Liuyang Zhang

List of Publications by Year
in descending order

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62	8,759	81434	145109
papers	citations	41 h-index	60 g-index

62	62	62	8625
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Sulfideâ€Based Nickelâ€Plated Fabrics for Foldable Quasiâ€Solidâ€State Supercapacitors. Energy and Environmental Materials, 2022, 5, 883-891.	7.3	19
2	EPR Investigation on Electron Transfer of 2D/3D gâ€C₃N₄/ZnO Sâ€Scheme Heterojunction for Enhanced CO₂ Photoreduction. Advanced Sustainable Systems, 2022, 6, 2100264.	2.7	112
3	Synthesis of MgNiCo LDH hollow structure derived from ZIF-67 as superb adsorbent for Congo red. Journal of Colloid and Interface Science, 2022, 612, 598-607.	5.0	83
4	Solar fuel generation over nature-inspired recyclable TiO2/g-C3N4 S-scheme hierarchical thin-film photocatalyst. Journal of Materials Science and Technology, 2022, 112, 1-10.	5.6	101
5	Emerging Sâ€Scheme Photocatalyst. Advanced Materials, 2022, 34, e2107668.	11.1	717
6	Sandwichâ€Shell Structured CoMn₂O₄/C Hollow Nanospheres for Performanceâ€Enhanced Sodiumâ€Ion Hybrid Supercapacitor. Advanced Energy Materials, 2022, 12, .	10.2	101
7	Nanoâ€Sized Niobium Tungsten Oxide Anode for Advanced Fastâ€Charge Lithiumâ€Ion Batteries. Small, 2022, 18, e2107365.	5.2	26
8	Nickelâ€cobalt selenide@N-doped carbon towards high-performance anode materials for sodium-ion batteries. Journal of Energy Storage, 2022, 51, 104522.	3.9	19
9	A Comparative Study of Cobalt Chalcogenides as the Electrode Materials on Lithiumâ€Sulfur Battery Performance. Small Methods, 2022, 6, e2101269.	4.6	14
10	ZnO/COF S-scheme heterojunction for improved photocatalytic H2O2 production performance. Chemical Engineering Journal, 2022, 444, 136584.	6.6	94
11	S-Scheme 2D/2D Bi2MoO6/BiOI van der Waals heterojunction for CO2 photoreduction. Chinese Journal of Catalysis, 2022, 43, 1657-1666.	6.9	75
12	Graphene oxide-based modified electrodes for high-performance supercapacitors. , 2022, , 239-266.		0
13	H2O molecule adsorption on s-triazine-based g-C3N4. Chinese Journal of Catalysis, 2021, 42, 115-122.	6.9	42
14	Synthesis of reduced graphene oxide supported nickel-cobalt-layered double hydroxide nanosheets for supercapacitors. Journal of Colloid and Interface Science, 2021, 588, 637-645.	5.0	156
15	Design of highly-active photocatalytic materials for solar fuel production. Chemical Engineering Journal, 2021, 421, 127732.	6.6	27
16	Significant capacitance enhancement induced by cyclic voltammetry in pine needle-like Ni-Co-Cu multicomponent electrode. Journal of Materials Science and Technology, 2021, 78, 100-109.	5.6	13
17	Hollow CdS-based photocatalysts. Journal of Materiomics, 2021, 7, 419-439.	2.8	72
18	Triethylamine gas sensor based on Pt-functionalized hierarchical ZnO microspheres. Sensors and Actuators B: Chemical, 2021, 331, 129425.	4.0	174

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19	In-situ growth of few-layer graphene on ZnO with intimate interfacial contact for enhanced photocatalytic CO2 reduction activity. Chemical Engineering Journal, 2021, 411, 128501.	6.6	99
20	0D/2D NiS/CdS nanocomposite heterojunction photocatalyst with enhanced photocatalytic H2 evolution activity. Applied Surface Science, 2021, 554, 149622.	3.1	48
21	Sustained CO2-photoreduction activity and high selectivity over Mn, C-codoped ZnO core-triple shell hollow spheres. Nature Communications, 2021, 12, 4936.	5.8	159
22	Single-atom heterogeneous photocatalysts. Chem Catalysis, 2021, 1, 1173-1214.	2.9	59
23	Coreâ€“Shell Structured C@SiO₂ Hollow Spheres Decorated with Nickel Nanoparticles as Anode Materials for Lithiumâ€Ion Batteries. Small, 2021, 17, e2103673.	5.2	43
24	ZIF-67 derived nickel cobalt sulfide hollow cages for high-performance supercapacitors. Applied Surface Science, 2020, 504, 144501.	3.1	107
25	Holey Graphene for Electrochemical Energy Storage. Cell Reports Physical Science, 2020, 1, 100215.	2.8	58
26	CdS nanosheets decorated with Ni@graphene core-shell cocatalyst for superior photocatalytic H2 production. Journal of Materials Science and Technology, 2020, 56, 170-178.	5.6	92
27	Construction of nickel cobalt sulfide nanosheet arrays on carbon cloth for performance-enhanced supercapacitor. Journal of Materials Science and Technology, 2020, 47, 113-121.	5.6	160
28	Surface modification of g-C3N4: first-principles study. Interface Science and Technology, 2020, 31, 509-539.	1.6	2
29	Plasmon-induced interfacial charge-transfer transition prompts enhanced CO2 photoreduction over Cu/Cu2O octahedrons. Chemical Engineering Journal, 2020, 397, 125390.	6.6	65
30	Review on DFT calculation of sâ€triazineâ€based carbon nitride. , 2019, 1, 32-56.		193
31	In Situ Grown Monolayer Nâ€Doped Graphene on CdS Hollow Spheres with Seamless Contact for Photocatalytic CO₂ Reduction. Advanced Materials, 2019, 31, e1902868.	11.1	515
32	Hierarchical porous Ni/Co-LDH hollow dodecahedron with excellent adsorption property for Congo red and Cr(VI) ions. Applied Surface Science, 2019, 478, 981-990.	3.1	204
33	Rationally designed hierarchical NiCo2O4â€“C@Ni(OH)2 core-shell nanofibers for high performance supercapacitors. Carbon, 2019, 152, 652-660.	5.4	83
34	Dual Cocatalysts in TiO₂ Photocatalysis. Advanced Materials, 2019, 31, e1807660.	11.1	796
35	Enhanced efficiency of perovskite solar cells by PbS quantum dot modification. Applied Surface Science, 2019, 487, 32-40.	3.1	37
36	NiCo₂S₄ Nanotubes Anchored 3D Nitrogen-Doped Graphene Framework as Electrode Material with Enhanced Performance for Asymmetric Supercapacitors. ACS Sustainable Chemistry and Engineering, 2019, 7, 11157-11165.	3.2	73

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37	0D/2D (Fe0.5Ni0.5)S2/rGO nanocomposite with enhanced supercapacitor and lithium ion battery performance. Journal of Power Sources, 2019, 426, 266-274.	4.0	54
38	Hollow Carbon Spheres and Their Hybrid Nanomaterials in Electrochemical Energy Storage. Advanced Energy Materials, 2019, 9, 1803900.	10.2	220
39	N-doped graphene framework supported nickel cobalt oxide as supercapacitor electrode with enhanced performance. Applied Surface Science, 2019, 484, 135-143.	3.1	43
40	Quenching induced hierarchical 3D porous g-C₃N₄ with enhanced photocatalytic CO₂ reduction activity. Chemical Communications, 2019, 55, 14023-14026.	2.2	83
41	Nickel-based materials for supercapacitors. Materials Today, 2019, 25, 35-65.	8.3	247
42	Binary Solvent Engineering for High-Performance Two-Dimensional Perovskite Solar Cells. ACS Sustainable Chemistry and Engineering, 2019, 7, 3487-3495.	3.2	90
43	Self-assembled hierarchical direct Z-scheme g-C3N4/ZnO microspheres with enhanced photocatalytic CO2 reduction performance. Applied Surface Science, 2018, 441, 12-22.	3.1	364
44	Coreâ€“Shell Nitrogenâ€Doped Carbon Hollow Spheres/Co₃O₄ Nanosheets as Advanced Electrode for Highâ€Performance Supercapacitor. Small, 2018, 14, e1702407.	5.2	309
45	Highly Stable, New, Organicâ€Inorganic Perovskite (CH₃NH₃)₂PdBr₄: Synthesis, Structure, and Physical Properties. Chemistry - A European Journal, 2018, 24, 4991-4998.	1.7	25
46	Fabrication of a hierarchical NiO/C hollow sphere composite and its enhanced supercapacitor performance. Chemical Communications, 2018, 54, 3731-3734.	2.2	140
47	First-principle calculation study of tri-s-triazine-based g-C3N4: A review. Applied Catalysis B: Environmental, 2018, 224, 983-999.	10.8	382
48	Direct Z-scheme photocatalysts: Principles, synthesis, and applications. Materials Today, 2018, 21, 1042-1063.	8.3	1,134
49	Direct Z-scheme PDA-modified ZnO hierarchical microspheres with enhanced photocatalytic CO2 reduction performance. Applied Surface Science, 2018, 457, 1096-1102.	3.1	67
50	Ultrathin CdS nanosheets with tunable thickness and efficient photocatalytic hydrogen generation. Applied Surface Science, 2018, 462, 606-614.	3.1	112
51	First-principle investigation on charge carrier transfer in transition-metal single atoms loaded g-C3N4. Applied Surface Science, 2018, 459, 385-392.	3.1	43
52	Enhanced Performance of Planar Perovskite Solar Cell by Graphene Quantum Dot Modification. ACS Sustainable Chemistry and Engineering, 2018, 6, 8631-8640.	3.2	76
53	Direct Z-scheme TiO2/CdS hierarchical photocatalyst for enhanced photocatalytic H2-production activity. Applied Surface Science, 2017, 422, 518-527.	3.1	397
54	Remarkable improvement in supercapacitor performance by sulfur introduction during a one-step synthesis of nickel hydroxide. Physical Chemistry Chemical Physics, 2017, 19, 10462-10469.	1.3	20

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55	Unravelling the correlation between nickel to copper ratio of binary oxides and their superior supercapacitor performance. Electrochimica Acta, 2017, 234, 82-92.	2.6	31
56	Adsorption investigation of CO2 on g-C3N4 surface by DFT calculation. Journal of CO2 Utilization, 2017, 21, 327-335.	3.3	134
57	Light enhanced energy storage ability through a hybrid plasmonic Ag nanowire decorated hydroxide â€œskin structureâ€. Nanoscale, 2017, 9, 18430-18437.	2.8	9
58	Chemical insights into the roles of nanowire cores on the growth and supercapacitor performances of Ni-Co-O/Ni(OH)2 core/shell electrodes. Scientific Reports, 2016, 6, 21566.	1.6	24
59	A cheap and non-destructive approach to increase coverage/loading of hydrophilic hydroxide on hydrophobic carbon for lightweight and high-performance supercapacitors. Scientific Reports, 2016, 5, 18108.	1.6	29
60	Improvement in flexibility and volumetric performance for supercapacitor application and the effect of Niâ€“Fe ratio on electrode behaviour. Journal of Materials Chemistry A, 2015, 3, 7607-7615.	5.2	32
61	Substrate-assisted self-organization of Niâ€“Cu spherical double hydroxide (SDH) and its excellent pseudo-capacitive performance. Journal of Materials Chemistry A, 2014, 2, 4660.	5.2	18
62	Temperature effect on the binder-free nickel copper oxide nanowires with superior supercapacitor performance. Nanoscale, 2014, 6, 12981-12989.	2.8	38