Hu Liu

List of Publications by Year
in descending order

68 papers	4,992 citations	71061 41 h-index	95218 68 g-index
69 all docs	69 docs citations	69 times ranked	5023 citing authors

#	Article	IF	Citations
1	Room-temperature solid phase surface engineering of BiOI sheets stacking g-C3N4 boosts photocatalytic reduction of Cr(VI). Green Energy and Environment, 2022, 7, 66-74.	4.7	53
2	Room-temperature hydrogen spillover achieving stoichiometric hydrogenation of NO3â^' and NO2â^' into N2 over CuPd nanowire network. Rare Metals, 2022, 41, 851-858.	3.6	23
3	Bi-doped graphitic carbon nitride nanotubes boost the photocatalytic degradation of Rhodamine B. New Journal of Chemistry, 2022, 46, 3588-3594.	1.4	20
4	Eu‹sup›2+‹/sup›â€Doped Layered Double Borate Phosphor with Ultrawide Nearâ€Infrared Spectral Distribution in Response to Ultravioletâ€"Blue Light Excitation. Advanced Optical Materials, 2022, 10, 2102204.	3.6	61
5	Enhanced electromagnetic wave absorption of engineered epoxy nanocomposites with the assistance of polyaniline fillers. Advanced Composites and Hybrid Materials, 2022, 5, 1769-1777.	9.9	78
6	Facile preparation of a cellulose derived carbon/BN composite aerogel for superior electromagnetic wave absorption. Journal of Materials Chemistry C, 2022, 10, 5311-5320.	2.7	20
7	Single-organic component g-C3.6N4 achieves superior photoactivity antibacterial. Chemical Engineering Journal, 2022, 440, 135873.	6.6	8
8	Hierarchical HCF@NC/Co Derived from Hollow Loofah Fiber Anchored with Metalâ€"Organic Frameworks for Highly Efficient Microwave Absorption. ACS Applied Materials & Interfaces, 2022, 14, 2038-2050.	4.0	44
9	Impedance response behavior and mechanism study of axon-like ionic conductive cellulose-based hydrogel strain sensor. Advanced Composites and Hybrid Materials, 2022, 5, 1812-1820.	9.9	50
10	Shortâ€Range Diffusion Enables General Synthesis of Mediumâ€Entropy Alloy Aerogels. Advanced Materials, 2022, 34, .	11.1	74
11	Tunable negative dielectric properties of magnetic CoFe2O4/graphite-polypyrrole metacomposites. Advanced Composites and Hybrid Materials, 2022, 5, 899-906.	9.9	58
12	Engineering hierarchical heterostructure material based on metal-organic frameworks and cotton fiber for high-efficient microwave absorber. Nano Research, 2022, 15, 6841-6850.	5.8	59
13	Conductive polyaniline hydrogel enhanced methane production from anaerobic wastewater treatment. Journal of Colloid and Interface Science, 2021, 581, 314-322.	5.0	31
14	Solvent-free nanoalumina loaded nanocellulose aerogel for efficient oil and organic solvent adsorption. Journal of Colloid and Interface Science, 2021, 581, 299-306.	5.0	56
15	Nitrogen-rich g-C3N4@AgPd Mott-Schottky heterojunction boosts photocatalytic hydrogen production from water and tandem reduction of NO3â^' and NO2â^'. Journal of Colloid and Interface Science, 2021, 581, 619-626.	5.0	58
16	Linking melem with conjugated Schiff-base bonds to boost photocatalytic efficiency of carbon nitride for overall water splitting. Nanoscale, 2021, 13, 9315-9321.	2.8	17
17	Schiff-base-rich g-CxN4 supported PdAg nanowires as an efficient Mottâ€"Schottky catalyst boosting photocatalytic dehydrogenation of formic acid. Rare Metals, 2021, 40, 808-816.	3.6	77
18	A resilient and lightweight bacterial cellulose-derived C/rGO aerogel-based electromagnetic wave absorber integrated with multiple functions. Journal of Materials Chemistry A, 2021, 9, 5566-5577.	5.2	62

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19	Tunable magnetoresistance of core-shell structured polyaniline nanocomposites with 0-, 1-, and 2-dimensional nanocarbons. Advanced Composites and Hybrid Materials, 2021, 4, 51-64.	9.9	87
20	Wearable Strain Sensors Based on a Porous Polydimethylsiloxane Hybrid with Carbon Nanotubes and Graphene. ACS Applied Materials & Interfaces, 2021, 13, 15572-15583.	4.0	118
21	Enhanced dielectric properties of high glass transition temperature PDCPD/CNT composites by frontal ring-opening metathesis polymerization. Advanced Composites and Hybrid Materials, 2021, 4, 639-646.	9.9	25
22	Electrostatic self-assembled NiFe2O4/Ti3C2Tx MXene nanocomposites for efficient electromagnetic wave absorption at ultralow loading level. Advanced Composites and Hybrid Materials, 2021, 4, 602-613.	9.9	97
23	Tunable sulfur vacancies and hetero-interfaces of FeS2-based composites for high-efficiency electromagnetic wave absorption. Journal of Colloid and Interface Science, 2021, 591, 148-160.	5.0	62
24	Structure and magnetic properties of the porous Al-substituted barium hexaferrites. Journal of Magnetism and Magnetic Materials, 2021, 528, 167824.	1.0	34
25	Regulating pH value synthesis of NiCo2O4 with excellent electromagnetic wave absorbing performance. Journal of Materials Science: Materials in Electronics, 2021, 32, 26059-26073.	1.1	9
26	Flexible Conductive Polyimide Fiber/MXene Composite Film for Electromagnetic Interference Shielding and Joule Heating with Excellent Harsh Environment Tolerance. ACS Applied Materials & Interfaces, 2021, 13, 50368-50380.	4.0	85
27	Self-Assembled Bipolar Metals with Hollow Carbon Spheres for High-Performance Liâ€“S Battery Cathodes. ACS Applied Energy Materials, 2021, 4, 12745-12753.	2.5	9
28	FeCo alloy nanoparticle decorated cellulose based carbon aerogel as a low-cost and efficient electromagnetic microwave absorber. Journal of Materials Chemistry C, 2021, 10, 126-134.	2.7	30
29	Atomically Dispersed Cu Catalyst for Efficient Chemoselective Hydrogenation Reaction. Nano Letters, 2021, 21, 10284-10291.	4.5	85
30	The Properties and Preparation Methods of Different Boron Nitride Nanostructures and Applications of Related Nanocomposites. Chemical Record, 2020, 20, 1314-1337.	2.9	32
31	Flexible conductive MXene/cellulose nanocrystal coated nonwoven fabrics for tunable wearable strain/pressure sensors. Journal of Materials Chemistry A, 2020, 8, 21131-21141.	5.2	176
32	One-pot In Situ Microwave Hydrothermally Grown Zeolitic Imidazolate Framework-8 on ZnIn-Layered Double Oxides toward Enhanced Methylene Blue Photodegradation. Industrial & Engineering Chemistry Research, 2020, 59, 16637-16648.	1.8	11
33	Hyperelastic magnetic reduced graphene oxide three-dimensional framework with superb oil and organic solvent adsorption capability. Advanced Composites and Hybrid Materials, 2020, 3, 473-484.	9.9	85
34	Thermally Conductive Anticorrosive Epoxy Nanocomposites with Tannic Acid-Modified Boron Nitride Nanosheets. Industrial & Engineering Chemistry Research, 2020, 59, 20371-20381.	1.8	51
35	Amino-functionalized graphene oxide-supported networked Pdâ€“Ag nanowires as highly efficient catalyst for reducing Cr(VI) in industrial effluent by formic acid. Chemosphere, 2020, 257, 127245.	4.2	38
36	Achieving enhanced electromagnetic shielding and absorption capacity of cellulose-derived carbon aerogels via tuning the carbonization temperature. Journal of Materials Chemistry C, 2020, 8, 5191-5201.	2.7	51

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37	Biodegradable poly(lactic acid) nanocomposites reinforced and toughened by carbon nanotubes/clay hybrids. International Journal of Biological Macromolecules, 2020, 151, 628-634.	3.6	66
38	Laccase immobilized polyaniline/magnetic graphene composite electrode for detecting hydroquinone. International Journal of Biological Macromolecules, 2020, 149, 1130-1138.	3.6	106
39	Stabilizing Hard Magnetic SmCo₅ Nanoparticles by N-Doped Graphitic Carbon Layer. Journal of the American Chemical Society, 2020, 142, 8440-8446.	6.6	37
40	Interfacial Engineering for High-Efficiency Nanorod Array-Structured Perovskite Solar Cells. ACS Applied Materials & Interfaces, 2019, 11, 33770-33780.	4.0	47
41	Highly Compressible and Robust Polyimide/Carbon Nanotube Composite Aerogel for High-Performance Wearable Pressure Sensor. ACS Applied Materials & Interfaces, 2019, 11, 42594-42606.	4.0	255
42	Cu₃N Nanocubes for Selective Electrochemical Reduction of CO₂ to Ethylene. Nano Letters, 2019, 19, 8658-8663.	4.5	173
43	Magnetically recyclable Sm2Co17/Cu catalyst to chemoselectively reduce the 3-nitrostyrene into 3-vinylaniline under room temperature. Nano Research, 2019, 12, 3085-3088.	5.8	20
44	Alternating Multilayer Structural Epoxy Composite Coating for Corrosion Protection of Steel. Macromolecular Materials and Engineering, 2019, 304, 1900374.	1.7	71
45	Solvent-free graphene liquids: Promising candidates for lubricants without the base oil. Journal of Colloid and Interface Science, 2019, 542, 159-167.	5.0	98
46	Tunable negative permittivity and magnetic performance of yttrium iron garnet/polypyrrole metacomposites at the RF frequency. Journal of Materials Chemistry C, 2019, 7, 3160-3167.	2.7	82
47	Photocatalytic dehydrogenation of formic acid promoted by a superior PdAg@g-C₃N₄ Mottâ€“Schottky heterojunction. Journal of Materials Chemistry A, 2019, 7, 2022-2026.	5.2	116
48	Superhydrophobic Electrically Conductive Paper for Ultrasensitive Strain Sensor with Excellent Anticorrosion and Self-Cleaning Property. ACS Applied Materials & Interfaces, 2019, 11, 21904-21914.	4.0	228
49	Synergistically Toughening Polyoxymethylene by Methyl Methacrylateâ€“Butadieneâ€“Styrene Copolymer and Thermoplastic Polyurethane. Macromolecular Chemistry and Physics, 2019, 220, 1800567.	1.1	67
50	Flexible Sandwich Structural Strain Sensor Based on Silver Nanowires Decorated with Selfâ€Healing Substrate. Macromolecular Materials and Engineering, 2019, 304, 1900074.	1.7	187
51	Ultrasensitive and Highly Compressible Piezoresistive Sensor Based on Polyurethane Sponge Coated with a Cracked Cellulose Nanofibril/Silver Nanowire Layer. ACS Applied Materials & Interfaces, 2019, 11, 10922-10932.	4.0	331
52	Chemical Synthesis of Magnetically Hard and Strong Rare Earth Metal Based Nanomagnets. Angewandte Chemie - International Edition, 2019, 58, 602-606.	7.2	42
53	Chemical Synthesis of Magnetically Hard and Strong Rare Earth Metal Based Nanomagnets. Angewandte Chemie, 2019, 131, 612-616.	1.6	9
54	Super light 3D hierarchical nanocellulose aerogel foam with superior oil adsorption. Journal of Colloid and Interface Science, 2019, 536, 245-251.	5.0	175

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55	Tunable temperature-resistivity behaviors of carbon black/polyamide 6 /high-density polyethylene composites with conductive electrospun PA6 fibrous network. Journal of Composite Materials, 2019, 53, 1897-1906.	1.2	8
56	Bifunctional networked Ag/AgPd core/shell nanowires for the highly efficient dehydrogenation of formic acid and subsequent reduction of nitrate and nitrite in water. Journal of Materials Chemistry A, 2018, 6, 4611-4616.	5.2	35
57	Enhanced electron transfer and light absorption on imino polymer capped PdAg nanowire networks for efficient room-temperature dehydrogenation of formic acid. Journal of Materials Chemistry A, 2018, 6, 1979-1984.	5.2	43
58	One-pot formic acid dehydrogenation and synthesis of benzene-fused heterocycles over reusable AgPd/WO_{2.72} nanocatalyst. Journal of Materials Chemistry A, 2018, 6, 23766-23772.	5.2	29
59	Electrically conductive polymer composites for smart flexible strain sensors: a critical review. Journal of Materials Chemistry C, 2018, 6, 12121-12141.	2.7	522
60	Room-Temperature Chemoselective Reduction of 3-Nitrostyrene to 3-Vinylaniline by Ammonia Borane over Cu Nanoparticles. Journal of the American Chemical Society, 2018, 140, 16460-16463.	6.6	73
61	Activating the MoS₂ Basal Plane by Controllable Fabrication of Pores for an Enhanced Hydrogen Evolution Reaction. Chemistry - A European Journal, 2018, 24, 19075-19080.	1.7	17
62	Porous Polyethylene Bundles with Enhanced Hydrophobicity and Pumping Oil-Recovery Ability via Skin-Peeling. ACS Sustainable Chemistry and Engineering, 2018, 6, 12580-12585.	3.2	109
63	Surface Pd-rich PdAg nanowires as highly efficient catalysts for dehydrogenation of formic acid and subsequent hydrogenation of adiponitrile. Journal of Materials Chemistry A, 2018, 6, 17323-17328.	5.2	41
64	Size regulation and prediction of the SiO₂ nanoparticles prepared via StÃ¶ber process. Journal of Dispersion Science and Technology, 2017, 38, 70-74.	1.3	19
65	High-density defects on PdAg nanowire networks as catalytic hot spots for efficient dehydrogenation of formic acid and reduction of nitrate. Nanoscale, 2017, 9, 9305-9309.	2.8	38
66	Fluorescence modulation of a pyrazolone dye in the solid state based on energy transfer. New Journal of Chemistry, 2015, 39, 9866-9871.	1.4	2
67	Modulation of a solid-state reversible fluorescent photoswitching based on a controllable photochromic pyrazolones. Journal of Solid State Chemistry, 2014, 216, 73-78.	1.4	10
68	A simple approach to porous low-temperature-sintering BaTiO3. Science China Chemistry, 2012, 55, 1765-1769.	4.2	2