

Xue-Zhi Song

List of Publications by Year in descending order

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73
papers

3,788
citations

186265

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123424

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75
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75
docs citations

75
times ranked

4322
citing authors

#	ARTICLE	IF	CITATIONS
1	LnFeO ₃ (Ln La, Nd, Sm) derived from bimetallic organic frameworks for gas sensor. Journal of Alloys and Compounds, 2022, 902, 163803.	5.5	23
2	Defect and interface engineering in metal sulfide catalysts for the electrocatalytic nitrogen reduction reaction: a review. Journal of Materials Chemistry A, 2022, 10, 6927-6949.	10.3	39
3	CeO ₂ -modulated CoP derived from prussian blue analogue boosting hydrogen evolution reaction electrocatalysis. Journal of Alloys and Compounds, 2022, 913, 165334.	5.5	11
4	Boosting the oxygen evolution electrocatalysis of high-entropy hydroxides by high-valence nickel species regulation. Chemical Communications, 2022, 58, 7682-7685.	4.1	20
5	Boosting Hydrogen Evolution Electrocatalysis via Regulating the Electronic Structure in a Crystallineâ€‘Amorphous CoP/CeO ₂ â€‘n Heterojunction. ACS Applied Materials & Interfaces, 2022, 14, 33151-33160.	8.0	41
6	Effect of ROS generation on highly dispersed 4-layer O-Ti ₂ O ₃ nanosheets toward tumor synergistic therapy. Materials Science and Engineering C, 2021, 120, 111666.	7.3	3
7	Double-shelled carbon nanocages grafted with carbon nanotubes embedding Co nanoparticles for enhanced hydrogen evolution electrocatalysis. Chemical Communications, 2021, 57, 3022-3025.	4.1	16
8	Recent Advances of CeO ₂ -Based Electrocatalysts for Oxygen and Hydrogen Evolution as well as Nitrogen Reduction. ChemElectroChem, 2021, 8, 996-1020.	3.4	45
9	Preparation of 2D ultrathin titanium dioxide nanosheets with enhanced visibleâ€‘light photocatalytic activity. Micro and Nano Letters, 2021, 16, 313-318.	1.3	2
10	Spontaneously engineering heterogeneous interface of silver nanoparticles on Î±-Co(OH) ₂ for boosting electrochemical oxygen evolution. Journal of Alloys and Compounds, 2021, 873, 159766.	5.5	19
11	Interface Engineering in CoP/CePO ₄ Derived from a Prussian Blue Analogue as a Highly Efficient Electrocatalyst for Alkaline Hydrogen Evolution Reaction. ChemElectroChem, 2021, 8, 3762-3766.	3.4	5
12	In Situ Growth and Electrochemical Activation of Copper-Based Nickelâ€‘Cobalt Hydroxide for High-Performance Energy Storage Devices. ACS Applied Energy Materials, 2021, 4, 9460-9469.	5.1	2
13	Prussian Blue Analogs and Their Derived Nanomaterials for Electrochemical Energy Storage and Electrocatalysis. Small Methods, 2021, 5, e2001000.	8.6	81
14	Surface Structure Engineering of Nanosheet-Assembled NiFe ₂ O ₄ Fluffy Flowers for Gas Sensing. Nanomaterials, 2021, 11, 297.	4.1	3
15	Interface engineering in the Î±-Co(OH) ₂ /ZIF-67 heterostructure for enhanced oxygen evolution electrocatalysis. New Journal of Chemistry, 2021, 45, 10199-10203.	2.8	4
16	Hierarchical MoO ₄ ²⁻ Intercalating Î±-Co(OH) ₂ Nanosheet Assemblies: Green Synthesis and Ultrafast Reconstruction for Boosting Electrochemical Oxygen Evolution. Energy & Fuels, 2021, 35, 2775-2784.	5.1	13
17	Interface Engineering and Phase Regulation in CoP/CePO ₄ Heterostructures for Boosting Oxygen Evolution Electrocatalysis. Energy & Fuels, 2021, 35, 16760-16767.	5.1	11
18	Hollow CoP Encapsulated in an N-Doped Carbon Nanocage as an Efficient Bifunctional Electrocatalyst for Overall Water Splitting. ACS Applied Nano Materials, 2021, 4, 13450-13458.	5.0	20

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19	An Fe-MIL100 Based Drug Delivery System for pH and Glutathione Dual-Responsive Drug Release. ChemistrySelect, 2021, 6, 12295-12299.	1.5	1
20	Hierarchical particle-on-sheet CoP fabricated by direct phosphorization of Co(OH)2/ZIF-67 hybrid for boosting hydrogen evolution electrocatalysis. Inorganic Chemistry Communication, 2021, 134, 109058.	3.9	5
21	Ammonium Salts: New Synergistic Additive for Chemical Vapor Deposition Growth of MoS ₂ . Journal of Physical Chemistry Letters, 2021, 12, 12384-12390.	4.6	7
22	Annealing temperature-dependent porous ZnFe2O4 olives derived from bimetallic organic frameworks for high-performance ethanol gas sensing. Materials Chemistry and Physics, 2020, 241, 122379.	4.0	21
23	High-Quality Inorganic Chemistry Teaching During COVID-19. Journal of Chemical Education, 2020, 97, 2945-2949.	2.3	7
24	SiO2-coated magnetic nano-Fe3O4 photosensitizer for synergistic tumour-targeted chemo-photothermal therapy. Colloids and Surfaces B: Biointerfaces, 2020, 195, 111274.	5.0	24
25	Heterostructural Co/CeO2/Co2P/CoP@NC dodecahedrons derived from CeO2-inserted zeolitic imidazolate framework-67 as efficient bifunctional electrocatalysts for overall water splitting. International Journal of Hydrogen Energy, 2020, 45, 30559-30570.	7.1	28
26	Soft X-ray-Enhanced Reactive Oxygen Species Generation in Mesoporous Titanium Peroxide and the Application in Tumor Synergistic Therapy. ACS Applied Bio Materials, 2020, 3, 7408-7417.	4.6	1
27	Hierarchical CuO@ZnCo(OH) core-shell heterostructure on copper foam as three-dimensional binder-free electrodes for high performance asymmetric supercapacitors. Journal of Power Sources, 2020, 465, 228239.	7.8	40
28	Synthesis of hollow donut-like carbon nitride for the visible light-driven highly efficient photocatalytic production of hydrogen and degradation of pollutants. New Journal of Chemistry, 2020, 44, 12247-12255.	2.8	4
29	Direct Growth of Continuous and Uniform MoS ₂ Film on SiO ₂ /Si Substrate Catalyzed by Sodium Sulfate. Journal of Physical Chemistry Letters, 2020, 11, 1570-1577.	4.6	15
30	Synthesis of surfactant-modified ZIF-8 with controllable microstructures and their drug loading and sustained release behaviour. IET Nanobiotechnology, 2020, 14, 595-601.	3.8	12
31	In situ formation of defect-engineered N-doped TiO ₂ porous mesocrystals for enhanced photo-degradation and PEC performance. Nanoscale Advances, 2019, 1, 1372-1379.	4.6	25
32	Hollow core-shell NiCo ₂ S ₄ @MoS ₂ dodecahedrons with enhanced performance for supercapacitors and hydrogen evolution reaction. New Journal of Chemistry, 2019, 43, 3601-3608.	2.8	70
33	The TiO2 topotactic transformation assisted trapping of an atomically dispersed Pt catalyst for low temperature CO oxidation. RSC Advances, 2019, 9, 16774-16778.	3.6	2
34	Titanium Dioxide: From Engineering to Applications. Catalysts, 2019, 9, 191.	3.5	277
35	Triple-shelled CuO/CeO ₂ hollow nanospheres derived from metal-organic frameworks as highly efficient catalysts for CO oxidation. New Journal of Chemistry, 2019, 43, 16096-16102.	2.8	11
36	Hollow NiFe ₂ O ₄ microspindles derived from Ni/Fe bimetallic MOFs for highly sensitive acetone sensing at low operating temperatures. Inorganic Chemistry Frontiers, 2018, 5, 1107-1114.	6.0	55

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37	Defect-engineered TiO ₂ Hollow Spiny Nanocubes for Phenol Degradation under Visible Light Irradiation. Scientific Reports, 2018, 8, 5904.	3.3	28
38	Carbon coated nickel-cobalt bimetallic sulfides hollow dodecahedrons for a supercapacitor with enhanced electrochemical performance. New Journal of Chemistry, 2018, 42, 5128-5134.	2.8	38
39	Prussian Blue analogue derived porous NiFe ₂ O ₄ nanocubes for low-concentration acetone sensing at low working temperature. Chemical Engineering Journal, 2018, 338, 504-512.	12.7	116
40	Triple-shelled ZnO/ZnFe ₂ O ₄ heterojunctional hollow microspheres derived from Prussian Blue analogue as high-performance acetone sensors. Sensors and Actuators B: Chemical, 2018, 256, 374-382.	7.8	96
41	A facile photoassisted route to synthesis N, F-codoped oxygen-deficient TiO ₂ with enhanced photocatalytic performance under visible light irradiation. Applied Surface Science, 2018, 434, 725-734.	6.1	23
42	Porous Javelin-Like NiFe ₂ O ₄ Nanorods as n-Propanol Sensor with Ultrahigh Performance. ChemistrySelect, 2018, 3, 12871-12877.	1.5	19
43	Enhancing the Fe ³⁺ Sensing Sensitivity by Energy Transfer and Phase Transformation in a Bimetallic Lanthanide Metal-Organic Framework. ChemistrySelect, 2018, 3, 9564-9570.	1.5	11
44	One-pot synthesis of oleic acid modified monodispersed mesoporous TiO ₂ nanospheres with enhanced visible light photocatalytic performance. Advanced Powder Technology, 2018, 29, 1925-1932.	4.1	14
45	Hollow NiFe ₂ O ₄ hexagonal biyramids for high-performance n-propanol sensing at low temperature. New Journal of Chemistry, 2018, 42, 14071-14074.	2.8	25
46	Seamless Interfacial Formation by Solution-Processed Amorphous Hydroxide Semiconductor for Highly Efficient Electron Transport. ACS Applied Energy Materials, 2018, 1, 4564-4571.	5.1	16
47	Dual-stimuli-responsive TiO _x /DOX nanodrug system for lung cancer synergistic therapy. RSC Advances, 2018, 8, 21975-21984.	3.6	21
48	A three dimensional N-doped graphene/CNTs/AC hybrid material for high-performance supercapacitors. RSC Advances, 2017, 7, 6664-6670.	3.6	9
49	Highly efficient heterogeneous catalytic materials derived from metal-organic framework supports/precursors. Coordination Chemistry Reviews, 2017, 337, 80-96.	18.8	282
50	Assembling hierarchical metal-oxygen building units with a semirigid tetracarboxylate ligand into a three-dimensional framework for nitrobenzene sensing. Dalton Transactions, 2017, 46, 6523-6527.	3.3	3
51	Concave ZnFe ₂ O ₄ Hollow Octahedral Nanocages Derived from Fe-Doped MOF-5 for High-Performance Acetone Sensing at Low-Energy Consumption. Inorganic Chemistry, 2017, 56, 13646-13650.	4.0	46
52	Solution Effect on Synthesis of Polyaniline/rGO Composite for High-Performance Supercapacitor. Nano, 2017, 12, 1750088.	1.0	4
53	A theoretical insight into CO ₂ sensing performance on the orthorhombic LaMnO ₃ (0 1 0) surface. Chemical Physics Letters, 2017, 687, 138-142.	2.6	8
54	A Metal-Organic Framework/DNA Hybrid System as a Novel Fluorescent Biosensor for Mercury(II) Ion Detection. Chemistry - A European Journal, 2016, 22, 477-480.	3.3	155

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55	Synthesis, structure and photoluminescent behavior of a novel pillar-layered $\{Zn_{3}\}$ -based metal-organic framework. Functional Materials Letters, 2016, 09, 1650002.	1.2	3
56	Encapsulation of Ln^{III} Ions/Dyes within a Microporous Anionic MOF by Post-synthetic Ionic Exchange Serving as a Ln^{III} Ion Probe and Two-color Luminescent Sensors. Chemistry - A European Journal, 2015, 21, 9748-9752.	3.3	123
57	Highly thermostable lanthanide metal-organic frameworks exhibiting unique selectivity for nitro explosives. RSC Advances, 2015, 5, 93-98.	3.6	46
58	Lanthanide Ion Codoped Emitters for Tailoring Emission Trajectory and Temperature Sensing. Advanced Functional Materials, 2015, 25, 1463-1469.	14.9	263
59	A Temperature-responsive Smart Europium Metal-Organic Framework Switch for Reversible Capture and Release of Intrinsic Eu^{3+} Ions. Advanced Science, 2015, 2, 1500012.	11.2	83
60	A Eu/Tb-codoped coordination polymer luminescent thermometer. Inorganic Chemistry Frontiers, 2014, 1, 757-760.	6.0	63
61	Single-Crystal-to-Single-Crystal Transformation of a Europium(III) Metal-Organic Framework Producing a Multi-responsive Luminescent Sensor. Advanced Functional Materials, 2014, 24, 4034-4041.	14.9	542
62	Constructing porous MOF based on the assembly of layer framework and p-sulfonatocalix[4]arene nanocapsule with proton-conductive property. CrystEngComm, 2014, 16, 64-68.	2.6	31
63	A europium(III) based metal-organic framework: bifunctional properties related to sensing and electronic conductivity. Journal of Materials Chemistry A, 2014, 2, 237-244.	10.3	149
64	Employing tripodal carboxylate ligand to construct Co(II) coordination networks modulated by N-donor ligands: syntheses, structures and magnetic properties. Dalton Transactions, 2013, 42, 13231.	3.3	24
65	One-dimensional channel-structured Eu-MOF for sensing small organic molecules and Cu^{2+} ion. Journal of Materials Chemistry A, 2013, 1, 11043.	10.3	341
66	Two high-connected metal-organic frameworks based on d10-metal clusters: syntheses, structural topologies and luminescent properties. Dalton Transactions, 2013, 42, 8183.	3.3	32
67	A Series of Metal-Organic Frameworks Constructed From a V-shaped Tripodal Carboxylate Ligand: Syntheses, Structures, Photoluminescent, and Magnetic Properties. Crystal Growth and Design, 2013, 13, 2756-2765.	3.0	52
68	Three unprecedented open frameworks based on a pyridyl-carboxylate: synthesis, structures and properties. CrystEngComm, 2012, 14, 1681-1686.	2.6	19
69	A series of POM/Ag-based hybrids: distinct forms and assembly of $[Ag_xLy]$ complexes through combinational effects of POM and isomeric ligands. CrystEngComm, 2012, 14, 6452.	2.6	34
70	Syntheses, structures and physical properties of transition metal-organic frameworks assembled from trigonal heterofunctional ligands. Dalton Transactions, 2012, 41, 10412.	3.3	58
71	An unusual three-dimensional self-penetrating network derived from cross-linking of two-fold interpenetrating nets via ligand-unsupported $Ag-Ag$ bonds: synthesis, structure, luminescence, and theoretical study. New Journal of Chemistry, 2012, 36, 877.	2.8	25
72	Three three-dimensional anionic metal-organic frameworks with (4,8)-connected abf topology constructed from a semi-rigid ligand and polynuclear metal clusters. CrystEngComm, 2011, 13, 6057.	2.6	19

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73	Plant polyphenol-involved coordination assembly-derived Mo ₃ Co ₃ C/Mo ₂ C/Co@NC with phase regulation and interface engineering for efficient hydrogen evolution reaction electrocatalysis. New Journal of Chemistry, 0, ,	2.8	1