

H Kim

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

117
papers

3,441
citations

35
h-index

50
g-index

118
ext. papers

4,088
ext. citations

7.1
avg, IF

6.07
L-index

#	Paper	IF	Citations
117	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	9.3	0
116	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 , 140545	6.7	1
115	Critical Review, Recent Updates on Zeolitic Imidazolate Framework-67 (ZIF-67) and Its Derivatives for Electrochemical Water Splitting. <i>Advanced Materials</i> , 2021 , e2107072	24	12
114	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	5.7	6
113	Highly soluble electroactive ethylenedioxythiophene (EDOT)-based copolymer obtained via click copolymerization. <i>Polymer</i> , 2021 , 226, 123846	3.9	1
112	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	6.7	6
111	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	6.7	2
110	Recent Trends in Electrochemical Sensors for Vital Biomedical Markers Using Hybrid Nanostructured Materials. <i>Advanced Science</i> , 2020 , 7, 1902980	13.6	29
109	Crown ethers linked on fibrous polyglycidyl methacrylate for selective Li ⁺ retrieval from aqueous sources. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020 , 596, 124709	5.1	3
108	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	6.8	3
107	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	5.1	8
106	Synergism of transition metal (Co, Ni, Fe, Mn) nanoparticles and "active support" FeO@C for catalytic reduction of 4-nitrophenol. <i>Science of the Total Environment</i> , 2020 , 712, 135492	10.2	25
105	Superior decontamination of toxic organic pollutants under solar light by reduced graphene oxide incorporated tetrapods-like AgPO/MnFeO hierarchical composites. <i>Journal of Environmental Management</i> , 2020 , 256, 109930	7.9	9
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	6.7	5
103	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	4.3	2
102	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	3.1	3
101	Thermochromic transition analysis of elastomer prepared from azo dye-siloxane blend. <i>Materials Chemistry and Physics</i> , 2020 , 240, 122297	4.4	3

100	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	4.5	16
99	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	13	25
98	Efficient Dehydration of Glucose, Sucrose, and Fructose to 5-Hydroxymethylfurfural Using Tri-cationic Ionic Liquids. <i>Catalysis Letters</i> , 2019 , 149, 672-687	2.8	16
97	Amorphous iron sulfide nanowires as an efficient adsorbent for toxic dye effluents remediation. <i>Environmental Science and Pollution Research</i> , 2019 , 26, 2734-2746	5.1	9
96	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	6.7	18
95	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	6.7	29
94	Efficient decontamination of toxic phenol pollutant using LaCOOH nanowires decorated AgPO hierarchical composites mediated by metallic Ag. <i>Science of the Total Environment</i> , 2019 , 675, 325-336	10.2	12
93	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	2.1	4
92	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	12	25
91	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	8.3	13
90	Water-insoluble hydrophilic polysulfides as microfibrinous composites towards highly effective and practical Hg ²⁺ capture. <i>Chemical Engineering Journal</i> , 2019 , 378, 122216	14.7	10
89	Engineered iron-carbon-cobalt (FeO@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	9.3	36
88	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	2.3	32
87	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	6.3	22
86	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	4.7	31
85	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	6.7	56
84	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	6.7	20
83	Synthesis of cerium and nickel doped titanium nanofibers for hydrolysis of sodium borohydride. <i>Chemosphere</i> , 2018 , 202, 669-676	8.4	11

82	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	14.7	16
81	Electrospun carbon nanofiber-carbon nanotubes coated polyaniline composites with improved electrochemical properties for supercapacitors. <i>Electrochimica Acta</i> , 2018 , 259, 1110-1119	6.7	42
80	Ce Zr102 solid solutions for catalytic synthesis of dimethyl carbonate from CO2: Reaction mechanism and the effect of catalyst morphology on catalytic activity. <i>Fuel</i> , 2018 , 216, 245-254	7.1	32
79	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	8.9	44
78	Synthesis of Co3O4 macrocubes catalyst using novel chitosan/urea template for hydrogen generation from sodium borohydride. <i>Energy</i> , 2017 , 121, 238-245	7.9	48
77	Cobalt impregnated magnetite-multiwalled carbon nanotube nanocomposite as magnetically separable efficient catalyst for hydrogen generation by NaBH4 hydrolysis. <i>Journal of Alloys and Compounds</i> , 2017 , 699, 1057-1067	5.7	54
76	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	5.1	31
75	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	8.3	37
74	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	6.7	24
73	Ionic liquid as a catalyst for utilization of carbon dioxide to production of linear and cyclic carbonate. <i>Fuel</i> , 2017 , 200, 316-332	7.1	88
72	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	3.3	35
71	Environment friendly hydrothermal synthesis of carbon-Co3O4 nanorods composite as an efficient catalyst for oxygen evolution reaction. <i>Journal of Energy Chemistry</i> , 2017 , 26, 695-702	12	22
70	Microwave-Assisted Synthesis of a Stainless Steel Mesh-Supported Co3O4 Microrod Array As a Highly Efficient Catalyst for Electrochemical Water Oxidation. <i>ACS Sustainable Chemistry and Engineering</i> , 2017 , 5, 11069-11079	8.3	28
69	CuCl2@Poly-IL catalyzed carboxylation of terminal alkynes through CO2 utilization. <i>Chemical Engineering Journal</i> , 2017 , 326, 1009-1019	14.7	12
68	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	6.7	90
67	Facile synthesis of bicontinuous Ni3Fe alloy for efficient electrocatalytic oxygen evolution reaction. <i>Journal of Alloys and Compounds</i> , 2017 , 726, 875-884	5.7	34
66	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	14.7	14
65	Fe2O3 hollow nanorods/CNT composites as an efficient electrocatalyst for oxygen evolution reaction. <i>Electrochimica Acta</i> , 2016 , 222, 1316-1325	6.7	62

64	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	3.1	30
63	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	4.4	16
62	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	4	36
61	Biomass into chemicals: green chemical conversion of carbohydrates into 5-hydroxymethylfurfural in ionic liquids. <i>RSC Advances</i> , 2016 , 6, 63991-64002	3.7	49
60	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	3.2	19
59	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	7.1	29
58	Synthesis of substituted amines: Catalytic reductive amination of carbonyl compounds using Lewis acid Zn ₂ O-double metal cyanide/polymethylhydrosiloxane. <i>Chemical Engineering Journal</i> , 2016 , 295, 376-383	14.7	9
57	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	6.3	60
56	One-pot synthesis of 2,5-diformylfuran from fructose using a magnetic bi-functional catalyst. <i>RSC Advances</i> , 2016 , 6, 25678-25688	3.7	32
55	Ion-conductive and transparent PVDF-HFP/silane-functionalized ZrO ₂ nanocomposite electrolyte for electrochromic applications. <i>Electrochimica Acta</i> , 2016 , 196, 236-244	6.7	23
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	14.7	33
53	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	6.7	14
52	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	5.1	47
51	A super hydrophilic modification of poly(vinylidene fluoride) (PVDF) nanofibers: By in situ hydrothermal approach. <i>Applied Surface Science</i> , 2016 , 385, 417-425	6.7	23
50	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	9.6	55
49	Carbon nanotube hybrid nanostructures: future generation conducting materials. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 9347-9361	13	40
48	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	7.1	13
47	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	5.9	27

46	A Simple Method of Electrospun Tungsten Trioxide Nanofibers with Enhanced Visible-Light Photocatalytic Activity. <i>Nano-Micro Letters</i> , 2015 , 7, 291-297	19.5	34
45	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	7.9	24
44	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	11.3	15
43	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	6	14
42	Imaging, spectroscopy, mechanical, alignment and biocompatibility studies of electrospun medical grade polyurethane (Carbothane B575A) nanofibers and composite nanofibers containing multiwalled carbon nanotubes. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2015 , 41, 189-98	4.1	41
41	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	5.1	5
40	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	8.9	39
39	Structurally modified cerium doped hydrotalcite-like precursor as efficient catalysts for hydrogen production from sodium borohydride hydrolysis. <i>Energy</i> , 2015 , 93, 955-962	7.9	15
38	Preparation and application of Sm/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	5.1	22
37	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	7.9	21
36	Diffusion characteristics of different molecular weight solutes in Ca/alginate gel beads. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2015 , 469, 158-165	5.1	25
35	Synthesis and characterization of poly(vinylidene fluoride)/calcium phosphate composite for potential tissue engineering applications. <i>Ceramics International</i> , 2015 , 41, 7066-7072	5.1	20
34	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	6.7	6
33	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	7.9	31
32	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, 109-16	9.3	37
31	Low internal concentration polarization in forward osmosis membranes with hydrophilic crosslinked PVA nanofibers as porous support layer. <i>Desalination</i> , 2014 , 336, 24-31	10.3	104
30	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	7.9	36
29	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	4.6	18

28	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	3.7	20
27	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	3.7	24
26	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	2.3	15
25	Spray deposition of electrospun TiO ₂ nanoparticles with self-cleaning and transparent properties onto glass. <i>Applied Surface Science</i> , 2013 , 276, 390-396	6.7	42
24	Preparation of Y-zeolite/CoCl ₂ doped PVDF composite nanofiber and its application in hydrogen production. <i>Energy</i> , 2012 , 38, 144-150	7.9	30
23	Preparation of sol-gel modified electrospun TiO ₂ nanofibers for improved photocatalytic decomposition of ethylene. <i>Materials Letters</i> , 2012 , 76, 169-172	3.3	24
22	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	2	22
21	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	6.7	17
20	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	5.7	52
19	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	6.7	26
18	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	5.3	97
17	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	3.2	79
16	Hydrogen production from NaBH ₄ hydrolysis via Co-ZIF-9 catalyst. <i>Fuel Processing Technology</i> , 2012 , 100, 43-48	7.2	80
15	Fabrication of porous TiO ₂ nanofiber and its photocatalytic activity. <i>Materials Research Bulletin</i> , 2011 , 46, 2094-2099	5.1	42
14	Preparation of PVDF nanofiber composites for hydrogen generation from sodium borohydride. <i>Energy</i> , 2011 , 36, 755-759	7.9	57
13	Polyurethane nanofibers containing copper nanoparticles as future materials. <i>Applied Surface Science</i> , 2011 , 257, 3020-3026	6.7	81
12	Preparation of porous PVDF-NiB capsules as catalytic adsorbents for hydrogen generation from sodium borohydride. <i>Fuel Processing Technology</i> , 2011 , 92, 1368-1373	7.2	25
11	Triazole-forming waterborne polyurethane composites fabricated with silane coupling agent functionalized nano-silica. <i>Journal of Colloid and Interface Science</i> , 2011 , 361, 483-90	9.3	39

10	Preparation and application of sodium borohydride composites for portable hydrogen production. <i>Energy</i> , 2010 , 35, 960-963	7.9	38
9	Electrospun titanium dioxide nanofibers containing hydroxyapatite and silver nanoparticles as future implant materials. <i>Journal of Materials Science: Materials in Medicine</i> , 2010 , 21, 2551-9	4.5	22
8	Preparation of superhydrophobic membranes by electrospinning of fluorinated silane functionalized poly(vinylidene fluoride). <i>Applied Surface Science</i> , 2009 , 255, 7073-7077	6.7	63
7	Ni/Ag/silica nanocomposite catalysts for hydrogen generation from hydrolysis of NaBH ₄ solution. <i>Materials Letters</i> , 2008 , 62, 1451-1454	3.3	33
6	Thermal degradation and kinetic analysis of PVDF/modified MMT nanocomposite membranes. <i>Desalination</i> , 2008 , 234, 9-15	10.3	39
5	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	7.2	44
4	Imidazolium zinc tetrahalide-catalyzed coupling reaction of CO ₂ and ethylene oxide or propylene oxide. <i>Journal of Catalysis</i> , 2003 , 220, 44-46	7.3	142
3	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		1
2	Microstructural analysis of sintering behavior of intra-grain pores. <i>Korean Journal of Chemical Engineering</i> , 1998 , 15, 663-666	2.8	
1	A lattice model for solid-state sintering simple particle arrays. <i>Computational Materials Science</i> , 1995 , 4, 181-190	3.2	9