

Hongming Yuan

List of Publications by Year in descending order

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times ranked

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#	ARTICLE	IF	CITATIONS
1	Sn ²⁺ /Ni ₃ S ₂ Ultrathin Nanosheets as Efficient Bifunctional Water-Splitting Catalysts with a Large Current Density and Low Overpotential. ACS Applied Materials & Interfaces, 2018, 10, 40568-40576.	8.0	113
2	A K ₂ Fe ₄ O ₇ superionic conductor for all-solid-state potassium metal batteries. Journal of Materials Chemistry A, 2018, 6, 8413-8418.	10.3	75
3	Electrochemical dopamine sensor based on superionic conducting potassium ferrite. Biosensors and Bioelectronics, 2020, 153, 112045.	10.1	59
4	Evidence for Ferroelectricity of All-Inorganic Perovskite CsPbBr ₃ Quantum Dots. Journal of the American Chemical Society, 2020, 142, 3316-3320.	13.7	53
5	Enhanced electrocatalytic hydrogen evolution performance of MoS ₂ ultrathin nanosheets via Sn doping. Applied Catalysis A: General, 2017, 538, 1-8.	4.3	45
6	Metal-ionic-conductor potassium ferrite nanocrystals with intrinsic superhydrophilic surfaces for electrocatalytic water splitting at ultrahigh current densities. Journal of Materials Chemistry A, 2021, 9, 7586-7593.	10.3	40
7	Mild hydrothermal synthesis and ferrimagnetism of Pr ₃ Fe ₅ O ₁₂ and Nd ₃ Fe ₅ O ₁₂ garnets. Journal of Solid State Chemistry, 2011, 184, 1048-1053.	2.9	34
8	Hydrothermal Syntheses and Structural Phase Transitions of AgNbO ₃ . Journal of the American Ceramic Society, 2012, 95, 3673-3677.	3.8	32
9	Fascinating Tin Effects on the Enhanced and Large-Current-Density Water Splitting Performance of Sn ²⁺ /Ni(OH) ₂ . ACS Applied Materials & Interfaces, 2021, 13, 42861-42869.	8.0	30
10	Degradation of 2,4-dichlorophenol catalyzed by the immobilized laccase with the carrier of Fe ₃ O ₄ @MSS-NH ₂ . Science Bulletin, 2014, 59, 509-520.	1.7	25
11	1T-2H Cr-MoS ₂ Ultrathin Nanosheets for Durable and Enhanced Hydrogen Evolution Reaction. ACS Sustainable Chemistry and Engineering, 2019, 7, 7227-7232.	6.7	25
12	Rational Design of GO-Modified Fe ₃ O ₄ /SiO ₂ Nanoparticles with Combined Rhenium-188 and Gambogic Acid for Magnetic Target Therapy. ACS Applied Materials & Interfaces, 2017, 9, 28195-28208.	8.0	24
13	Cage-like mesoporous silica encapsulated with microcapsules for immobilized laccase and 2, 4-DCP degradation. Journal of Environmental Sciences, 2015, 38, 52-62.	6.1	21
14	Degradation of 2,4-DCP by the Immobilized Laccase on the Carrier of Fe ₃ O ₄ @SiO ₂ -NH ₂ . Chinese Journal of Chemistry, 2012, 30, 2849-2860.	4.9	20
15	Proton conduction in a new 3-D open-framework vanadoborate with an abundant hydrogen bond system. Dalton Transactions, 2017, 46, 9103-9109.	3.3	19
16	Hydrothermal synthesis and multiferroic properties of Y ₂ NiMnO ₆ . RSC Advances, 2014, 4, 50969-50974.	3.6	17
17	Resolving the enigma of prebiotic C-P bond formation: Prebiotic hydrothermal synthesis of important biological phosphate esters. Heteroatom Chemistry, 2010, 21, 161-167.	0.7	16
18	Low-Temperature Phase Transition in AgNbO ₃ . Journal of the American Ceramic Society, 2014, 97, 1895-1898.	3.8	16

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19	Potassium Ferrite as Heterogeneous Photo-Fenton Catalyst for Highly Efficient Dye Degradation. <i>Catalysts</i> , 2020, 10, 293.	3.5	16
20	Characterization of enzyme-immobilized catalytic support and its exploitation for the degradation of methoxychlor in simulated polluted soils. <i>Environmental Science and Pollution Research</i> , 2019, 26, 28328-28340.	5.3	15
21	Three oxidation states and atomic-scale p-n junctions in manganese perovskite oxide from hydrothermal systems. <i>Journal of Materials Science</i> , 2008, 43, 2131-2137.	3.7	14
22	Hydrothermal biochemistry: from formaldehyde to oligopeptides. <i>Journal of Materials Science</i> , 2008, 43, 2418-2425.	3.7	14
23	Hydrothermal synthesis and characterization of rare-earth ruthenate pyrochlore compounds $R_2Ru_2O_7$ ($R = Pr^{3+}, Sm^{3+}, Ho^{3+}$). <i>Science China Chemistry</i> , 2011, 54, 941-946.	8.2	14
24	Facile proton conduction in a new 2D layered vanadoborate. <i>Journal of Alloys and Compounds</i> , 2018, 743, 136-140.	5.5	13
25	Temperature-dependent optical phonon behaviour of a spinel Zn_2TiO_4 single crystal grown by the optical floating zone method in argon atmosphere. <i>RSC Advances</i> , 2017, 7, 35477-35481.	3.6	12
26	Proton Conduction in Organically Templated 3D Open-Framework Vanadium-Nickel Pyrophosphate. <i>Inorganic Chemistry</i> , 2019, 58, 4394-4398.	4.0	12
27	A new 3-D open-framework Li-rich vanadoborate and its high ionic conductivity after transforming into glasses. <i>Dalton Transactions</i> , 2017, 46, 2479-2484.	3.3	11
28	Hydrothermal Synthesized Co-Ni $3S_2$ Ultrathin Nanosheets for Efficient and Enhanced Overall Water Splitting. <i>Chemical Research in Chinese Universities</i> , 2019, 35, 179-185.	2.6	11
29	Surfactant and thioacetamide-assisted reflux synthesis of Bi_2S_3 nanowires. <i>Journal of Materials Research</i> , 2014, 29, 2272-2287.	2.6	10
30	The Raman scattering of trirutile structure $MgTa_2O_6$ single crystals grown by the optical floating zone method. <i>RSC Advances</i> , 2019, 9, 839-843.	3.6	10
31	Proton conducting in a new vanadoborate with 3D structure through hydrogen bonding. <i>Journal of Alloys and Compounds</i> , 2020, 816, 152505.	5.5	10
32	Enhanced Dielectric and Energy Storage Properties in Fe-Doped BCZT Ferroelectric Ceramics. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2020, 217, 2000253.	1.8	10
33	Optical properties of $ZnNb_2O_6$ single crystals prepared via the optical floating zone technology. <i>Crystal Research and Technology</i> , 2014, 49, 502-506.	1.3	9
34	A Novel Layered Anchoring Structure Immobilized Cellulase via Covalent Binding of Cellulase on MNPs Anchored by LDHs. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2018, 28, 1624-1635.	3.7	8
35	Comparative Studies on Enzyme Activity of Immobilized Horseradish Peroxidase in Silica Nanomaterials with Three Different Shapes and Methoxychlor Degradation of Vesicle-Like Mesoporous SiO_2 as Carrier. <i>Journal of Nanoscience and Nanotechnology</i> , 2018, 18, 2971-2978.	0.9	8
36	Efficient proton conductivity of a novel 3D open-framework vanadoborate with $[V_6B_{20}]$ architectures. <i>Dalton Transactions</i> , 2021, 50, 3240-3246.	3.3	8

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37	Preparation of Fe_2O_3 Doped with Co^{2+} and Dy^{3+} by Sol-Gel Method. <i>Journal of Nanoscience and Nanotechnology</i> , 2017, 17, 4372-4383.	0.9	5
38	A New 3-D Open-Framework Zinc Borovanadate with Catalytic Potentials in α -Phenethyl Alcohol Oxidation. <i>Molecules</i> , 2019, 24, 531.	3.8	5
39	Organotemplate-free synthesis of two open-framework metal borophosphates. <i>Dalton Transactions</i> , 2015, 44, 17100-17105.	3.3	4
40	Optoelectronic investigation of corundum $\text{Mg}_4\text{Nb}_2\text{O}_9$ single crystal. <i>Journal of Alloys and Compounds</i> , 2015, 619, 240-243.	5.5	4
41	Proton-Conducting Vanadoborate with New $[\text{V}_{10}\text{B}_{26}]$ Clusters. <i>Crystal Growth and Design</i> , 2022, 22, 1824-1830.	3.0	4
42	Preparation of Magnetic Pearlescent Pigment Mica/ Fe_3O_4 by Thermally Decomposing Ferric Formate Composite Containing Hydrazine. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2018, 28, 651-670.	3.7	3
43	Enhanced energy storage properties at phase boundary in Fe-doped $\text{Ba}(\text{Zr}_{0.04}\text{Ti}_{0.96})\text{O}_3$ ceramics with a slush polar state. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 13972-13984.	2.2	3
44	A novel synthetic route to synthesize 2,4,8,10-tetraoxaspiro[5.5]-undecane from formaldehyde under hydrothermal conditions. <i>Journal of Heterocyclic Chemistry</i> , 2010, 47, NA-NA.	2.6	2
45	Some heterocyclic compound formation under hydrothermal conditions: implications for prebiotic chemistry. <i>Heterocyclic Communications</i> , 2012, 18, 7-10.	1.2	2
46	Optical phonon behavior of columbite MgNb_2O_6 single crystals. <i>Journal of Applied Physics</i> , 2014, 116, .	2.5	2
47	Graphene Oxide Covalently Grafted $\text{Fe}_2\text{B}@/\text{SiO}_2$ Nanoparticles for Epirubicin Loading and Releasing. <i>Journal of Nanoscience and Nanotechnology</i> , 2020, 20, 2104-2113.	0.9	2
48	Effects of different pore structures on loading and sustained-release of mitomycin C by hollow mesoporous $\text{Fe}(\text{O})@\text{mSiO}_2$. <i>Journal of Porous Materials</i> , 2022, 29, 1489-1505.	2.6	2
49	$\text{Cd}_3[\text{B}_2\text{P}_4\text{O}_{14}(\text{OH})_4]$: A 3D Open-Framework Cadmium Borophosphate with Unique Twisted 8-Ring Channels. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2015, 641, 1777-1780.	1.2	1
50	Reply to "Comment on "Low-Temperature Phase Transition in AgNbO_3 ". <i>Journal of the American Ceramic Society</i> , 2015, 98, 1042-1042.	3.8	1
51	Improved Dielectric and Energy Storage Properties of $\text{Ba}_{0.8}\text{Ca}_{0.2}\text{TiO}_3$ Ceramics by Doping $\text{Ba}(\text{Mg}_{1/3})\text{TjETQq}_{1,1,8}0.784314$ rgBT		
52	Fe-doping as a universal phase boundary shifter for BCZT ceramics across the morphotropic phase boundary. <i>Journal of Electroceramics</i> , 2021, 47, 67-78.	2.0	1