

wenchao Peng

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/3121149/wenchao-peng-publications-by-year.pdf>

Version: 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

137
papers

5,131
citations

35
h-index

68
g-index

149
ext. papers

6,435
ext. citations

8.6
avg, IF

5.99
L-index

#	Paper	IF	Citations
137	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
136	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
135	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
134	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
133	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
132	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
131	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
130	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
129	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
128	Coupling LaNiO ₃ Nanorods with FeOOH Nanosheets for Oxygen Evolution Reaction. <i>Catalysts</i> , 2022 , 12, 594	4	1
127	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
126	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
125	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
124	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
123	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
122	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
121	Synergistic Effect of N-Doped sp 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

120	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
119	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
118	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
117	Transition Metal/Metal Oxide Interface (NiMoO ₄ /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
116	Fine-Tuning Radical/Nonradical Pathways on Graphene by Porous Engineering and Doping Strategies. <i>ACS Catalysis</i> , 2021 , 11, 4848-4861	13.1	24
115	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
114	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
113	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
112	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
111	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
110	Fe containing template derived atomic Fe ⁰ to boost Fenton-like reaction and charge migration analysis on highly active Fe ²⁺ sites. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 14793-14805	13	15
109	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
108	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
107	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
106	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
105	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
104	Easily Regenerated CuO/AlO 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
103	MXene derivatives: synthesis and applications in energy conversion and storage.. <i>RSC Advances</i> , 2021 , 11, 16065-16082	3.7	9

102	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
101	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
100	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
99	Synthesis of porous nitrogen doped carbon cage from carbide for catalytic oxidation. <i>Carbon</i> , 2020 , 163, 43-55	10.4	12
98	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
97	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
96	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
95	Boosting aqueous zinc-ion storage in MoS ₂ via controllable phase. <i>Chemical Engineering Journal</i> , 2020 , 389, 124405	14.7	53
94	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
93	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
92	2D MXene-Based Materials for Electrocatalysis. <i>Transactions of Tianjin University</i> , 2020 , 26, 149-171	2.9	26
91	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
90	Chemoselective hydrodeoxygenation of palmitic acid to diesel-like hydrocarbons over Ni/MoO ₂ @Mo ₂ CT _x catalyst with extraordinary synergic effect. <i>Chemical Engineering Journal</i> , 2020 , 391, 123472	14.7	13
89	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
88	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
87	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
86	Topochemical synthesis of low-dimensional nanomaterials. <i>Nanoscale</i> , 2020 , 12, 21971-21987	7.7	2
85	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

84	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
83	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
82	Bimetallic Iron-Cobalt Catalysts and Their Applications in Energy-Related Electrochemical Reactions. <i>Catalysts</i> , 2019 , 9, 762	4	8
81	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
80	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
79	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
78	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
77	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
76	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
75	Bifunctional Graphene-Based Metal-Free Catalysts for Oxidative Coupling of Amines. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 31844-31850	9.5	20
74	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
73	Butyllithium-Treated TiCT MXene with Excellent Pseudocapacitor Performance. <i>ACS Nano</i> , 2019 , 13, 9449-9456	16.7	65
72	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
71	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
70	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
69	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
68	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
67	Plasma-assisted synthesis of three-dimensional hierarchical NiFeO _x /NiFeP electrocatalyst for highly enhanced water oxidation in alkaline media. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 26118-26127	6.7	18

66	Ultra-small RuPx 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
65	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
64	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
63	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
62	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
61	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
60	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
59	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
58	Fabrication of a novel ZnO@CoO/rGO nanocomposite for nonenzymatic detection of glucose and hydrogen peroxide. <i>Ceramics International</i> , 2018 , 44, 5250-5256	5.1	21
57	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
56	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
55	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
54	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
53	Preparation of Cuprous Oxide Mesoporous Spheres with Different Pore Sizes for Non-Enzymatic Glucose Detection. <i>Nanomaterials</i> , 2018 , 8,	5.4	16
52	TiCT nanosheets as photothermal agents for near-infrared responsive hydrogels. <i>Nanoscale</i> , 2018 , 10, 15387-15392	7.7	46
51	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
50	Covalent Triazine Framework Anchored with Co ₃ O ₄ Nanoparticles for Efficient Oxygen Reduction. <i>ChemElectroChem</i> , 2018 , 5, 717-721	4.3	10
49	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	99

48	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
47	Decoration of CuO photocathode with protective TiO and active WS layers for enhanced photoelectrochemical hydrogen evolution. <i>Nanotechnology</i> , 2018 , 29, 505603	3.4	6
46	Magnetic Au-Ag-FeO ₃ /rGO Nanocomposites as an Efficient Catalyst for the Reduction of 4-Nitrophenol. <i>Nanomaterials</i> , 2018 , 8,	5.4	5
45	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
44	Hierarchical Cobalt Borate/MXenes Hybrid with Extraordinary Electrocatalytic Performance in Oxygen Evolution Reaction. <i>ChemSusChem</i> , 2018 , 11, 3758-3765	8.3	40
43	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
42	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
41	Solubilities of Disodium-4-nitro-2-sulfobenzoate 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	
40	Partially Etched Ti AlC as a Promising High-Capacity Lithium-Ion Battery Anode. <i>ChemSusChem</i> , 2018 , 11, 2677-2680	8.3	15
39	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
38	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
37	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
36	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
35	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
34	(0D/3D) MoS ₂ on porous graphene as catalysts for enhanced electrochemical hydrogen evolution. <i>Carbon</i> , 2017 , 121, 163-169	10.4	42
33	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
32	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
31	Synthesis of MoS/graphene hybrid supported Au and Ag nanoparticles with multi-functional catalytic properties. <i>Nanotechnology</i> , 2017 , 28, 205603	3.4	13

30	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
29	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
28	Sorption Behavior of Bisphenol A and Triclosan by Graphene: Comparison with Activated Carbon. <i>ACS Omega</i> , 2017 , 2, 5378-5384	3.9	35
27	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
26	2D Transition Metal Dichalcogenides and Graphene-Based Ternary Composites for Photocatalytic Hydrogen Evolution and Pollutants Degradation. <i>Nanomaterials</i> , 2017 , 7,	5.4	26
25	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
24	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
23	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
22	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
21	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
20	Gold nanoparticles supported on layered TiO ₂ /RGO hybrid as an enhanced and recyclable catalyst for microwave-assisted hydration reaction. <i>RSC Advances</i> , 2016 , 6, 76151-76157	3.7	10
19	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
18	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
17	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
16	Advanced Graphene-Based Binder-Free Electrodes for High-Performance Energy Storage. <i>Advanced Materials</i> , 2015 , 27, 5264-79	24	130
15	Physical and chemical activation of reduced graphene oxide for enhanced adsorption and catalytic oxidation. <i>Nanoscale</i> , 2014 , 6, 766-71	7.7	129
14	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
13	Synthesis of a sulfur-graphene composite as an enhanced metal-free photocatalyst. <i>Nano Research</i> , 2013 , 6, 286-292	10	43

12	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
11	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
10	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
9	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
8	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
7	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
6	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
5	Capillarity-induced disassembly of virions in carbon nanotubes. <i>Nanotechnology</i> , 2008 , 19, 165702	3.4	6
4	Deoxygenation of Exfoliated Graphite Oxide under Alkaline Conditions: A Green Route to Graphene Preparation. <i>Advanced Materials</i> , 2008 , 20, 4490-4493	24	1517
3	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
2	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
1	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