

Zhuxian Yang

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.

50
papers

3,165
citations

22
h-index

54
g-index

54
ext. papers

3,570
ext. citations

7.5
avg, IF

5.42
L-index

#	Paper	IF	Citations
50	Metal-organic framework derived multi-functionalized and co-doped TiO ₂ /C nanocomposites for excellent visible-light photocatalysis. <i>Journal of Materials Science and Technology</i> , 2022 , 101, 49-59	9.1	3
49	Enrichment of low concentration methane: an overview of ventilation air methane. <i>Journal of Materials Chemistry A</i> , 2022 , 10, 6397-6413	13	1
48	Recent Advances in Metal-Organic Frameworks Derived Nanocomposites for Photocatalytic Applications in Energy and Environment. <i>Advanced Science</i> , 2021 , 8, e2100625	13.6	31
47	Surface functionalized N-C-TiO ₂ /C nanocomposites derived from metal-organic framework in water vapour for enhanced photocatalytic H ₂ generation. <i>Journal of Energy Chemistry</i> , 2021 , 57, 485-495	12	19
46	Bimetal-organic framework derived multi-heterostructured TiO ₂ /Cu _x O/C nanocomposites with superior photocatalytic H ₂ generation performance. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 4103-4116	13	13
45	Bimetallic Fe-Mo sulfide/carbon nanocomposites derived from phosphomolybdic acid encapsulated MOF for efficient hydrogen generation. <i>Journal of Materials Science and Technology</i> , 2021 , 84, 76-85	9.1	7
44	Concentration of unconventional methane resources using microporous membranes: Process assessment and scale-up. <i>Journal of Natural Gas Science and Engineering</i> , 2020 , 81, 103420	4.6	3
43	Polyoxometallates@zeolitic-imidazolate-framework derived bimetallic tungsten-cobalt sulfide/porous carbon nanocomposites as efficient bifunctional electrocatalysts for hydrogen and oxygen evolution. <i>Electrochimica Acta</i> , 2020 , 330, 135335	6.7	29
42	Hydrogen adsorption properties of in-situ synthesized Pt-decorated porous carbons templated from zeolite EMC-2. <i>International Journal of Hydrogen Energy</i> , 2020 , 45, 25086-25095	6.7	4
41	The preparation of SiC nanowires reinforced porous carbon nanocomposites by a simple method. <i>Materials Chemistry and Physics</i> , 2018 , 219, 258-262	4.4	4
40	One-step construction of porous Ni/Co metal/oxide nanocubes for highly efficient oxygen evolution. <i>Electrochemistry Communications</i> , 2018 , 93, 191-196	5.1	6
39	Heteroatom-doped porous carbons with enhanced carbon dioxide uptake and excellent methylene blue adsorption capacities. <i>Microporous and Mesoporous Materials</i> , 2018 , 257, 1-8	5.3	47
38	A generic method to synthesise graphitic carbon coated nanoparticles in large scale and their derivative polymer nanocomposites. <i>Scientific Reports</i> , 2017 , 7, 11829	4.9	10
37	Novel graphitic carbon coated IF-WS ₂ reinforced poly(ether ether ketone) nanocomposites. <i>RSC Advances</i> , 2017 , 7, 35265-35273	3.7	16
36	Interface and properties of inorganic fullerene tungsten sulphide nanoparticle reinforced poly(ether ether ketone) nanocomposites. <i>Results in Physics</i> , 2017 , 7, 2417-2424	3.7	9
35	How the Toughest Inorganic Fullerene Cages Absorb Shockwave Pressures in a Protective Nanocomposite: Experimental Evidence from Two In Situ Investigations. <i>ACS Nano</i> , 2017 , 11, 8114-8121	16.7	16
34	Permeability studies on 3D Ni foam/graphene composites. <i>Journal Physics D: Applied Physics</i> , 2017 , 50, 385303	3	

33	Improved hydrogen release from ammonia borane confined in microporous carbon with narrow pore size distribution. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 15395-15400	13	22
32	A Systematic Study on the Preparation and Hydrogen Storage of Zeolite 13X-Templated Microporous Carbons. <i>European Journal of Inorganic Chemistry</i> , 2016 , 2016, 2152-2158	2.3	8
31	Designing 3D graphene networks via a 3D-printed Ni template. <i>RSC Advances</i> , 2015 , 5, 29397-29400	3.7	23
30	Three dimensional (3D) flexible graphene foam/polypyrrole composite: towards highly efficient supercapacitors. <i>RSC Advances</i> , 2015 , 5, 3999-4008	3.7	41
29	Preparation of 3D graphene-based architectures and their applications in supercapacitors. <i>Progress in Natural Science: Materials International</i> , 2015 , 25, 554-562	3.6	77
28	Zeolitic imidazolate framework materials: recent progress in synthesis and applications. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 16811-16831	13	537
27	A simple method for the production of highly ordered porous carbon materials with increased hydrogen uptake capacities. <i>International Journal of Hydrogen Energy</i> , 2013 , 38, 5039-5052	6.7	18
26	Preparation and gases storage capacities of N-doped porous activated carbon materials derived from mesoporous polymer. <i>Materials Chemistry and Physics</i> , 2013 , 141, 318-323	4.4	22
25	Porous carbon-based materials for hydrogen storage: advancement and challenges. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 9365	13	230
24	The effect of complex halides and binary halides on hydrogen release for the 2LiBH ₄ :1MgH ₂ system. <i>Faraday Discussions</i> , 2011 , 151, 133-41; discussion 199-212	3.6	9
23	Templated Porous Carbon Materials: Recent Developments 2010 , 217-264		3
22	Templated nanoscale porous carbons. <i>Nanoscale</i> , 2010 , 2, 639-59	7.7	277
21	CVD Nanocasting Routes to Zeolite-Templated Carbons for Hydrogen Storage. <i>Chemical Vapor Deposition</i> , 2010 , 16, 322-328		30
20	Probing the effect of the carbonisation process on the textural properties and morphology of mesoporous carbons. <i>Microporous and Mesoporous Materials</i> , 2008 , 113, 378-384	5.3	9
19	Self-Assembled Ultralarge Millimeter-Sized Graphitic Carbon Rods Grown on Mesoporous Silica Substrate. <i>Chemistry of Materials</i> , 2007 , 19, 6317-6322	9.6	5
18	Novel mesoporous silicoaluminophosphates as highly active and selective materials in the Beckmann rearrangement of cyclohexanone and cyclododecanone oximes. <i>Journal of Catalysis</i> , 2007 , 252, 1-10	7.3	23
17	Preparation of versatile silica/carbon nanocomposites via carbonization of ethyl-bridged periodic mesoporous organosilica. <i>Studies in Surface Science and Catalysis</i> , 2007 , 393-396	1.8	0
16	Enhanced hydrogen storage capacity of high surface area zeolite-like carbon materials. <i>Journal of the American Chemical Society</i> , 2007 , 129, 1673-9	16.4	509

15	Novel fibrous catalyst in advanced oxidation of photographic processing effluents. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2006 , 41, 129-41	2.3	3
14	Preparation and hydrogen storage properties of zeolite-templated carbon materials nanocast via chemical vapor deposition: effect of the zeolite template and nitrogen doping. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 18424-31	3.4	217
13	Periodic mesoporous organosilica mesophases are versatile precursors for the direct preparation of mesoporous silica/carbon composites, carbon and silicon carbide materials. <i>Journal of Materials Chemistry</i> , 2006 , 16, 3417		28
12	Simultaneous Control of Morphology and Porosity in Nanoporous Carbon: Graphitic Mesoporous Carbon Nanorods and Nanotubules with Tunable Pore Size. <i>Chemistry of Materials</i> , 2006 , 18, 140-148	9.6	81
11	Molecularly Ordered Ethylene-Bridged Periodic Mesoporous Organosilica Spheres with Tunable Micrometer Sizes. <i>Chemistry of Materials</i> , 2006 , 18, 1141-1148	9.6	49
10	Aligned N-Doped Carbon Nanotube Bundles Prepared via CVD Using Zeolite Substrates. <i>Chemistry of Materials</i> , 2005 , 17, 4502-4508	9.6	50
9	Hollow shells of high surface area graphitic N-doped carbon composites nanocast using zeolite templates. <i>Microporous and Mesoporous Materials</i> , 2005 , 86, 69-80	5.3	49
8	Synthesis of hollow spherical mesoporous N-doped carbon materials with graphitic framework. <i>Studies in Surface Science and Catalysis</i> , 2005 , 565-572	1.8	13
7	Porous N-doped carbon with various hollow-cored morphologies nanocast using zeolite templates via chemical vapour deposition. <i>Studies in Surface Science and Catalysis</i> , 2005 , 156, 573-580	1.8	7
6	Zeolite ZSM-5 with Unique Supermicropores Synthesized Using Mesoporous Carbon as a Template. <i>Advanced Materials</i> , 2004 , 16, 727-732	24	259
5	Mesostructured Hollow Spheres of Graphitic N-Doped Carbon Nanocast from Spherical Mesoporous Silica. <i>Journal of Physical Chemistry B</i> , 2004 , 108, 19293-19298	3.4	125
4	High Surface Area Silicon Carbide Whiskers and Nanotubes Nanocast Using Mesoporous Silica. <i>Chemistry of Materials</i> , 2004 , 16, 3877-3884	9.6	94
3	High temperature thermal stabilization of alumina modified by lanthanum species. <i>Applied Catalysis A: General</i> , 2001 , 205, 159-172	5.1	102
2	Comparison of effect of La-modification on the thermostabilities of alumina and alumina-supported Pd catalysts prepared from different alumina sources. <i>Applied Catalysis B: Environmental</i> , 2001 , 29, 185-194	21.8	19
1	Graphene-reinforced metal-organic frameworks derived cobalt sulfide/carbon nanocomposites as efficient multifunctional electrocatalysts. <i>Frontiers of Chemical Science and Engineering</i> , 1	4.5	6