Journal of Materials Science: Materials in Electronics, 2021, 32, 22760-22770.	2.2	4
36	Room-Temperature Synthesis of LiMn ₂ O ₄ by Electrochemical Ion Exchange in an Aqueous Medium. ACS Sustainable Chemistry and Engineering, 0, , .	6.7	3