

Xue-Zhi Song

List of Publications by Year in descending order

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73
papers

3,788
citations

185998
28
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123241
61
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75
all docs

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.	2.8	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.	5.2	39
3	CeO ₂ -modulated CoP derived from prussian blue analogue boosting hydrogen evolution reaction electrocatalysis. Journal of Alloys and Compounds, 2022, 913, 165334.	2.8	11
4	Boosting the oxygen evolution electrocatalysis of high-entropy hydroxides by high-valence nickel species regulation. Chemical Communications, 2022, 58, 7682-7685.	2.2	20
5	Boosting Hydrogen Evolution Electrocatalysis via Regulating the Electronic Structure in a Crystalline/Amorphous CoP/CeO ₂ Heterojunction. ACS Applied Materials & Interfaces, 2022, 14, 33151-33160.	4.0	41
6	Effect of ROS generation on highly dispersed 4-layer O-Ti ₇ O ₁₃ nanosheets toward tumor synergistic therapy. Materials Science and Engineering C, 2021, 120, 111666.	3.8	3
7	Double-shelled carbon nanocages grafted with carbon nanotubes embedding Co nanoparticles for enhanced hydrogen evolution electrocatalysis. Chemical Communications, 2021, 57, 3022-3025.	2.2	16
8	Recent Advances of CeO ₂ -Based Electrocatalysts for Oxygen and Hydrogen Evolution as well as Nitrogen Reduction. ChemElectroChem, 2021, 8, 996-1020.	1.7	45
9	Preparation of 2D ultrathin titanium dioxide nanosheets with enhanced visible-light photocatalytic activity. Micro and Nano Letters, 2021, 16, 313-318.	0.6	2
10	Spontaneously engineering heterogeneous interface of silver nanoparticles on γ -Co(OH) ₂ for boosting electrochemical oxygen evolution. Journal of Alloys and Compounds, 2021, 873, 159766.	2.8	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.	1.7	5
12	In Situ Growth and Electrochemical Activation of Copper-Based Nickel-Cobalt Hydroxide for High-Performance Energy Storage Devices. ACS Applied Energy Materials, 2021, 4, 9460-9469.	2.5	2
13	Prussian Blue Analogs and Their Derived Nanomaterials for Electrochemical Energy Storage and Electrocatalysis. Small Methods, 2021, 5, e2001000.	4.6	81
14	Surface Structure Engineering of Nanosheet-Assembled NiFe ₂ O ₄ Fluffy Flowers for Gas Sensing. Nanomaterials, 2021, 11, 297.	1.9	3
15	Interface engineering in the γ -Co(OH) ₂ /ZIF-67 heterostructure for enhanced oxygen evolution electrocatalysis. New Journal of Chemistry, 2021, 45, 10199-10203.	1.4	4
16	Hierarchical MoO ₄ ²⁻ Intercalating γ -Co(OH) ₂ Nanosheet Assemblies: Green Synthesis and Ultrafast Reconstruction for Boosting Electrochemical Oxygen Evolution. Energy & Fuels, 2021, 35, 2775-2784.	2.5	13
17	Interface Engineering and Phase Regulation in CoP/CePO ₄ Heterostructures for Boosting Oxygen Evolution Electrocatalysis. Energy & Fuels, 2021, 35, 16760-16767.	2.5	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.	2.4	20

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19	An Fe-MIL100 Based Drug Delivery System for pH and Glutathione Dual-Responsive Drug Release. <i>ChemistrySelect</i> , 2021, 6, 12295-12299.	0.7	1
20	Hierarchical particle-on-sheet CoP fabricated by direct phosphorization of Co(OH) ₂ /ZIF-67 hybrid for boosting hydrogen evolution electrocatalysis. <i>Inorganic Chemistry Communication</i> , 2021, 134, 109058.	1.8	5
21	Ammonium Salts: New Synergistic Additive for Chemical Vapor Deposition Growth of MoS ₂ . <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 12384-12390.	2.1	7
22	Annealing temperature-dependent porous ZnFe ₂ O ₄ olives derived from bimetallic organic frameworks for high-performance ethanol gas sensing. <i>Materials Chemistry and Physics</i> , 2020, 241, 122379.	2.0	21
23	High-Quality Inorganic Chemistry Teaching During COVID-19. <i>Journal of Chemical Education</i> , 2020, 97, 2945-2949.	1.1	7
24	SiO ₂ -coated magnetic nano-Fe ₃ O ₄ photosensitizer for synergistic tumour-targeted chemo-photothermal therapy. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 195, 111274.	2.5	24
25	Heterostructural Co/CeO ₂ /Co ₂ P/CoP@NC dodecahedrons derived from CeO ₂ -inserted zeolitic imidazolate framework-67 as efficient bifunctional electrocatalysts for overall water splitting. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 30559-30570.	3.8	28
26	Soft X-ray-Enhanced Reactive Oxygen Species Generation in Mesoporous Titanium Peroxide and the Application in Tumor Synergistic Therapy. <i>ACS Applied Bio Materials</i> , 2020, 3, 7408-7417.	2.3	1
27	Hierarchical CuO@ZnCo(OH) core-shell heterostructure on copper foam as three-dimensional binder-free electrodes for high performance asymmetric supercapacitors. <i>Journal of Power Sources</i> , 2020, 465, 228239.	4.0	40
28	Synthesis of hollow donut-like carbon nitride for the visible light-driven highly efficient photocatalytic production of hydrogen and degradation of pollutants. <i>New Journal of Chemistry</i> , 2020, 44, 12247-12255.	1.4	4
29	Direct Growth of Continuous and Uniform MoS ₂ Film on SiO ₂ /Si Substrate Catalyzed by Sodium Sulfate. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 1570-1577.	2.1	15
30	Synthesis of surfactant-modified ZIF-8 with controllable microstructures and their drug loading and sustained release behaviour. <i>IET Nanobiotechnology</i> , 2020, 14, 595-601.	1.9	12
31	<i>In situ</i> formation of defect-engineered N-doped TiO ₂ porous mesocrystals for enhanced photo-degradation and PEC performance. <i>Nanoscale Advances</i> , 2019, 1, 1372-1379.	2.2	25
32	Hollow core-shell NiCo ₂ S ₄ @MoS ₂ dodecahedrons with enhanced performance for supercapacitors and hydrogen evolution reaction. <i>New Journal of Chemistry</i> , 2019, 43, 3601-3608.	1.4	70
33	The TiO ₂ topotactic transformation assisted trapping of an atomically dispersed Pt catalyst for low temperature CO oxidation. <i>RSC Advances</i> , 2019, 9, 16774-16778.	1.7	2
34	Titanium Dioxide: From Engineering to Applications. <i>Catalysts</i> , 2019, 9, 191.	1.6	277
35	Triple-shelled CuO/CeO ₂ hollow nanospheres derived from metal-organic frameworks as highly efficient catalysts for CO oxidation. <i>New Journal of Chemistry</i> , 2019, 43, 16096-16102.	1.4	11
36	Hollow NiFe ₂ O ₄ microspindles derived from Ni/Fe bimetallic MOFs for highly sensitive acetone sensing at low operating temperatures. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 1107-1114.	3.0	55

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37	Defect-engineered TiO ₂ Hollow Spiny Nanocubes for Phenol Degradation under Visible Light Irradiation. <i>Scientific Reports</i> , 2018, 8, 5904.	1.6	28
38	Carbon coated nickel-cobalt bimetallic sulfides hollow dodecahedrons for a supercapacitor with enhanced electrochemical performance. <i>New Journal of Chemistry</i> , 2018, 42, 5128-5134.	1.4	38
39	Prussian Blue analogue derived porous NiFe ₂ O ₄ nanocubes for low-concentration acetone sensing at low working temperature. <i>Chemical Engineering Journal</i> , 2018, 338, 504-512.	6.6	116
40	Triple-shelled ZnO/ZnFe ₂ O ₄ heterojunctional hollow microspheres derived from Prussian Blue analogue as high-performance acetone sensors. <i>Sensors and Actuators B: Chemical</i> , 2018, 256, 374-382.	4.0	96
41	A facile photoassisted route to synthesis N, F-codoped oxygen-deficient TiO ₂ with enhanced photocatalytic performance under visible light irradiation. <i>Applied Surface Science</i> , 2018, 434, 725-734.	3.1	23
42	Porous Javelin-Like NiFe ₂ O ₄ Nanorods as n-Propanol Sensor with Ultrahigh Performance. <i>ChemistrySelect</i> , 2018, 3, 12871-12877.	0.7	19
43	Enhancing the Fe ³⁺ Sensing Sensitivity by Energy Transfer and Phase Transformation in a Bimetallic Lanthanide Metal-Organic Framework. <i>ChemistrySelect</i> , 2018, 3, 9564-9570.	0.7	11
44	One-pot synthesis of oleic acid modified monodispersed mesoporous TiO ₂ nanospheres with enhanced visible light photocatalytic performance. <i>Advanced Powder Technology</i> , 2018, 29, 1925-1932.	2.0	14
45	Hollow NiFe ₂ O ₄ hexagonal biyramids for high-performance n-propanol sensing at low temperature. <i>New Journal of Chemistry</i> , 2018, 42, 14071-14074.	1.4	25
46	Seamless Interfacial Formation by Solution-Processed Amorphous Hydroxide Semiconductor for Highly Efficient Electron Transport. <i>ACS Applied Energy Materials</i> , 2018, 1, 4564-4571.	2.5	16
47	Dual-stimuli-responsive TiO _x /DOX nanodrug system for lung cancer synergistic therapy. <i>RSC Advances</i> , 2018, 8, 21975-21984.	1.7	21
48	A three dimensional N-doped graphene/CNTs/AC hybrid material for high-performance supercapacitors. <i>RSC Advances</i> , 2017, 7, 6664-6670.	1.7	9
49	Highly efficient heterogeneous catalytic materials derived from metal-organic framework supports/precursors. <i>Coordination Chemistry Reviews</i> , 2017, 337, 80-96.	9.5	282
50	Assembling hierarchical metal-oxygen building units with a semirigid tetracarboxylate ligand into a three-dimensional framework for nitrobenzene sensing. <i>Dalton Transactions</i> , 2017, 46, 6523-6527.	1.6	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. <i>Inorganic Chemistry</i> , 2017, 56, 13646-13650.	1.9	46
52	Solution Effect on Synthesis of Polyaniline/rGO Composite for High-Performance Supercapacitor. <i>Nano</i> , 2017, 12, 1750088.	0.5	4
53	A theoretical insight into CO ₂ sensing performance on the orthorhombic LaMnO ₃ (0 1 0) surface. <i>Chemical Physics Letters</i> , 2017, 687, 138-142.	1.2	8
54	A Metal-Organic Framework/DNA Hybrid System as a Novel Fluorescent Biosensor for Mercury(II) Ion Detection. <i>Chemistry - A European Journal</i> , 2016, 22, 477-480.	1.7	155

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55	Synthesis, structure and photoluminescent behavior of a novel pillar-layered $\{Zn_3\}$ -based metal-organic framework. <i>Functional Materials Letters</i> , 2016, 09, 1650002.	0.7	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. <i>Chemistry - A European Journal</i> , 2015, 21, 9748-9752.	1.7	123
57	Highly thermostable lanthanide metal-organic frameworks exhibiting unique selectivity for nitro explosives. <i>RSC Advances</i> , 2015, 5, 93-98.	1.7	46
58	Lanthanide Ion Codoped Emitters for Tailoring Emission Trajectory and Temperature Sensing. <i>Advanced Functional Materials</i> , 2015, 25, 1463-1469.	7.8	263
59	A Temperature-responsive Smart Europium Metal-Organic Framework Switch for Reversible Capture and Release of Intrinsic Eu ³⁺ Ions. <i>Advanced Science</i> , 2015, 2, 1500012.	5.6	83
60	A Eu/Tb-codoped coordination polymer luminescent thermometer. <i>Inorganic Chemistry Frontiers</i> , 2014, 1, 757-760.	3.0	63
61	Single-Crystal-to-Single-Crystal Transformation of a Europium(III) Metal-Organic Framework Producing a Multi-responsive Luminescent Sensor. <i>Advanced Functional Materials</i> , 2014, 24, 4034-4041.	7.8	542
62	Constructing porous MOF based on the assembly of layer framework and p-sulfonatocalix[4]arene nanocapsule with proton-conductive property. <i>CrystEngComm</i> , 2014, 16, 64-68.	1.3	31
63	A europium(ⁱⁱⁱ) based metal-organic framework: bifunctional properties related to sensing and electronic conductivity. <i>Journal of Materials Chemistry A</i> , 2014, 2, 237-244.	5.2	149
64	Employing tripodal carboxylate ligand to construct Co(ii) coordination networks modulated by N-donor ligands: syntheses, structures and magnetic properties. <i>Dalton Transactions</i> , 2013, 42, 13231.	1.6	24
65	One-dimensional channel-structured Eu-MOF for sensing small organic molecules and Cu ²⁺ ion. <i>Journal of Materials Chemistry A</i> , 2013, 1, 11043.	5.2	341
66	Two high-connected metal-organic frameworks based on d ¹⁰ -metal clusters: syntheses, structural topologies and luminescent properties. <i>Dalton Transactions</i> , 2013, 42, 8183.	1.6	32
67	A Series of Metal-Organic Frameworks Constructed From a V-shaped Tripodal Carboxylate Ligand: Syntheses, Structures, Photoluminescent, and Magnetic Properties. <i>Crystal Growth and Design</i> , 2013, 13, 2756-2765.	1.4	52
68	Three unprecedented open frameworks based on a pyridyl-carboxylate: synthesis, structures and properties. <i>CrystEngComm</i> , 2012, 14, 1681-1686.	1.3	19
69	A series of POM/Ag-based hybrids: distinct forms and assembly of [Ag _x Ly] complexes through combinational effects of POM and isomeric ligands. <i>CrystEngComm</i> , 2012, 14, 6452.	1.3	34
70	Syntheses, structures and physical properties of transition metal-organic frameworks assembled from trigonal heterofunctional ligands. <i>Dalton Transactions</i> , 2012, 41, 10412.	1.6	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. <i>New Journal of Chemistry</i> , 2012, 36, 877.	1.4	25
72	Three three-dimensional anionic metal-organic frameworks with (4,8)-connected alb topology constructed from a semi-rigid ligand and polynuclear metal clusters. <i>CrystEngComm</i> , 2011, 13, 6057.	1.3	19

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73	Plant polyphenol-involved coordination assembly-derived $\text{Mo}_3\text{Co}_3\text{C}/\text{Mo}_2\text{C}/\text{Co@NC}$ with phase regulation and interface engineering for efficient hydrogen evolution reaction electrocatalysis. <i>New Journal of Chemistry</i> , 0, ,	1.4	1