

wenchao Peng

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137
papers

5,131
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149
ext. papers

6,435
ext. citations

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avg, IF

5.99
L-index

#	Paper	IF	Citations
137	Deoxygenation of Exfoliated Graphite Oxide under Alkaline Conditions: A Green Route to Graphene Preparation. <i>Advanced Materials</i> , 2008 , 20, 4490-4493	24	1517
136	Magnetic CoFe ₂ O ₄ /Graphene Hybrids: Facile Synthesis, Characterization, and Catalytic Properties. <i>Industrial & Engineering Chemistry Research</i> , 2012 , 51, 6044-6051	3.9	185
135	Synthesis of porous reduced graphene oxide as metal-free carbon for adsorption and catalytic oxidation of organics in water. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 5854	13	164
134	Hierarchical Nanorod-like MoS ₂ /Ti ₃ C ₂ T _x hybrid with high electrocatalytic hydrogen evolution activity. <i>Applied Catalysis B: Environmental</i> , 2019 , 241, 89-94	21.8	145
133	Advanced Graphene-Based Binder-Free Electrodes for High-Performance Energy Storage. <i>Advanced Materials</i> , 2015 , 27, 5264-79	24	130
132	Physical and chemical activation of reduced graphene oxide for enhanced adsorption and catalytic oxidation. <i>Nanoscale</i> , 2014 , 6, 766-71	7.7	129
131	Polyaniline Derived N-Doped Carbon-Coated Cobalt Phosphide Nanoparticles Deposited on N-Doped Graphene as an Efficient Electrocatalyst for Hydrogen Evolution Reaction. <i>Small</i> , 2018 , 14, 1702895	11.8	99
130	MoS ₂ /reduced graphene oxide hybrid with CdS nanoparticles as a visible light-driven photocatalyst for the reduction of 4-nitrophenol. <i>Journal of Hazardous Materials</i> , 2016 , 309, 173-9	12.8	89
129	1T-Phase MoS ₂ Nanosheets on TiO ₂ Nanorod Arrays: 3D Photoanode with Extraordinary Catalytic Performance. <i>ACS Sustainable Chemistry and Engineering</i> , 2017 , 5, 5175-5182	8.3	85
128	High Yield Exfoliation of WS Crystals into 1-2 Layer Semiconducting Nanosheets and Efficient Photocatalytic Hydrogen Evolution from WS/CdS Nanorod Composites. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 2810-2818	9.5	79
127	Roles of Two-Dimensional Transition Metal Dichalcogenides as Cocatalysts in Photocatalytic Hydrogen Evolution and Environmental Remediation. <i>Industrial & Engineering Chemistry Research</i> , 2017 , 56, 4611-4626	3.9	77
126	Heterostructure engineering of Co-doped MoS coupled with MoCT MXene for enhanced hydrogen evolution in alkaline media. <i>Nanoscale</i> , 2019 , 11, 10992-11000	7.7	67
125	Butyllithium-Treated TiCT MXene with Excellent Pseudocapacitor Performance. <i>ACS Nano</i> , 2019 , 13, 9449-9456	16.7	65
124	Rapid exfoliation of layered covalent triazine-based frameworks into N-doped quantum dots for the selective detection of Hg ²⁺ ions. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 9272-9278	13	62
123	Modulating the Electronic Structure of Single-Atom Catalysts on 2D Nanomaterials for Enhanced Electrocatalytic Performance. <i>Small Methods</i> , 2019 , 3, 1800438	12.8	60
122	Synthesis of nitrogen and sulfur co-doped reduced graphene oxide as efficient metal-free cocatalyst for the photo-activity enhancement of CdS. <i>Applied Catalysis B: Environmental</i> , 2018 , 236, 212-221	21.8	57
121	Ultra-small Mo ₂ C nanodots encapsulated in nitrogen-doped porous carbon for pH-universal hydrogen evolution: insights into the synergistic enhancement of HER activity by nitrogen doping and structural defects. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 4734-4743	13	53

120	Boosting aqueous zinc-ion storage in MoS ₂ via controllable phase. <i>Chemical Engineering Journal</i> , 2020 , 389, 124405	14.7	53
119	Controllable Synthesis of Ruthenium Phosphides (RuP and RuP ₂) for pH-Universal Hydrogen Evolution Reaction. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 6388-6394	8.3	52
118	A novel H ₂ O ₂ electrochemical sensor based on NiCo ₂ S ₄ functionalized reduced graphene oxide. <i>Journal of Alloys and Compounds</i> , 2019 , 784, 827-833	5.7	49
117	Hierarchical photocatalyst of In ₂ S ₃ on exfoliated MoS ₂ nanosheets for enhanced visible-light-driven Aza-Henry reaction. <i>Applied Catalysis B: Environmental</i> , 2018 , 237, 288-294	21.8	49
116	Utilization of MoS ₂ Nanosheets To Enhance the Photocatalytic Activity of ZnO for the Aerobic Oxidation of Benzyl Halides under Visible Light. <i>Industrial & Engineering Chemistry Research</i> , 2016 , 55, 8726-8732	3.9	47
115	TiCT nanosheets as photothermal agents for near-infrared responsive hydrogels. <i>Nanoscale</i> , 2018 , 10, 15387-15392	7.7	46
114	Enhanced cycling performance of Si-MXene nanohybrids as anode for high performance lithium ion batteries. <i>Chemical Engineering Journal</i> , 2019 , 378, 122212	14.7	45
113	Reversible intercalation and exfoliation of layered covalent triazine frameworks for enhanced lithium ion storage. <i>Chemical Communications</i> , 2019 , 55, 1434-1437	5.8	44
112	Synthesis of a sulfur-graphene composite as an enhanced metal-free photocatalyst. <i>Nano Research</i> , 2013 , 6, 286-292	10	43
111	(0D/3D) MoS ₂ on porous graphene as catalysts for enhanced electrochemical hydrogen evolution. <i>Carbon</i> , 2017 , 121, 163-169	10.4	42
110	Few-Layered Trigonal WS Nanosheet-Coated Graphite Foam as an Efficient Free-Standing Electrode for a Hydrogen Evolution Reaction. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 30591-30598	9.5	42
109	Direct exfoliation of the anode graphite of used Li-ion batteries into few-layer graphene sheets: a green and high yield route to high-quality graphene preparation. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 5880-5885	13	41
108	Utilization of MoS ₂ and graphene to enhance the photocatalytic activity of Cu ₂ O for oxidative C-C bond formation. <i>Applied Catalysis B: Environmental</i> , 2017 , 213, 1-8	21.8	40
107	NbSe ₂ Nanosheet Supported PbBiO ₂ Br as a High Performance Photocatalyst for the Visible Light-driven Asymmetric Alkylation of Aldehyde. <i>ACS Sustainable Chemistry and Engineering</i> , 2015 , 3, 1017-1022	8.3	40
106	Hierarchical Cobalt Borate/MXenes Hybrid with Extraordinary Electrocatalytic Performance in Oxygen Evolution Reaction. <i>ChemSusChem</i> , 2018 , 11, 3758-3765	8.3	40
105	Synergy of nitrogen doping and structural defects on hierarchically porous carbons toward catalytic oxidation via a non-radical pathway. <i>Carbon</i> , 2019 , 155, 268-278	10.4	38
104	Metallic 1T phase MoS ₂ nanosheets as a highly efficient co-catalyst for the photocatalytic hydrogen evolution of CdS nanorods. <i>RSC Advances</i> , 2016 , 6, 74394-74399	3.7	38
103	CoP nanoparticles combined with WS ₂ nanosheets as efficient electrocatalytic hydrogen evolution reaction catalyst. <i>International Journal of Hydrogen Energy</i> , 2017 , 42, 3947-3954	6.7	37

102	Sorption Behavior of Bisphenol A and Triclosan by Graphene: Comparison with Activated Carbon. <i>ACS Omega</i> , 2017 , 2, 5378-5384	3.9	35
101	The Promoting Role of Different Carbon Allotropes Cocatalysts for Semiconductors in Photocatalytic Energy Generation and Pollutants Degradation. <i>Frontiers in Chemistry</i> , 2017 , 5, 84	5	35
100	Chemical activation of nitrogen and sulfur co-doped graphene as defect-rich carbocatalyst for electrochemical water splitting. <i>Carbon</i> , 2019 , 148, 540-549	10.4	34
99	A highly sensitive nonenzymatic H ₂ O ₂ sensor based on platinum, ZnFe ₂ O ₄ functionalized reduced graphene oxide. <i>Journal of Alloys and Compounds</i> , 2018 , 738, 317-322	5.7	34
98	Exfoliated MoS ₂ with porous graphene nanosheets for enhanced electrochemical hydrogen evolution. <i>International Journal of Hydrogen Energy</i> , 2018 , 43, 13946-13952	6.7	33
97	High-performance porous graphene from synergetic nitrogen doping and physical activation for advanced nonradical oxidation. <i>Journal of Hazardous Materials</i> , 2020 , 381, 121010	12.8	33
96	Rational Design of Fe/N/S-Doped Nanoporous Carbon Catalysts from Covalent Triazine Frameworks for Efficient Oxygen Reduction. <i>ChemSusChem</i> , 2018 , 11, 2402-2409	8.3	33
95	Facile Synthesis of High-Performance Nitrogen-Doped Hierarchically Porous Carbon for Catalytic Oxidation. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 4236-4243	8.3	31
94	Microwave-assisted 1T to 2H phase reversion of MoS ₂ in solution: a fast route to processable dispersions of 2H-MoS ₂ nanosheets and nanocomposites. <i>Nanotechnology</i> , 2016 , 27, 385604	3.4	31
93	Cobalt nanoparticles embedded in N-doped carbon on carbon cloth as free-standing electrodes for electrochemically-assisted catalytic oxidation of phenol and overall water splitting. <i>Carbon</i> , 2019 , 155, 287-297	10.4	30
92	Multiple roles of a heterointerface in two-dimensional van der Waals heterostructures: insights into energy-related applications. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 23577-23603	13	30
91	VS ₂ nanosheets vertically grown on graphene as high-performance cathodes for aqueous zinc-ion batteries. <i>Journal of Power Sources</i> , 2020 , 477, 228652	8.9	30
90	3D self-supported Ni(PO)-MoO nanorods anchored on nickel foam for highly efficient overall water splitting. <i>Nanoscale</i> , 2018 , 10, 22173-22179	7.7	29
89	Preferential Growth of the Cobalt (200) Facet in Co@Ni for Enhanced Performance in a Fenton-like Reaction. <i>ACS Catalysis</i> , 2021 , 11, 5532-5543	13.1	28
88	Photothermal enhanced enzymatic activity of lipase covalently immobilized on functionalized Ti ₃ C ₂ TX nanosheets. <i>Chemical Engineering Journal</i> , 2019 , 378, 122205	14.7	26
87	2D Transition Metal Dichalcogenides and Graphene-Based Ternary Composites for Photocatalytic Hydrogen Evolution and Pollutants Degradation. <i>Nanomaterials</i> , 2017 , 7,	5.4	26
86	2D MXene-Based Materials for Electrocatalysis. <i>Transactions of Tianjin University</i> , 2020 , 26, 149-171	2.9	26
85	Nitrogen-doped graphene quantum dots decorated graphite foam as ultra-high active free-standing electrode for electrochemical hydrogen evolution and phenol degradation. <i>Chemical Engineering Science</i> , 2019 , 194, 54-57	4.4	26

84	Fine-Tuning Radical/Nonradical Pathways on Graphene by Porous Engineering and Doping Strategies. <i>ACS Catalysis</i> , 2021 , 11, 4848-4861	13.1	24
83	Fabrication of a novel ZnO@TiO ₂ /rGO nanocomposite for nonenzymatic detection of glucose and hydrogen peroxide. <i>Ceramics International</i> , 2018 , 44, 5250-5256	5.1	21
82	Near-Infrared Responsive MoS ₂ /Poly(N-isopropylacrylamide) Hydrogels for Remote Light-Controlled Microvalves. <i>Industrial & Engineering Chemistry Research</i> , 2016 , 55, 4526-4531	3.9	21
81	Bifunctional Graphene-Based Metal-Free Catalysts for Oxidative Coupling of Amines. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 31844-31850	9.5	20
80	A near-infrared light-mediated antimicrobial based on Ag/TiCT for effective synergetic antibacterial applications. <i>Nanoscale</i> , 2020 , 12, 19129-19141	7.7	20
79	Graphene supported Au-Pd-Fe ₃ O ₄ alloy trimetallic nanoparticles with peroxidase-like activities as mimic enzyme. <i>Catalysis Communications</i> , 2017 , 89, 148-151	3.2	19
78	Facile Synthesis of Atomic Fe-N-C Materials and Dual Roles Investigation of Fe-N Sites in Fenton-Like Reactions. <i>Advanced Science</i> , 2021 , 8, e2101824	13.6	19
77	Plasma-assisted synthesis of three-dimensional hierarchical NiFeOx/NiFeP electrocatalyst for highly enhanced water oxidation in alkaline media. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 26118-26127	6.7	18
76	Band-gap engineering of layered covalent organic frameworks via controllable exfoliation for enhanced visible-light-driven hydrogen evolution. <i>International Journal of Hydrogen Energy</i> , 2020 , 45, 2689-2698	6.7	18
75	Fabrication of a Cu ₂ O/g-C ₃ N ₄ /WS ₂ Triple-Layer Photocathode for Photoelectrochemical Hydrogen Evolution. <i>ChemElectroChem</i> , 2017 , 4, 1498-1502	4.3	17
74	Synthesis of Palladium, ZnFe ₂ O ₄ Functionalized Reduced Graphene Oxide Nanocomposites as H ₂ O ₂ Detector. <i>Industrial & Engineering Chemistry Research</i> , 2017 , 56, 4327-4333	3.9	17
73	Improving the performance of a titanium carbide MXene in supercapacitors by partial oxidation treatment. <i>Inorganic Chemistry Frontiers</i> , 2020 , 7, 1205-1211	6.8	17
72	CoP Nanoparticles Combined with WSe ₂ Nanosheets: An Efficient Hybrid Catalyst for Electrocatalytic Hydrogen Evolution Reaction. <i>Industrial & Engineering Chemistry Research</i> , 2018 , 57, 483-489	3.9	17
71	Increasing the heteroatoms doping percentages of graphene by porous engineering for enhanced electrocatalytic activities. <i>Journal of Colloid and Interface Science</i> , 2020 , 577, 101-108	9.3	16
70	Preparation of Cuprous Oxide Mesoporous Spheres with Different Pore Sizes for Non-Enzymatic Glucose Detection. <i>Nanomaterials</i> , 2018 , 8,	5.4	16
69	Fe containing template derived atomic Fe ^{II} to boost Fenton-like reaction and charge migration analysis on highly active Fe ^{II} sites. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 14793-14805	13	15
68	Partially Etched Ti AIC as a Promising High-Capacity Lithium-Ion Battery Anode. <i>ChemSusChem</i> , 2018 , 11, 2677-2680	8.3	15
67	Synthesis of nitrogen and sulfur doped graphene on graphite foam for electro-catalytic phenol degradation and water splitting. <i>Journal of Colloid and Interface Science</i> , 2021 , 583, 139-148	9.3	14

66	Synthesis of MoS/graphene hybrid supported Au and Ag nanoparticles with multi-functional catalytic properties. <i>Nanotechnology</i> , 2017 , 28, 205603	3.4	13
65	Preparation of ultrathin molybdenum disulfide dispersed on graphene via cobalt doping: A bifunctional catalyst for hydrogen and oxygen evolution reaction. <i>International Journal of Hydrogen Energy</i> , 2020 , 45, 9583-9591	6.7	13
64	Decorated nickel phosphide nanoparticles with nitrogen and phosphorus co-doped porous carbon for enhanced electrochemical water splitting. <i>Journal of Colloid and Interface Science</i> , 2020 , 567, 393-401	9.3	13
63	Pressure and solvent induced low-temperature synthesis of monodisperse superparamagnetic nanocrystals: The case of Fe ₃ O ₄ in alkanols. <i>Applied Surface Science</i> , 2008 , 254, 4970-4979	6.7	13
62	Chemoselective hydrodeoxygenation of palmitic acid to diesel-like hydrocarbons over Ni/MoO ₂ @Mo ₂ C ₂ T _x catalyst with extraordinary synergic effect. <i>Chemical Engineering Journal</i> , 2020 , 391, 123472	14.7	13
61	Chemically-confined mesoporous Fe ₂ O ₃ nanospheres with Ti ₃ C ₂ T _x MXene via alkali treatment for enhanced lithium storage. <i>Journal of Power Sources</i> , 2021 , 495, 229758	8.9	13
60	Two-dimensional hierarchical Mn ₂ O ₃ @graphene as a high rate and ultrastable cathode for aqueous zinc-ion batteries. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 1326-1332	7.1	13
59	A VS ₂ @N-doped carbon hybrid with strong interfacial interaction for high-performance rechargeable aqueous Zn-ion batteries. <i>Journal of Materials Chemistry C</i> ,	7.1	13
58	Synthesis of porous nitrogen doped carbon cage from carbide for catalytic oxidation. <i>Carbon</i> , 2020 , 163, 43-55	10.4	12
57	Easily Regenerated CuO/BAO for Persulfate-Based Catalytic Oxidation: Insights into the Deactivation and Regeneration Mechanism. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 2630-2641	9.5	12
56	Multilevel N-doped carbon nanotube/graphene supported cobalt phosphide nanoparticles for electrocatalytic hydrogen evolution reaction. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 30053-30061	6.7	11
55	Selective reduction of 4,4'-dinitrostilbene-2,2'-disulfonic acid catalyzed by supported nano-sized gold with sodium formate as hydrogen source. <i>Catalysis Communications</i> , 2011 , 12, 568-572	3.2	10
54	Preparation of Hollow Cobalt-Iron Phosphides Nanospheres by Controllable Atom Migration for Enhanced Water Oxidation and Splitting. <i>Small</i> , 2021 , 17, e2007858	11	10
53	Gold nanoparticles supported on layered TiO ₂ /GO hybrid as an enhanced and recyclable catalyst for microwave-assisted hydration reaction. <i>RSC Advances</i> , 2016 , 6, 76151-76157	3.7	10
52	Covalent Triazine Framework Anchored with Co ₃ O ₄ Nanoparticles for Efficient Oxygen Reduction. <i>ChemElectroChem</i> , 2018 , 5, 717-721	4.3	10
51	TiO nanorod arrays decorated with exfoliated WS nanosheets for enhanced photoelectrochemical water oxidation. <i>Journal of Colloid and Interface Science</i> , 2019 , 545, 282-288	9.3	9
50	A general strategy for in-situ fabrication of uniform carbon nanotubes on three-dimensional carbon architectures for electrochemical application. <i>Applied Surface Science</i> , 2019 , 496, 143704	6.7	9
49	Thermal removal of partial nitrogen atoms in N-doped graphene for enhanced catalytic oxidation. <i>Journal of Colloid and Interface Science</i> , 2021 , 585, 640-648	9.3	9

48	MXene derivatives: synthesis and applications in energy conversion and storage.. <i>RSC Advances</i> , 2021 , 11, 16065-16082	3.7	9
47	Bimetallic Iron/Cobalt Catalysts and Their Applications in Energy-Related Electrochemical Reactions. <i>Catalysts</i> , 2019 , 9, 762	4	8
46	Use of 4,4'-dinitrostilbene-2,2'-disulfonic acid wastewater as a raw material for paramycin production. <i>Environmental Science & Technology</i> , 2010 , 44, 9157-62	10.3	8
45	Bamboo-like nitrogen-doped carbon nanotubes on iron mesh for electrochemically-assisted catalytic oxidation. <i>Journal of Hazardous Materials</i> , 2021 , 408, 124899	12.8	8
44	N-doped hierarchical porous metal-free catalysts derived from covalent triazine frameworks for the efficient oxygen reduction reaction. <i>Catalysis Science and Technology</i> , 2019 , 9, 6606-6612	5.5	8
43	Defected graphene as effective co-catalyst of CdS for enhanced photocatalytic activities. <i>Environmental Science and Pollution Research</i> , 2020 , 27, 26810-26816	5.1	7
42	Synthesis of nearly monodisperse nanoparticles in alcohol: A pressure and solvent-induced low-temperature strategy. <i>Applied Surface Science</i> , 2009 , 255, 7021-7027	6.7	7
41	Surface Phase Engineering Modulated Iron-Nickel Nitrides/Alloy Nanospheres with Tailored d-Band Center for Efficient Oxygen Evolution Reaction. <i>Small</i> , 2021 , e2105696	11	7
40	Cobalt phosphide nanoparticles anchored on molybdenum selenide nanosheets as high-performance electrocatalysts for water reduction. <i>International Journal of Hydrogen Energy</i> , 2018 , 43, 20346-20353	6.7	7
39	Vertically aligned 1 T phase MoS ₂ nanosheet array for high-performance rechargeable aqueous Zn-ion batteries. <i>Chemical Engineering Journal</i> , 2022 , 428, 130981	14.7	7
38	Intercalated Graphite between Ni Foam and Ni ₃ S ₂ Nanocrystals for the Activity Promotion in Overall Water Splitting. <i>Energy Technology</i> , 2019 , 7, 1900063	3.5	6
37	Capillarity-induced disassembly of virions in carbon nanotubes. <i>Nanotechnology</i> , 2008 , 19, 165702	3.4	6
36	Synergistic Effect of N-Doped sp ² Carbon and Porous Structure in Graphene Gels toward Selective Oxidation of C-H Bond. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 13087-13096	9.5	6
35	Transition Metal/Metal Oxide Interface (Ni ₂ Mo ₄ O/Ni ₄ Mo) Stabilized on N-Doped Carbon Paper for Enhanced Hydrogen Evolution Reaction in Alkaline Conditions. <i>Industrial & Engineering Chemistry Research</i> , 2021 , 60, 5145-5150	3.9	6
34	Ultra-small RuP _x nanoparticles on graphene supported schiff-based networks for all pH hydrogen evolution. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 5717-5724	6.7	6
33	Photo-accelerated Co ³⁺ /Co ²⁺ transformation on cobalt and phosphorus co-doped g-C ₃ N ₄ for Fenton-like reaction. <i>Journal of Materials Chemistry A</i> ,	13	6
32	Decoration of CuO photocathode with protective TiO ₂ and active WS layers for enhanced photoelectrochemical hydrogen evolution. <i>Nanotechnology</i> , 2018 , 29, 505603	3.4	6
31	Supported nano-sized gold catalysts for selective reduction of 4,4'-dinitrostilbene-2,2'-disulfonic acid using different reductants. <i>Dyes and Pigments</i> , 2012 , 95, 215-220	4.6	5

30	A novel method for the recovery of 4,4'-dinitrostilbene-2,2'-disulfonic acid from the wastewater obtained from 4,4'-diaminostilbene-2,2'-disulfonic acid production. <i>Dyes and Pigments</i> , 2010 , 84, 218-222 ^{4.6}	5
29	Hierarchical Amorphous Carbon-Coated Co/Co ₉ S ₈ Nanoparticles on MoS ₂ toward Synergetic Electrocatalytic Water Splitting. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 23093-23098 ^{3.9}	5
28	Magnetic Au-Ag-FeO ₄ /rGO Nanocomposites as an Efficient Catalyst for the Reduction of 4-Nitrophenol. <i>Nanomaterials</i> , 2018 , 8,	5.4 5
27	Nitrogen-carbon materials base on pyrolytic graphene hydrogel for oxygen reduction. <i>Journal of Colloid and Interface Science</i> , 2021 , 602, 274-281	9.3 5
26	In situ N-doped CoS ₂ anchored on MXene toward an efficient bifunctional catalyst for enhanced lithium-sulfur batteries. <i>Chemical Engineering Journal</i> , 2022 , 427, 131792	14.7 5
25	Controllable Preparation of Ultrathin Sandwich-Like Membrane with Porous Organic Framework and Graphene Oxide for Molecular Filtration. <i>Scientific Reports</i> , 2015 , 5, 14961	4.9 4
24	Understanding of the electrochemical behaviors of aqueous zinc-manganese batteries: Reaction processes and failure mechanisms. <i>Green Energy and Environment</i> , 2021 ,	5.7 4
23	Sulfur-Rich Molybdenum Sulfide Grown on Porous N-Doped Graphene for Efficient Hydrogen Evolution. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 12862-12869	3.9 3
22	Dual-Functionalized Covalent Triazine Framework Nanosheets as Hierarchical Nonviral Vectors for Intracellular Gene Delivery. <i>ACS Applied Nano Materials</i> , 2021 , 4, 4948-4955	5.6 3
21	P-Doped MoSe ₂ /MoS ₂ Heterojunctions Anchored on N-CNTs/Carbon Cloth with Abundant Interfaces and Defects for Effective Electrocatalytic Hydrogen Evolution. <i>ACS Applied Energy Materials</i> , 2021 , 4, 2408-2418	6.1 3
20	Promotion of the performance of nitrogen-doped graphene by secondary heteroatoms doping in energy transformation and storage. <i>Ionics</i> , 2019 , 25, 3499-3522	2.7 2
19	Solubilities of Amino and Nitro Substituted Stilbene Sulfonic Acids: Investigations and Applications. <i>Journal of Chemical & Engineering Data</i> , 2011 , 56, 2700-2705	2.8 2
18	Ni modified ultrafine Mo _x C (x=1, 2) wrapped by nitrogen-doped carbon for efficient hydrogen evolution reaction in acid and alkaline electrolytes. <i>International Journal of Hydrogen Energy</i> , 2020 , 45, 28285-28293	6.7 2
17	Topochemical synthesis of low-dimensional nanomaterials. <i>Nanoscale</i> , 2020 , 12, 21971-21987	7.7 2
16	A palladium doped 1T-phase molybdenum disulfide-black phosphorene two-dimensional van der Waals heterostructure for visible-light enhanced electrocatalytic hydrogen evolution. <i>Nanoscale</i> , 2021 , 13, 5892-5900	7.7 2
15	N-doped carbon dots decorated 3D g-C ₃ N ₄ for visible-light driven peroxydisulfate activation: Insights of non-radical route induced by Na ⁺ doping. <i>Applied Catalysis B: Environmental</i> , 2022 , 310, 121304 ^{21.8}	2
14	Single-atomic iron-nitrogen 2D MOF-originated hierarchically porous carbon catalysts for enhanced oxygen reduction reaction. <i>Chemical Engineering Journal</i> , 2022 , 441, 135849	14.7 2
13	Interface Engineering to Improve the Rate Performance and Stability of the Mn-Cathode Electrode for Aqueous Zinc-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2022 , 14, 24386-24395	9.5 2

12	High-yield exfoliation of MoS ₂ (WS ₂) monolayers towards efficient photocatalytic hydrogen evolution. <i>Chemical Engineering Journal</i> , 2021 , 431, 133286	14.7	1
11	Protective Strategy to Boost the Stability of Aminated Graphene in Fenton-like Reactions. <i>Environmental Science & Technology</i> , 2021 , 55, 14828-14835	10.3	1
10	Bimetallic ZIF-Derived Co/N-Codoped Porous Carbon Supported Ruthenium Catalysts for Highly Efficient Hydrogen Evolution Reaction. <i>Nanomaterials</i> , 2021 , 11,	5.4	1
9	Facile synthesis of iron oxide supported on porous nitrogen doped carbon for catalytic oxidation. <i>Science of the Total Environment</i> , 2021 , 785, 147296	10.2	1
8	Synthesis of nitrogen and sulfur Co-doped carbon with special hollow sphere structure for enhanced catalytic oxidation. <i>Separation and Purification Technology</i> , 2022 , 278, 119522	8.3	1
7	Quasi zero-dimensional MoS ₂ quantum dots decorated 2D Ti ₃ C ₂ T _x MXene as advanced electrocatalysts for hydrogen evolution reaction. <i>International Journal of Hydrogen Energy</i> , 2022 , 47, 10583-10593	6.7	1
6	Coupling LaNiO ₃ Nanorods with FeOOH Nanosheets for Oxygen Evolution Reaction. <i>Catalysts</i> , 2022 , 12, 594	4	1
5	Surfactant-Free Synthesis of Ultrafine Pt Nanoparticles on MoS Nanosheets as Bifunctional Catalysts for the Hydrodeoxygenation of Bio-Oil. <i>Langmuir</i> , 2020 , 36, 14710-14716	4	0
4	Silicene/poly(N-isopropylacrylamide) smart hydrogels as remote light-controlled switches.. <i>Journal of Colloid and Interface Science</i> , 2022 , 621, 205-212	9.3	0
3	Synergistic activation of peroxymonosulfate between Co and MnO for bisphenol A degradation with enhanced activity and stability. <i>Journal of Colloid and Interface Science</i> , 2022 , 623, 775-786	9.3	0
2	Porous structure engineering of N-doped carbons for enhanced mass transfer towards High-Performance supercapacitors and Li-Ion batteries. <i>Journal of Colloid and Interface Science</i> , 2022 , 624, 51-59	9.3	0
1	Solubilities of Disodium-4-nitro-2-sulfo benzoate and 4-Amino-2-sulfo-benzoic Acid in Sulfuric Acid Aqueous Solutions: Investigations and Applications. <i>Journal of Chemical Engineering of Japan</i> , 2018 , 51, 16-20	0.8	