

Hong Guo

List of Publications by Year in descending order

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71
papers

3,498
citations

109264

35
h-index

143943

57
g-index

73
all docs

73
docs citations

73
times ranked

4384
citing authors

#	ARTICLE	IF	CITATIONS
1	Controlled assemble of hollow heterostructured g-C ₃ N ₄ @CeO ₂ with rich oxygen vacancies for enhanced photocatalytic CO ₂ reduction. <i>Applied Catalysis B: Environmental</i> , 2019, 243, 566-575.	10.8	287
2	Effective Adsorption and Removal of Phosphate from Aqueous Solutions and Eutrophic Water by Fe-based MOFs of MIL-101. <i>Scientific Reports</i> , 2017, 7, 3316.	1.6	190
3	Few-layer MoSe ₂ Nanosheets with Expanded (002) Planes Confined in Hollow Carbon Nanospheres for Ultrahigh-performance Na-ion Batteries. <i>Advanced Functional Materials</i> , 2018, 28, 1707480.	7.8	181
4	Dual Active Site of the Azo and Carbonyl-Modified Covalent Organic Framework for High-Performance Li Storage. <i>ACS Energy Letters</i> , 2020, 5, 1022-1031.	8.8	156
5	Gold coating for a high performance Li ₄ Ti ₅ O ₁₂ nanorod aggregates anode in lithium-ion batteries. <i>Journal of Power Sources</i> , 2014, 245, 624-629.	4.0	127
6	General design of hollow porous CoFe ₂ O ₄ nanocubes from metal-organic frameworks with extraordinary lithium storage. <i>Nanoscale</i> , 2014, 6, 15168-15174.	2.8	122
7	Z-Scheme Au@Void@g-C ₃ N ₄ /SnS Yolk-Shell Heterostructures for Superior Photocatalytic CO ₂ Reduction under Visible Light. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 34123-34131.	4.0	120
8	N-doped C-encapsulated scale-like yolk-shell frame assembled by expanded planes few-layer MoSe ₂ for enhanced performance in sodium-ion batteries. <i>Nano Energy</i> , 2018, 51, 639-648.	8.2	104
9	Accurate hierarchical control of hollow crossed NiCo ₂ O ₄ nanocubes for superior lithium storage. <i>Nanoscale</i> , 2014, 6, 5491-5497.	2.8	95
10	Hollow NiO nanotubes synthesized by bio-templates as the high performance anode materials of lithium-ion batteries. <i>Electrochimica Acta</i> , 2013, 114, 42-47.	2.6	93
11	Dual-Active-Center of Polyimide and Triazine Modified Atomic-Layer Covalent Organic Frameworks for High-performance Li Storage. <i>Advanced Functional Materials</i> , 2021, 31, 2101019.	7.8	72
12	Hollow nanotubular SiO _x templated by cellulose fibers for lithium ion batteries. <i>Electrochimica Acta</i> , 2012, 74, 271-274.	2.6	67
13	Morphology-controlled synthesis of SnO ₂ /C hollow core-shell nanoparticle aggregates with improved lithium storage. <i>Journal of Materials Chemistry A</i> , 2013, 1, 3652.	5.2	65
14	Controlled assemble of oxygen vacant CeO ₂ @Bi ₂ WO ₆ hollow magnetic microcapsule heterostructures for visible-light photocatalytic activity. <i>Chemical Engineering Journal</i> , 2017, 330, 1297-1305.	6.6	63
15	Hierarchical CoS ₂ @C hollow microspheres constructed by nanosheets with superior lithium storage. <i>Journal of Power Sources</i> , 2015, 286, 159-165.	4.0	62
16	Preparation of FePO ₄ by liquid-phase method and modification on the surface of LiNi _{0.80} Co _{0.15} Al _{0.05} O ₂ cathode material. <i>Journal of Alloys and Compounds</i> , 2018, 731, 428-436.	2.8	62
17	Robust hexagonal nut-shaped titanium(IV) MOF with porous structure for ultra-high performance lithium storage. <i>Electrochimica Acta</i> , 2019, 296, 746-754.	2.6	62
18	Sn ⁴⁺ self-doped hollow cubic SnS as an efficient visible-light photocatalyst for Cr(VI) reduction and detoxification of cyanide. <i>Journal of Materials Chemistry A</i> , 2017, 5, 6299-6309.	5.2	61

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19	Self-assembled hierarchical yolk-shell structured NiO@C from metal-organic frameworks with outstanding performance for lithium storage. <i>Chemical Communications</i> , 2014, 50, 9485-9488.	2.2	59
20	Understanding dual-vacancy heterojunction for boosting photocatalytic CO ₂ reduction with highly selective conversion to CH ₄ . <i>Applied Catalysis B: Environmental</i> , 2022, 316, 121679.	10.8	59
21	Surface modification of hollow magnetic Fe ₃ O ₄ @NH ₂ -MIL-101(Fe) derived from metal-organic frameworks for enhanced selective removal of phosphates from aqueous solution. <i>Scientific Reports</i> , 2016, 6, 30651.	1.6	57
22	Rich S vacant g-C ₃ N ₄ @CuIn ₅ S ₈ hollow heterojunction for highly efficient selective photocatalytic CO ₂ reduction. <i>Chemical Engineering Journal</i> , 2021, 424, 130325.	6.6	53
23	Cooperative catalytic interface accelerates redox kinetics of sulfur species for high-performance Li-S batteries. <i>Energy Storage Materials</i> , 2021, 40, 139-149.	9.5	47
24	Designed hierarchical synthesis of ring-shaped Bi ₂ WO ₆ @CeO ₂ hybrid nanoparticle aggregates for photocatalytic detoxification of cyanide. <i>Green Chemistry</i> , 2014, 16, 2539-2545.	4.6	46
25	Designed hierarchical MnO ₂ microspheres assembled from nanofilms for removal of heavy metal ions. <i>RSC Advances</i> , 2014, 4, 14048-14054.	1.7	46
26	Hollow nanotubular SnO ₂ with improved lithium storage. <i>Journal of Power Sources</i> , 2012, 219, 280-284.	4.0	42
27	Rearrangement on surface structures by boride to enhanced cycle stability for LiNi _{0.80} Co _{0.15} Al _{0.05} O ₂ cathode in lithium ion batteries. <i>Journal of Energy Chemistry</i> , 2020, 45, 110-118.	7.1	42
28	Morphology-controlled synthesis of cage-bell Pd@CeO ₂ structured nanoparticle aggregates as catalysts for the low-temperature oxidation of CO. <i>Journal of Materials Chemistry A</i> , 2013, 1, 7494.	5.2	41
29	Understanding Dual-Polar Group Functionalized COFs for Accelerating Li ⁺ Ion Transport and Dendrite-Free Deposition in Lithium Metal Anodes. <i>Energy and Environmental Materials</i> , 2023, 6, .	7.3	41
30	Hierarchical hollow Fe ₂ O ₃ @MIL-101(Fe)/C derived from metal-organic frameworks for superior sodium storage. <i>Scientific Reports</i> , 2016, 6, 25556.	1.6	40
31	Shape-controlled synthesis of Ag@TiO ₂ cage-bell hybrid structure with enhanced photocatalytic activity and superior lithium storage. <i>Green Chemistry</i> , 2013, 15, 2810.	4.6	39
32	Core-shell TiO ₂ microsphere with enhanced photocatalytic activity and improved lithium storage. <i>Journal of Solid State Chemistry</i> , 2013, 201, 137-143.	1.4	38
33	Recycling valuable cobalt from spent lithium ion batteries for controllably designing a novel sea-urchin-like cobalt nitride-graphene hybrid catalyst: Towards efficient overall water splitting. <i>Journal of Energy Chemistry</i> , 2021, 62, 440-450.	7.1	38
34	Enhanced ionic conductivity of a Na ₃ Zr ₂ Si ₂ PO ₁₂ solid electrolyte with Na ₂ SiO ₃ obtained by liquid phase sintering for solid-state Na ⁺ batteries. <i>Nanoscale</i> , 2022, 14, 823-832.	2.8	38
35	S vacant CuIn ₅ S ₈ confined in a few-layer MoSe ₂ with interlayer-expanded hollow heterostructures boost photocatalytic CO ₂ reduction. <i>Rare Metals</i> , 2022, 41, 144-154.	3.6	37
36	Controlled synthesis of hollow octahedral ZnCo ₂ O ₄ nanocages assembled from ultrathin 2D nanosheets for enhanced lithium storage. <i>Nanoscale</i> , 2017, 9, 17174-17180.	2.8	36

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37	COFs-based electrolyte accelerates the Na ⁺ diffusion and restrains dendrite growth in quasi-solid-state organic batteries. <i>Nano Energy</i> , 2022, 92, 106756.	8.2	36
38	Hierarchical synthesis of Mo-Sn oxide cage-bell hybrid structures with superior lithium storage. <i>Chemical Communications</i> , 2014, 50, 673-675.	2.2	35
39	Hydrophobic ionic liquids as novel extractants for gold(I) recovery from alkaline cyanide solutions. <i>Journal of Chemical Technology and Biotechnology</i> , 2015, 90, 1102-1109.	1.6	35
40	Li ⁺ intercalation pseudocapacitance in Sn-based metal-organic framework for high capacity and ultra-stable Li ion storage. <i>Journal of Power Sources</i> , 2019, 440, 227162.	4.0	35
41	Self-assembly formation of hollow Ni-Fe-O nanocage architectures by metal-organic frameworks with high-performance lithium storage. <i>Scientific Reports</i> , 2015, 5, 13310.	1.6	34
42	Self-assembled hierarchical hollow CuS@MoS ₂ microcubes with superior lithium storage. <i>Electrochimica Acta</i> , 2017, 250, 376-383.	2.6	33
43	Facile synthesis of the porous FeCo@nitrogen-doped carbon nanosheets as bifunctional oxygen electrocatalysts. <i>Electrochimica Acta</i> , 2020, 335, 135647.	2.6	31
44	Extended π -conjugated N-containing heteroaromatic hexacarboxylate organic anode for high performance rechargeable batteries. <i>Journal of Energy Chemistry</i> , 2020, 51, 303-311.	7.1	28
45	Covalent organic frameworks for solid-state electrolytes of lithium metal batteries. <i>Journal of Materials Chemistry A</i> , 2022, 10, 7497-7516.	5.2	28
46	Understanding rich oxygen vacant hollow CeO ₂ @MoSe ₂ heterojunction for accelerating photocatalytic CO ₂ reduction. <i>Journal of Colloid and Interface Science</i> , 2022, 611, 644-653.	5.0	27
47	Template-Free Fabrication of Hollow NiO@Carbon Hybrid Nanoparticle Aggregates with Improved Lithium Storage. <i>Particle and Particle Systems Characterization</i> , 2014, 31, 374-381.	1.2	26
48	A Hydrothermal Synthesis of Fe ₃ O ₄ @C Hybrid Nanoparticle and Magnetic Adsorptive Performance to Remove Heavy Metal Ions in Aqueous Solution. <i>Nanoscale Research Letters</i> , 2018, 13, 178.	3.1	25
49	A photochromic zinc-based coordination polymer for a Li-ion battery anode with high capacity and stable cycling stability. <i>Dalton Transactions</i> , 2018, 47, 13222-13228.	1.6	24
50	Molecular engineering regulation redox-active-center covalent organic frameworks-based anode for high-performance Li storage. <i>EcoMat</i> , 2022, 4, .	6.8	24
51	COF-based single Li ⁺ solid electrolyte accelerates the ion diffusion and restrains dendrite growth in quasi-solid-state organic batteries. , 2023, 5, .		24
52	Controlled assembly of Ag nanoparticles on the surface of phosphate pillar [6]arene functionalized single-walled carbon nanotube for enhanced catalysis and sensing performance. <i>Electrochimica Acta</i> , 2019, 318, 711-719.	2.6	23
53	An inorganic-organic hybrid supramolecular framework as a high-performance anode for lithium-ion batteries. <i>Dalton Transactions</i> , 2018, 47, 5166-5170.	1.6	22
54	Boosting rate performance of LiNi _{0.8} Co _{0.15} Al _{0.05} O ₂ cathode by simply mixing lithium iron phosphate. <i>Journal of Alloys and Compounds</i> , 2020, 827, 154296.	2.8	22

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55	Red phosphorus confined in N-doped multi-cavity mesoporous carbon for ultrahigh-performance sodium-ion batteries. <i>Journal of Power Sources</i> , 2020, 450, 227696.	4.0	22
56	An asymmetric bilayer polymer-ceramic solid electrolyte for high-performance sodium metal batteries. <i>Journal of Energy Chemistry</i> , 2022, 74, 18-25.	7.1	21
57	2D SnO ₂ nanorod networks templated by garlic skins for lithium ion batteries. <i>Materials Research Bulletin</i> , 2013, 48, 1518-1522.	2.7	17
58	Morphology-controlled synthesis of Ti ³⁺ self-doped yolk-shell structure titanium oxide with superior photocatalytic activity under visible light. <i>Journal of Solid State Chemistry</i> , 2014, 213, 98-103.	1.4	14
59	A lanthanide-based coordination polymer as lithium ion battery anode with high cyclic stability. <i>Materials Letters</i> , 2019, 238, 171-174.	1.3	14
60	Morphology-controlled construction of hierarchical hollow hybrid SnO ₂ @TiO ₂ nanocapsules with outstanding lithium storage. <i>Scientific Reports</i> , 2015, 5, 15252.	1.6	13
61	Hierarchical hollow TiO ₂ @CeO ₂ nanocube heterostructures for photocatalytic detoxification of cyanide. <i>RSC Advances</i> , 2015, 5, 11733-11737.	1.7	13
62	Structure and morphology evolution in solid-phase synthesis lithium ion battery LiNi _{0.80} Co _{0.15} Al _{0.05} O ₂ cathode materials with different micro-nano sizes of raw materials. <i>Ceramics International</i> , 2018, 44, 9294-9302.	2.3	13
63	Red phosphorus confined in hierarchical hollow surface-modified Co ₉ S ₈ for enhanced sodium storage. <i>Sustainable Energy and Fuels</i> , 2020, 4, 2208-2219.	2.5	12
64	Boosting the water splitting activity of cobalt nitride through morphological design: a comparison of the influence of structure on the hydrogen and oxygen evolution reactions. <i>Sustainable Energy and Fuels</i> , 2021, 5, 3632-3639.	2.5	12
65	Improved and stable triazine-based covalent organic framework for lithium storage. <i>Applied Surface Science</i> , 2022, 594, 153481.	3.1	12
66	Fabrication of porous Ni/CoFe ₂ O ₄ @C composite for pseudocapacitive lithium storage. <i>Journal of Alloys and Compounds</i> , 2021, 854, 157177.	2.8	11
67	Control loading Au nanoparticles on the surface of hydroxyl pillar[5]arene functionalized single-walled carbon nanotubes and its application in catalysis and sensing. <i>Sustainable Energy and Fuels</i> , 2019, 3, 2312-2320.	2.5	10
68	MOFs-derived Bi ₂ O ₃ @C with rich oxygen vacancies through rapid thermal annealing technology for photodegradation of tetracycline hydrochloride. <i>Applied Surface Science</i> , 2022, 586, 152813.	3.1	10
69	Accurate hierarchical control of hollow nanocube Pd/CeO ₂ catalysts for the low-temperature oxidation of CO. <i>Catalysis Communications</i> , 2015, 64, 62-65.	1.6	3
70	Ni ₃ FeN functionalized carbon nanofibers boosting polysulfide conversion for Li-S chemistry. <i>RSC Advances</i> , 2022, 12, 6930-6937.	1.7	1
71	Electrical Activation of Nano/Micro-size Crystallite Carbon. <i>Energy Procedia</i> , 2012, 14, 101-107.	1.8	0