

H Kim

List of Publications by Year in descending order

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117
papers

4,823
citations

61945

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123376

61
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all docs

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docs citations

118
times ranked

5913
citing authors

#	ARTICLE	IF	CITATIONS
1	Critical Review, Recent Updates on Zeolitic Imidazolate Frameworks (ZIFs) and Its Derivatives for Electrochemical Water Splitting. <i>Advanced Materials</i> , 2022, 34, e2107072.	11.1	183
2	Imidazolium zinc tetrahalide-catalyzed coupling reaction of CO ₂ and ethylene oxide or propylene oxide. <i>Journal of Catalysis</i> , 2003, 220, 44-46.	3.1	151
3	Bimetallic iron cobalt oxide self-supported on Ni-Foam: An efficient bifunctional electrocatalyst for oxygen and hydrogen evolution reaction. <i>Electrochimica Acta</i> , 2017, 249, 253-262.	2.6	124
4	Ionic liquid as a catalyst for utilization of carbon dioxide to production of linear and cyclic carbonate. <i>Fuel</i> , 2017, 200, 316-332.	3.4	119
5	Low internal concentration polarization in forward osmosis membranes with hydrophilic crosslinked PVA nanofibers as porous support layer. <i>Desalination</i> , 2014, 336, 24-31.	4.0	118
6	Preparation of Ni-MOF-74 membrane for CO ₂ separation by layer-by-layer seeding technique. <i>Microporous and Mesoporous Materials</i> , 2012, 163, 169-177.	2.2	115
7	Hydrogen production from NaBH ₄ hydrolysis via Co-ZIF-9 catalyst. <i>Fuel Processing Technology</i> , 2012, 100, 43-48.	3.7	103
8	Adsorptive Li ⁺ mining from liquid resources by H ₂ TiO ₃ : Equilibrium, kinetics, thermodynamics, and mechanisms. <i>Journal of Industrial and Engineering Chemistry</i> , 2016, 35, 347-356.	2.9	99
9	Cobalt nanoparticles supported on magnetic core-shell structured carbon as a highly efficient catalyst for hydrogen generation from NaBH ₄ hydrolysis. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 9296-9306.	3.8	99
10	Efficient selective dehydration of fructose and sucrose into 5-hydroxymethylfurfural (HMF) using dicationic room temperature ionic liquids as a catalyst. <i>Catalysis Communications</i> , 2012, 21, 96-103.	1.6	96
11	Polyurethane nanofibers containing copper nanoparticles as future materials. <i>Applied Surface Science</i> , 2011, 257, 3020-3026.	3.1	91
12	Fe ₂ O ₃ hollow nanorods/CNT composites as an efficient electrocatalyst for oxygen evolution reaction. <i>Electrochimica Acta</i> , 2016, 222, 1316-1325.	2.6	82
13	H ₂ TiO ₃ composite adsorbent foam for efficient and continuous recovery of Li ⁺ from liquid resources. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016, 504, 267-279.	2.3	79
14	Mixed matrix nanofiber as a flow-through membrane adsorber for continuous Li ⁺ recovery from seawater. <i>Journal of Membrane Science</i> , 2016, 510, 141-154.	4.1	79
15	Influence of processing methodology on the structural and magnetic behavior of MgFe ₂ O ₄ nanopowders. <i>Journal of Alloys and Compounds</i> , 2012, 517, 164-169.	2.8	74
16	Preparation of superhydrophobic membranes by electrospinning of fluorinated silane functionalized poly(vinylidene fluoride). <i>Applied Surface Science</i> , 2009, 255, 7073-7077.	3.1	72
17	Cobalt impregnated magnetite-multiwalled carbon nanotube nanocomposite as magnetically separable efficient catalyst for hydrogen generation by NaBH ₄ hydrolysis. <i>Journal of Alloys and Compounds</i> , 2017, 699, 1057-1067.	2.8	72
18	Iron-based heterogeneous catalysts for oxygen evolution reaction; change in perspective from activity promoter to active catalyst. <i>Journal of Power Sources</i> , 2018, 395, 106-127.	4.0	68

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19	Preparation of PVDF nanofiber composites for hydrogen generation from sodium borohydride. <i>Energy</i> , 2011, 36, 755-759.	4.5	64
20	Synthesis of Co ₃ O ₄ macrocubes catalyst using novel chitosan/urea template for hydrogen generation from sodium borohydride. <i>Energy</i> , 2017, 121, 238-245.	4.5	63
21	Carbon nanotube ensembled hybrid nanocomposite electrode for direct electrochemical detection of epinephrine in pharmaceutical tablets and urine. <i>Materials Science and Engineering C</i> , 2017, 79, 93-99.	3.8	61
22	Electrospun carbon nanofiber-carbon nanotubes composites coated with polyaniline with improved electrochemical properties for supercapacitors. <i>Electrochimica Acta</i> , 2018, 259, 1110-1119.	2.6	57
23	Ce Zr ^{1-x} O ₂ solid solutions for catalytic synthesis of dimethyl carbonate from CO ₂ : Reaction mechanism and the effect of catalyst morphology on catalytic activity. <i>Fuel</i> , 2018, 216, 245-254.	3.4	57
24	Engineered iron-carbon-cobalt (Fe ₃ O ₄ @C-Co) core-shell composite with synergistic catalytic properties towards hydrogen generation via NaBH ₄ hydrolysis. <i>Journal of Colloid and Interface Science</i> , 2019, 543, 273-284.	5.0	57
25	Biomass into chemicals: green chemical conversion of carbohydrates into 5-hydroxymethylfurfural in ionic liquids. <i>RSC Advances</i> , 2016, 6, 63991-64002.	1.7	56
26	Recent Trends in Electrochemical Sensors for Vital Biomedical Markers Using Hybrid Nanostructured Materials. <i>Advanced Science</i> , 2020, 7, 1902980.	5.6	54
27	Derivation of both EDLC and pseudocapacitance characteristics based on synergistic mixture of NiCo ₂ O ₄ and hollow carbon nanofiber: An efficient electrode towards high energy density supercapacitor. <i>Electrochimica Acta</i> , 2019, 318, 392-404.	2.6	52
28	Characterization of structure, physico-chemical properties and diffusion behavior of Ca-Alginate gel beads prepared by different gelation methods. <i>Journal of Colloid and Interface Science</i> , 2014, 432, 109-116.	5.0	51
29	Development of high capacity Li ⁺ adsorbents from H ₂ TiO ₃ /polymer nanofiber composites: Systematic polymer screening, characterization and evaluation. <i>Journal of Industrial and Engineering Chemistry</i> , 2019, 70, 124-135.	2.9	50
30	Use of a nickel-boride-silica nanocomposite catalyst prepared by in-situ reduction for hydrogen production from hydrolysis of sodium borohydride. <i>Fuel Processing Technology</i> , 2008, 89, 966-972.	3.7	49
31	Facile synthesis of bicontinuous Ni ₃ Fe alloy for efficient electrocatalytic oxygen evolution reaction. <i>Journal of Alloys and Compounds</i> , 2017, 726, 875-884.	2.8	49
32	Spray deposition of electrospun TiO ₂ nanoparticles with self-cleaning and transparent properties onto glass. <i>Applied Surface Science</i> , 2013, 276, 390-396.	3.1	48
33	Imaging, spectroscopy, mechanical, alignment and biocompatibility studies of electrospun medical grade polyurethane (Carbothane, 3575A) nanofibers and composite nanofibers containing multiwalled carbon nanotubes. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2015, 41, 189-198.	1.5	48
34	Liquid-liquid extraction of lithium using lipophilic dibenzo-14-crown-4 ether carboxylic acid in hydrophobic room temperature ionic liquid. <i>Hydrometallurgy</i> , 2016, 164, 362-371.	1.8	48
35	Triazole-forming waterborne polyurethane composites fabricated with silane coupling agent functionalized nano-silica. <i>Journal of Colloid and Interface Science</i> , 2011, 361, 483-490.	5.0	47
36	Immobilization of CoCl ₂ (cobalt chloride) on PAN (polyacrylonitrile) composite nanofiber mesh filled with carbon nanotubes for hydrogen production from hydrolysis of NaBH ₄ (sodium borohydride). <i>Energy</i> , 2014, 71, 32-39.	4.5	47

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37	Carbon nanotube hybrid nanostructures: future generation conducting materials. <i>Journal of Materials Chemistry A</i> , 2016, 4, 9347-9361.	5.2	47
38	Synergism of transition metal (Co, Ni, Fe, Mn) nanoparticles and α -Fe ₃ O ₄ @C for catalytic reduction of 4-nitrophenol. <i>Science of the Total Environment</i> , 2020, 712, 135492.	3.9	47
39	Hydrogen generation from the hydrolysis of sodium borohydride using chemically modified multiwalled carbon nanotubes with pyridinium based ionic liquid and decorated with highly dispersed Mn nanoparticles. <i>Journal of Power Sources</i> , 2015, 293, 429-436.	4.0	46
40	Thermal degradation and kinetic analysis of PVDF/modified MMT nanocomposite membranes. <i>Desalination</i> , 2008, 234, 9-15.	4.0	45
41	Utilization of the superior properties of highly mesoporous PVP modified NiCo ₂ O ₄ with accessible 3D nanostructure and flower-like morphology towards electrochemical methanol oxidation reaction. <i>Journal of Energy Chemistry</i> , 2019, 29, 136-146.	7.1	45
42	A switchable single-molecule electrochromic device derived from a viologen-tethered triazolium-based poly(ionic liquid). <i>Journal of Materials Chemistry A</i> , 2019, 7, 21668-21673.	5.2	45
43	Preparation and application of sodium borohydride composites for portable hydrogen production. <i>Energy</i> , 2010, 35, 960-963.	4.5	44
44	Fabrication of porous TiO ₂ nanofiber and its photocatalytic activity. <i>Materials Research Bulletin</i> , 2011, 46, 2094-2099.	2.7	44
45	Electrospun ZnFe ₂ O ₄ -based nanofiber composites with enhanced supercapacitive properties. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2016, 211, 141-148.	1.7	44
46	Facile synthesis of Ag ₃ PO ₄ /g-C ₃ N ₄ composites in various solvent systems with tuned morphologies and their efficient photocatalytic activity for multi-dye degradation. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2019, 368, 168-181.	2.0	44
47	NiCo ₂ O ₄ hollow sphere as an efficient catalyst for hydrogen generation by NaBH ₄ hydrolysis. <i>Materials Letters</i> , 2017, 198, 50-53.	1.3	43
48	Ternary NiCoP urchin like 3D nanostructure supported on nickel foam as a catalyst for hydrogen generation of alkaline NaBH ₄ . <i>Chemical Physics</i> , 2019, 516, 152-159.	0.9	43
49	A Simple Method of Electrospun Tungsten Trioxide Nanofibers with Enhanced Visible-Light Photocatalytic Activity. <i>Nano-Micro Letters</i> , 2015, 7, 291-297.	14.4	41
50	One-pot synthesis of 2,5-diformylfuran from fructose using a magnetic bi-functional catalyst. <i>RSC Advances</i> , 2016, 6, 25678-25688.	1.7	41
51	Cobalt oxide synthesized using urea precipitation method as catalyst for the hydrolysis of sodium borohydride. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2017, 520, 355-360.	2.3	41
52	Efficient Dehydration of Glucose, Sucrose, and Fructose to 5-Hydroxymethylfurfural Using Tri-cationic Ionic Liquids. <i>Catalysis Letters</i> , 2019, 149, 672-687.	1.4	41
53	Ni/Ag/silica nanocomposite catalysts for hydrogen generation from hydrolysis of NaBH ₄ solution. <i>Materials Letters</i> , 2008, 62, 1451-1454.	1.3	39
54	Green synthesis, characterization and catalytic efficiency of hypercross-linked porous polymeric ionic liquid networks towards 4-nitrophenol reduction. <i>Chemical Engineering Journal</i> , 2016, 285, 554-561.	6.6	39

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55	Highly selective and multifunctional chitosan/ionic liquids catalyst for conversion of CO ₂ and methanol to dimethyl carbonates at mild reaction conditions. <i>Fuel</i> , 2016, 166, 495-501.	3.4	37
56	Carbon Transition-metal Oxide Electrodes: Understanding the Role of Surface Engineering for High Energy Density Supercapacitors. <i>Chemistry - an Asian Journal</i> , 2020, 15, 1628-1647.	1.7	37
57	Diffusion characteristics of different molecular weight solutes in Ca ²⁺ alginate gel beads. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2015, 469, 158-165.	2.3	36
58	Preparation of Y-zeolite/CoCl ₂ doped PVDF composite nanofiber and its application in hydrogen production. <i>Energy</i> , 2012, 38, 144-150.	4.5	35
59	Catalytic hydrolysis of ammonia borane for hydrogen generation using cobalt nanocluster catalyst supported on polydopamine functionalized multiwalled carbon nanotube. <i>Energy</i> , 2014, 76, 822-829.	4.5	35
60	Microwave-Assisted Synthesis of a Stainless Steel Mesh-Supported Co ₃ O ₄ Microrod Array As a Highly Efficient Catalyst for Electrochemical Water Oxidation. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 11069-11079.	3.2	35
61	Conversion of sugars (sucrose and glucose) into 5-hydroxymethylfurfural in pyridinium based dicationic ionic liquid ([C ₁₀ (EPy) ₂] ²⁺ Br ⁻) with chromium chloride as a catalyst. <i>Industrial Crops and Products</i> , 2015, 76, 12-17.	2.5	32
62	In-situ derived hierarchical ZnO/Zn-C nanofiber with high photocatalytic activity and recyclability under solar light. <i>Applied Surface Science</i> , 2019, 491, 350-359.	3.1	32
63	Synthesis and application of CeO ₂ -NiO loaded TiO ₂ nanofiber as novel catalyst for hydrogen production from sodium borohydride hydrolysis. <i>Energy</i> , 2015, 89, 568-575.	4.5	31
64	A super hydrophilic modification of poly(vinylidene fluoride) (PVDF) nanofibers: By in situ hydrothermal approach. <i>Applied Surface Science</i> , 2016, 385, 417-425.	3.1	31
65	Ion-conductive and transparent PVdF-HFP/silane-functionalized ZrO ₂ nanocomposite electrolyte for electrochromic applications. <i>Electrochimica Acta</i> , 2016, 196, 236-244.	2.6	31
66	Diethylenetriamine assisted synthesis of mesoporous Co and Ni-Co spinel oxides as an electrocatalysts for methanol and water oxidation. <i>Electrochimica Acta</i> , 2017, 240, 277-287.	2.6	31
67	Nanocatalyst: Electrospun nanofibers of PVDF ⁺ Dicationic tetrachloronickelate (II) anion and their effect on hydrogen generation from the hydrolysis of sodium borohydride. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 18851-18859.	3.8	29
68	Preparation of porous PVDF-NiB capsules as catalytic adsorbents for hydrogen generation from sodium borohydride. <i>Fuel Processing Technology</i> , 2011, 92, 1368-1373.	3.7	28
69	Preparation and application of Sm ²⁺ -Ni oxide doped TiO ₂ nanofiber as catalyst in hydrogen production from sodium borohydride hydrolysis. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2015, 484, 242-252.	2.3	28
70	Environment friendly hydrothermal synthesis of carbon ⁺ -Co ₃ O ₄ nanorods composite as an efficient catalyst for oxygen evolution reaction. <i>Journal of Energy Chemistry</i> , 2017, 26, 695-702.	7.1	28
71	Facile synthesis of polypyrrole/ionic liquid nanoparticles and use as an electrocatalyst for oxygen evolution reaction. <i>Chemical Engineering Journal</i> , 2018, 335, 215-220.	6.6	28
72	Electrospun titanium dioxide nanofibers containing hydroxyapatite and silver nanoparticles as future implant materials. <i>Journal of Materials Science: Materials in Medicine</i> , 2010, 21, 2551-2559.	1.7	26

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73	Preparation of sol-gel modified electrospun TiO ₂ nanofibers for improved photocatalytic decomposition of ethylene. <i>Materials Letters</i> , 2012, 76, 169-172.	1.3	26
74	Improved electrocatalytic oxygen evolution reaction properties using PVP modified direct growth Co-based metal oxides electrocatalysts on nickel foam. <i>Electrochimica Acta</i> , 2018, 263, 362-372.	2.6	26
75	Transition metal based ionic liquid (bulk and nanofiber composites) used as catalyst for reduction of aromatic nitro compounds under mild conditions. <i>RSC Advances</i> , 2013, 3, 3399.	1.7	25
76	Synthesis and characterization of poly (vinylidene fluoride)-calcium phosphate composite for potential tissue engineering applications. <i>Ceramics International</i> , 2015, 41, 7066-7072.	2.3	25
77	Water-insoluble hydrophilic polysulfides as microfibrinous composites towards highly effective and practical Hg ²⁺ capture. <i>Chemical Engineering Journal</i> , 2019, 378, 122216.	6.6	25
78	A mild, efficient, and selective deprotection of tert-butyldimethylsilyl (TBDMS) ethers using dicationic ionic liquid as a catalyst. <i>Tetrahedron Letters</i> , 2012, 53, 5338-5342.	0.7	24
79	Fabrication of ionic liquid/polymer nanoscale networks by electrospinning and chemical cross-linking and their application in hydrogen generation from the hydrolysis of NaBH ₄ . <i>Energy</i> , 2015, 79, 482-488.	4.5	24
80	Highly efficient synthesis of dimethyl carbonate from methanol and carbon dioxide using IL/DBU/SmOCl as a novel ternary catalytic system. <i>Catalysis Communications</i> , 2016, 75, 87-91.	1.6	24
81	Solvent free synthesis of 1,5-benzodiazepine derivatives over the heterogeneous silver salt of silicotungstic acid under ambient conditions. <i>RSC Advances</i> , 2013, 3, 5131.	1.7	21
82	Effect of different solvents in the synthesis of LaCoO ₃ nanopowders prepared by the co-precipitation method. <i>Advanced Powder Technology</i> , 2014, 25, 1834-1838.	2.0	21
83	Ionic Liquid-Derived Co ₃ O ₄ -N/S-Doped Carbon Catalysts for the Enhanced Water Oxidation. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 14889-14898.	3.2	21
84	Surfactant modified MgFe ₂ O ₄ nanopowders by reverse micelle processing: Effect of water to surfactant ratio (R) on the particle size and magnetic property. <i>Applied Surface Science</i> , 2012, 258, 3315-3320.	3.1	20
85	CuCl ₂ @Poly-IL catalyzed carboxylation of terminal alkynes through CO ₂ utilization. <i>Chemical Engineering Journal</i> , 2017, 326, 1009-1019.	6.6	20
86	Amorphous iron sulfide nanowires as an efficient adsorbent for toxic dye effluents remediation. <i>Environmental Science and Pollution Research</i> , 2019, 26, 2734-2746.	2.7	20
87	Structurally modified cerium doped hydrotalcite-like precursor as efficient catalysts for hydrogen production from sodium borohydride hydrolysis. <i>Energy</i> , 2015, 93, 955-962.	4.5	19
88	Synthesis, characterization, and application of silica supported ionic liquid as catalyst for reductive amination of cyclohexanone with formic acid and triethyl amine as hydrogen source. <i>Chinese Journal of Catalysis</i> , 2015, 36, 1365-1371.	6.9	19
89	Effect of poly(ethylene oxide) and water on electrospun poly(vinylidene fluoride) nanofibers with enhanced mechanical properties as pre-filter for oil-in-water filtration. <i>Materials Chemistry and Physics</i> , 2016, 182, 208-218.	2.0	19
90	Synthesis of 1-amidoalkyl 2-naphthols using ionic liquid with metal complex as an efficient and reusable catalyst under solvent free conditions. <i>Journal of Molecular Liquids</i> , 2015, 212, 413-417.	2.3	18

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91	Ionic liquid functionalized graphene oxide decorated with copper oxide nanostructures towards H ₂ generation from sodium borohydride. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 14491-14497.	3.8	18
92	Superior decontamination of toxic organic pollutants under solar light by reduced graphene oxide incorporated tetrapods-like Ag ₃ PO ₄ /MnFe ₂ O ₄ hierarchical composites. <i>Journal of Environmental Management</i> , 2020, 256, 109930.	3.8	18
93	Synthesis of ultrafine MgFe ₂ O ₄ nanofibers via electrospinning using sol-gel precursor. <i>Journal of Sol-Gel Science and Technology</i> , 2013, 65, 189-194.	1.1	17
94	Solvent free synthesis of cyclic ureas and urethanes by carbonylation method in the basic dicationic ionic liquid catalysts. <i>Chemical Engineering Journal</i> , 2016, 306, 826-831.	6.6	17
95	Spinel type Fe ₃ O ₄ polyhedron supported on nickel foam as an electrocatalyst for water oxidation reaction. <i>Journal of Alloys and Compounds</i> , 2021, 863, 158742.	2.8	17
96	Chitosan grafted polymer matrix/ZnCl ₂ /1,8-diazabicycloundec-7-ene catalytic system for efficient catalytic fixation of CO ₂ into valuable fuel additives. <i>Fuel</i> , 2016, 184, 233-241.	3.4	16
97	Efficient decontamination of toxic phenol pollutant using LaCO ₃ OH nanowires decorated Ag ₃ PO ₄ hierarchical composites mediated by metallic Ag. <i>Science of the Total Environment</i> , 2019, 675, 325-336.	3.9	16
98	Hierarchically assembled porous TiO ₂ nanoparticles with enhanced photocatalytic activity towards Rhodamine-B degradation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 586, 124199.	2.3	16
99	Synthesis of cerium and nickel doped titanium nanofibers for hydrolysis of sodium borohydride. <i>Chemosphere</i> , 2018, 202, 669-676.	4.2	14
100	Removal of Cs ⁺ in water by dibenzo-18-crown-6 ether tethered on mesoporous SBA-15 as a reusable and efficient adsorbent. <i>Journal of Water Process Engineering</i> , 2021, 39, 101716.	2.6	14
101	Synthesis of substituted amines: Catalytic reductive amination of carbonyl compounds using Lewis acid Zn-Co-double metal cyanide/polymethylhydrosiloxane. <i>Chemical Engineering Journal</i> , 2016, 295, 376-383.	6.6	13
102	Crown ethers clicked on fibrous polyglycidyl methacrylate for selective Li ⁺ retrieval from aqueous sources. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 596, 124709.	2.3	12
103	Transformation of waste onion peels into core-shell Fe ₃ C@ N-doped carbon as a robust electrocatalyst for oxygen evolution reaction. <i>Electrochimica Acta</i> , 2022, 422, 140545.	2.6	12
104	Graphene oxide interlayered Ga-doped FeSe ₂ nanorod: A robust nanocomposite with ideal electronic structure for electrochemical dopamine detection. <i>Electrochimica Acta</i> , 2020, 363, 137245.	2.6	11
105	ZnO@Ni foam photoelectrode modified with heteroatom doped graphitic carbon for enhanced photoelectrochemical water splitting under solar light. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 2075-2085.	3.8	11
106	Microstructural control of catalyst-loaded PVDF microcapsule membrane for hydrogen generation by NaBH ₄ hydrolysis. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 15656-15664.	3.8	10
107	A lattice model for solid-state sintering simple particle arrays. <i>Computational Materials Science</i> , 1995, 4, 181-190.	1.4	9
108	Highly porous NiMoO ₄ tailored onto amine functionalized CNT as advanced nanocomposite electrocatalyst for supercapacitor application. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 9558-9571.	1.1	9

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109	Zirconium dioxide nanofilled poly(vinylidene fluoride-hexafluoropropylene) complexed with lithium trifluoromethanesulfonate as composite polymer electrolyte for electrochromic devices. <i>Materials Research Bulletin</i> , 2015, 69, 104-111.	2.7	8
110	Electrochemically engineered zinc(iron)oxyhydroxide/zinc ferrite heterostructure with interfacial microstructure and hydrophilicity ideal for supercapacitors. <i>Journal of Colloid and Interface Science</i> , 2022, 606, 607-617.	5.0	8
111	In-situ Electrochemical Formation of a Core-shell ZnFe ₂ O ₄ @Zn(Fe)OOH Heterostructural Catalyst for Efficient Water Oxidation in Alkaline Medium. <i>ChemElectroChem</i> , 2020, 7, 3478-3486.	1.7	7
112	Solvent-free synthesis of propargylamines via A ₃ coupling reaction and organic pollutant degradation in aqueous condition using Cu/C catalyst. <i>Applied Organometallic Chemistry</i> , 2020, 34, e5986.	1.7	7
113	Thermochromic transition analysis of elastomer prepared from azo dye-siloxane blend. <i>Materials Chemistry and Physics</i> , 2020, 240, 122297.	2.0	5
114	Synthesis of free-standing poly(ionic liquid) bearing 1,2,3-triazole group for the adsorptive elimination of Cr ⁶⁺ from aqueous solution. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 104084.	3.3	4
115	Highly soluble electroactive ethylenedioxythiophene (EDOT)-based copolymer obtained via "click"™ copolymerization. <i>Polymer</i> , 2021, 226, 123846.	1.8	3
116	A simple computer simulation method for the analysis of phase behavior of particle suspension. <i>Journal of Materials Science Letters</i> , 2001, 20, 1545-1547.	0.5	1
117	Microstructural analysis of sintering behavior of intra-grain pores. <i>Korean Journal of Chemical Engineering</i> , 1998, 15, 663-666.	1.2	0