Zhuxian Yang

List of Publications by Citations

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	Zeolitic imidazolate framework materials: recent progress in synthesis and applications. *Journal of Materials Chemistry A*, **2014**, 2, 16811-16831	13	537
49	Enhanced hydrogen storage capacity of high surface area zeolite-like carbon materials. *Journal of the American Chemical Society*, **2007**, 129, 1673-9	16.4	509
48	Templated nanoscale porous carbons. *Nanoscale*, **2010**, 2, 639-59	7.7	277
47	Zeolite ZSM-5 with Unique Supermicropores Synthesized Using Mesoporous Carbon as a Template. *Advanced Materials*, **2004**, 16, 727-732	24	259
46	Porous carbon-based materials for hydrogen storage: advancement and challenges. *Journal of Materials Chemistry A*, **2013**, 1, 9365	13	230
45	Preparation and hydrogen storage properties of zeolite-templated carbon materials nanocast via chemical vapor deposition: effect of the zeolite template and nitrogen doping. *Journal of Physical Chemistry B*, **2006**, 110, 18424-31	3.4	217
44	Mesostructured Hollow Spheres of Graphitic N-Doped Carbon Nanocast from Spherical Mesoporous Silica. *Journal of Physical Chemistry B*, **2004**, 108, 19293-19298	3.4	125
43	High temperature thermal stabilization of alumina modified by lanthanum species. *Applied Catalysis A: General*, **2001**, 205, 159-172	5.1	102
42	High Surface Area Silicon Carbide Whiskers and Nanotubes Nanocast Using Mesoporous Silica. *Chemistry of Materials*, **2004**, 16, 3877-3884	9.6	94
41	Simultaneous Control of Morphology and Porosity in Nanoporous Carbon: Graphitic Mesoporous Carbon Nanorods and Nanotubules with Tunable Pore Size. *Chemistry of Materials*, **2006**, 18, 140-148	9.6	81
40	Preparation of 3D graphene-based architectures and their applications in supercapacitors. *Progress in Natural Science: Materials International*, **2015**, 25, 554-562	3.6	77
39	Aligned N-Doped Carbon Nanotube Bundles Prepared via CVD Using Zeolite Substrates. *Chemistry of Materials*, **2005**, 17, 4502-4508	9.6	50
38	Molecularly Ordered Ethylene-Bridged Periodic Mesoporous Organosilica Spheres with Tunable Micrometer Sizes. *Chemistry of Materials*, **2006**, 18, 1141-1148	9.6	49
37	Hollow shells of high surface area graphitic N-doped carbon composites nanocast using zeolite templates. *Microporous and Mesoporous Materials*, **2005**, 86, 69-80	5.3	49
36	Heteroatom-doped porous carbons with enhanced carbon dioxide uptake and excellent methylene blue adsorption capacities. *Microporous and Mesoporous Materials*, **2018**, 257, 1-8	5.3	47
35	Three dimensional (3D) flexible graphene foam/polypyrrole composite: towards highly efficient supercapacitors. *RSC Advances*, **2015**, 5, 3999-4008	3.7	41
34	Recent Advances in Metal-Organic Frameworks Derived Nanocomposites for Photocatalytic Applications in Energy and Environment. *Advanced Science*, **2021**, 8, e2100625	13.6	31

33	CVD Nanocasting Routes to Zeolite-Templated Carbons for Hydrogen Storage. *Chemical Vapor Deposition*, **2010**, 16, 322-328		30
32	Polyoxometallates@zeolitic-imidazolate-framework derived bimetallic tungsten-cobalt sulfide/porous carbon nanocomposites as efficient bifunctional electrocatalysts for hydrogen and oxygen evolution. *Electrochimica Acta*, **2020**, 330, 135335	6.7	29
31	Periodic mesoporous organosilica mesophases are versatile precursors for the direct preparation of mesoporous silica/carbon composites, carbon and silicon carbide materials. *Journal of Materials Chemistry*, **2006**, 16, 3417		28
30	Designing 3D graphene networks via a 3D-printed Ni template. *RSC Advances*, **2015**, 5, 29397-29400	3.7	23
29	Novel mesoporous silicoaluminophosphates as highly active and selective materials in the Beckmann rearrangement of cyclohexanone and cyclododecanone oximes. *Journal of Catalysis*, **2007**, 252, 1-10	7.3	23
28	Preparation and gases storage capacities of N-doped porous activated carbon materials derived from mesoporous polymer. *Materials Chemistry and Physics*, **2013**, 141, 318-323	4.4	22
27	Improved hydrogen release from ammonia borane confined in microporous carbon with narrow pore size distribution. *Journal of Materials Chemistry A*, **2017**, 5, 15395-15400	13	22
26	Comparison of effect of La-modification on the thermostabilities of alumina and alumina-supported Pd catalysts prepared from different alumina sources. *Applied Catalysis B: Environmental*, **2001**, 29, 185-194	21.8	19
25	Surface functionalized N-C-TiO2/C nanocomposites derived from metal-organic framework in water vapour for enhanced photocatalytic H2 generation. *Journal of Energy Chemistry*, **2021**, 57, 485-495	12	19
24	A simple method for the production of highly ordered porous carbon materials with increased hydrogen uptake capacities. *International Journal of Hydrogen Energy*, **2013**, 38, 5039-5052	6.7	18
23	Novel graphitic carbon coated IF-WS2 reinforced poly(ether ether ketone) nanocomposites. *RSC Advances*, **2017**, 7, 35265-35273	3.7	16
22	How the Toughest Inorganic Fullerene Cages Absorb Shockwave Pressures in a Protective Nanocomposite: Experimental Evidence from Two In Situ Investigations. *ACS Nano*, **2017**, 11, 8114-8121	16.7	16
21	Synthesis of hollow spherical mesoporous N-doped carbon materials with graphitic framework. *Studies in Surface Science and Catalysis*, **2005**, 565-572	1.8	13
20	Bimetallorganic framework derived multi-heterostructured TiO2/CuxO/C nanocomposites with superior photocatalytic H2 generation performance. *Journal of Materials Chemistry A*, **2021**, 9, 4103-4116	13	13
19	A generic method to synthesise graphitic carbon coated nanoparticles in large scale and their derivative polymer nanocomposites. *Scientific Reports*, **2017**, 7, 11829	4.9	10
18	Interface and properties of inorganic fullerene tungsten sulphide nanoparticle reinforced poly (ether ether ketone) nanocomposites. *Results in Physics*, **2017**, 7, 2417-2424	3.7	9
17	The effect of complex halides and binary halides on hydrogen release for the 2LiBH4:1MgH2 system. *Faraday Discussions*, **2011**, 151, 133-41; discussion 199-212	3.6	9
16	Probing the effect of the carbonisation process on the textural properties and morphology of mesoporous carbons. *Microporous and Mesoporous Materials*, **2008**, 113, 378-384	5.3	9

15	A Systematic Study on the Preparation and Hydrogen Storage of Zeolite 13X-Templated Microporous Carbons. *European Journal of Inorganic Chemistry*, **2016**, 2016, 2152-2158	2.3	8
14	Porous N-doped carbon with various hollow-cored morphologies nanocast using zeolite templates via chemical vapour deposition. *Studies in Surface Science and Catalysis*, **2005**, 156, 573-580	1.8	7
13	Bimetallic Fe-Mo sulfide/carbon nanocomposites derived from phosphomolybdic acid encapsulated MOF for efficient hydrogen generation. *Journal of Materials Science and Technology*, **2021**, 84, 76-85	9.1	7
12	One-step construction of porous Ni/Co metal/oxide nanocubes for highly efficient oxygen evolution. *Electrochemistry Communications*, **2018**, 93, 191-196	5.1	6
11	Graphene-reinforced metal-organic frameworks derived cobalt sulfide/carbon nanocomposites as efficient multifunctional electrocatalysts. *Frontiers of Chemical Science and Engineering*,1	4.5	6
10	Self-Assembled Ultralarge Millimeter-Sized Graphitic Carbon Rods Grown on Mesoporous Silica Substrate. *Chemistry of Materials*, **2007**, 19, 6317-6322	9.6	5
9	The preparation of SiC nanowires reinforced porous carbon nanocomposites by a simple method. *Materials Chemistry and Physics*, **2018**, 219, 258-262	4.4	4
8	Hydrogen adsorption properties of in-situ synthesized Pt-decorated porous carbons templated from zeolite EMC-2. *International Journal of Hydrogen Energy*, **2020**, 45, 25086-25095	6.7	4
7	Concentration of unconventional methane resources using microporous membranes: Process assessment and scale-up. *Journal of Natural Gas Science and Engineering*, **2020**, 81, 103420	4.6	3
6	Templated Porous Carbon Materials: Recent Developments **2010**, 217-264		3
5	Novel fibrous catalyst in advanced oxidation of photographic processing effluents. *Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering*, **2006**, 41, 129-41	2.3	3
4	Metal-organic framework derived multi-functionalized and co-doped TiO2/C nanocomposites for excellent visible-light photocatalysis. *Journal of Materials Science and Technology*, **2022**, 101, 49-59	9.1	3
3	Enrichment of low concentration methane: an overview of ventilation air methane. *Journal of Materials Chemistry A*, **2022**, 10, 6397-6413	13	1
2	Preparation of versatile silica/carbon nanocomposites via carbonization of ethyl-bridged periodic mesoporous organosilica. *Studies in Surface Science and Catalysis*, **2007**, 393-396	1.8	0
1	Permeability studies on 3D Ni foam/graphene composites. *Journal Physics D: Applied Physics*, **2017**, 50, 385303	3	