

# Mozaffar Abdollahifar

## List of Publications by Year in descending order

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36  
papers

1,157  
citations

394421

19  
h-index

377865

34  
g-index

37  
all docs

37  
docs citations

37  
times ranked

1135  
citing authors

#	ARTICLE	IF	CITATIONS
1	Graphite Recycling from End-of-Life Lithium-Ion Batteries: Processes and Applications. <i>Advanced Materials Technologies</i> , 2023, 8, .	5.8	36
2	High-performance asymmetric supercapacitor fabricated with a novel MoS <sub>2</sub> /Fe <sub>2</sub> O <sub>3</sub> /Graphene composite electrode. <i>Colloids and Interface Science Communications</i> , 2022, 46, 100573.	4.1	19
3	A reign of bio-mass derived carbon with the synergy of energy storage and biomedical applications. <i>Journal of Energy Storage</i> , 2022, 51, 104422.	8.1	13
4	Perspectives on Improving the Safety and Sustainability of High Voltage Lithium-Ion Batteries Through the Electrolyte and Separator Region. <i>Advanced Energy Materials</i> , 2022, 12, .	19.5	64
5	Si-on-Graphite fabricated by fluidized bed process for high-capacity anodes of Li-ion batteries. <i>Chemical Engineering Journal</i> , 2021, 407, 126603.	12.7	31
6	Enriched energy storage capability and bi-functional ability of boron-doped graphene as efficient electrode for supercapacitors and lithium sulfur batteries. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 22760-22770.	2.2	4
7	Efficient synthesis of high-sulfur-content cathodes for high-performance Li-S batteries based on solvothermal polysulfide chemistry. <i>Journal of Power Sources</i> , 2020, 450, 227676.	7.8	14
8	Enabling Extraordinary Rate Performance for Poorly Conductive Oxide Pseudocapacitors. <i>Energy and Environmental Materials</i> , 2020, 3, 405-413.	12.8	16
9	Micro/mesoporous quasi-zero-dimensional AlOOH and Al <sub>2</sub> O <sub>3</sub> nanoparticles. <i>Inorganic and Nano-Metal Chemistry</i> , 2020, 50, 170-177.	1.6	5
10	Enhanced Electrochemical Performance of MWCNT-Intercalated Silica/Sulfur Composite Cathode for Rechargeable Lithium-Sulfur Batteries. <i>Jom</i> , 2020, 72, 2260-2268.	1.9	7
11	Homogeneous precipitation and urea-nitrate combustion preparation of nanostructured CuO/CeO <sub>2</sub> /ZrO <sub>2</sub> /Al <sub>2</sub> O <sub>3</sub> oxides used in hydrogen production from methanol for fuel cells. <i>Particulate Science and Technology</i> , 2020, 38, 464-474.	2.1	9
12	Tetragonal LiMn <sub>2</sub> O <sub>4</sub> as dual-functional pseudocapacitor-battery electrode in aqueous Li-ion electrolytes. <i>Journal of Power Sources</i> , 2019, 412, 545-551.	7.8	35
13	Hybrid sonochemical urea-nitrate combustion preparation of CuO/ZnO/Al <sub>2</sub> O <sub>3</sub> nanocatalyst used in fuel cell-grade hydrogen production from methanol: Effect of sonication and fuel/nitrate ratio. <i>Particulate Science and Technology</i> , 2018, 36, 217-225.	2.1	15
14	The role anions on the synthesis of AlOOH nanoparticles using simple solvothermal method. <i>Boletín De La Sociedad Española De Cerámica Y Vidrio</i> , 2018, 57, 66-72.	1.9	22
15	High-performance carbon-coated ZnMn <sub>2</sub> O <sub>4</sub> nanocrystallite supercapacitors with tailored microstructures enabled by a novel solution combustion method. <i>Journal of Power Sources</i> , 2018, 378, 90-97.	7.8	87
16	Urea-nitrates combustion preparation of CeO <sub>2</sub> -promoted CuO/ZnO/Al <sub>2</sub> O <sub>3</sub> nanocatalyst for fuel cell grade hydrogen production via methanol steam reforming. <i>Advanced Powder Technology</i> , 2017, 28, 842-853.	4.1	43
17	The preparation and characterization of flower-like boehmite nanoparticles-SA: A new and reusable nanocatalyst for the synthesis of 2-aryl-1H-benzimidazoles. <i>Inorganic and Nano-Metal Chemistry</i> , 2017, 47, 626-631.	1.6	13
18	A new approach to synthesis and growth of nanocrystalline AlOOH with high pore volume. <i>Journal of the Serbian Chemical Society</i> , 2017, 82, 203-213.	0.8	11

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19	The Effect of NaOH and KOH on the Characterization of Mesoporous AlOOH Nanostructures in the Hydrothermal Route. <i>Journal of the Mexican Chemical Society</i> , 2017, 58, .	0.6	7
20	On the solution combustion synthesis of copper based nanocatalysts for steam methanol reforming: Effect of precursor, ultrasound irradiation and urea/nitrate ratio. <i>Journal of Molecular Catalysis A</i> , 2016, 421, 222-234.	4.8	40
21	Synthesis of CuO/ZnO/Al <sub>2</sub> O <sub>3</sub> /ZrO <sub>2</sub> /CeO <sub>2</sub> nanocatalysts via homogeneous precipitation and combustion methods used in methanol steam reforming for fuel cell grade hydrogen production. <i>RSC Advances</i> , 2016, 6, 57199-57209.	3.6	35
22	Sono-synthesis and characterization of bimetallic Ni-Co/Al <sub>2</sub> O <sub>3</sub> -MgO nanocatalyst: Effects of metal content on catalytic properties and activity for hydrogen production via CO <sub>2</sub> reforming of CH <sub>4</sub> . <i>Ultrasonics Sonochemistry</i> , 2016, 31, 173-183.	8.2	70
23	THE ROLE OF UREA ON THE HYDROTHERMAL SYNTHESIS OF BOEHMITE NANOARCHITECTURES. <i>Ceramics - Silikaty</i> , 2016, , 162-168.	0.3	12
24	THE EFFECT OF NaOH AND KOH ON THE CHARACTERIZATION OF MESOPOROUS AlOOH IN THE SOLVOTHERMAL ROUTE. <i>Ceramics - Silikaty</i> , 2016, , 273-277.	0.3	12
25	Dry reforming of methane over nanostructured Co/Y catalyst for hydrogen production: Effect of ultrasound irradiation and Co-loading on catalyst properties and performance. <i>Energy Conversion and Management</i> , 2015, 103, 1101-1112.	9.2	28
26	Sono-dispersion of bimetallic Ni-Co over zeolite Y used in conversion of greenhouse gases CH <sub>4</sub> /CO <sub>2</sub> to high valued syngas. <i>Journal of Natural Gas Science and Engineering</i> , 2015, 23, 547-558.	4.4	32
27	Ultrasound-assisted synthesis and physicochemical characterization of Ni-Co/Al <sub>2</sub> O <sub>3</sub> -MgO nanocatalysts enhanced by different amounts of MgO used for CH <sub>4</sub> /CO <sub>2</sub> reforming. <i>Energy Conversion and Management</i> , 2015, 97, 273-281.	9.2	59
28	Synthesis and Characterisation of $\gamma$ -Al <sub>2</sub> O <sub>3</sub> with Porous Structure and Nanorod Morphology. <i>Journal of Chemical Research</i> , 2014, 38, 154-158.	1.3	12
29	Synthesis of micro-mesopores flowerlike $\gamma$ -Al <sub>2</sub> O <sub>3</sub> nano-architectures. <i>Journal of the Serbian Chemical Society</i> , 2014, 79, 1007-1017.	0.8	39
30	Syngas production via dry reforming of methane over Ni/Al <sub>2</sub> O <sub>3</sub> -MgO nanocatalyst synthesized using ultrasound energy. <i>Journal of Industrial and Engineering Chemistry</i> , 2014, 20, 1845-1851.	5.8	86
31	Thermodynamic equilibrium of the polyethylene glycol 2000 and sulphate salts solutions. <i>Journal of Chemical Thermodynamics</i> , 2014, 69, 125-131.	2.0	7
32	Homogeneous precipitation synthesis of CuO-ZrO <sub>2</sub> -CeO <sub>2</sub> -Al <sub>2</sub> O <sub>3</sub> nanocatalyst used in hydrogen production via methanol steam reforming for fuel cell applications. <i>Energy Conversion and Management</i> , 2014, 87, 928-937.	9.2	108
33	Hydrogen production via reforming of biogas over nanostructured Ni/Y catalyst: Effect of ultrasound irradiation and Ni-content on catalyst properties and performance. <i>Materials Research Bulletin</i> , 2014, 60, 328-340.	5.2	49
34	Fuel cell grade hydrogen production via methanol steam reforming over CuO/ZnO/Al <sub>2</sub> O <sub>3</sub> nanocatalyst with various oxide ratios synthesized via urea-nitrates combustion method. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 13141-13155.	7.1	60
35	Urea-nitrate combustion synthesis of ZrO <sub>2</sub> and CeO <sub>2</sub> doped CuO/Al <sub>2</sub> O <sub>3</sub> nanocatalyst used in steam reforming of biomethanol for hydrogen production. <i>Ceramics International</i> , 2014, 40, 14177-14184.	4.8	53
36	Room-Temperature Synthesis of LiMn <sub>2</sub> O <sub>4</sub> by Electrochemical Ion Exchange in an Aqueous Medium. <i>ACS Sustainable Chemistry and Engineering</i> , 0, , .	6.7	3