

# Quan-Guo Zhai

## List of Publications by Citations

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236  
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65  
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241  
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6,387  
ext. citations

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L-index

#	Paper	IF	Citations
236	Pore Space Partition in Metal-Organic Frameworks. <i>Accounts of Chemical Research</i> , <b>2017</b> , 50, 407-417	24.3	339
235	Construction of Ag/1,2,4-triazole/polyoxometalates hybrid family varying from diverse supramolecular assemblies to 3-d Rod-packing framework. <i>Inorganic Chemistry</i> , <b>2007</b> , 46, 5046-58	5.1	268
234	Systematic and Dramatic Tuning on Gas Sorption Performance in Heterometallic Metal-Organic Frameworks. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 2524-7	16.4	236
233	Pore space partition by symmetry-matching regulated ligand insertion and dramatic tuning on carbon dioxide uptake. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 1396-9	16.4	227
232	Coligand Modulated Six-, Eight-, and Ten-Connected Zn/Cd-1,2,4-Triazolate Frameworks Based on Mono-, Bi-, Tri-, Penta-, and Heptanuclear Cluster Units. <i>Crystal Growth and Design</i> , <b>2007</b> , 7, 2332-2342	3.5	219
231	Construction of Cd/Zn(II)-1,2,4-Triazolate Coordination Complexes via Changing Substituents and Anions. <i>Crystal Growth and Design</i> , <b>2006</b> , 6, 2126-2135	3.5	181
230	An ultra-tunable platform for molecular engineering of high-performance crystalline porous materials. <i>Nature Communications</i> , <b>2016</b> , 7, 13645	17.4	165
229	Cooperative Crystallization of Heterometallic Indium-Chromium Metal-Organic Polyhedra and Their Fast Proton Conductivity. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 7886-90	16.4	126
228	Multivariable Modular Design of Pore Space Partition. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 15102-15105	16.4	103
227	High CO <sub>2</sub> and H <sub>2</sub> Uptake in an Anionic Porous Framework with Amino-Decorated Polyhedral Cages. <i>Chemistry of Materials</i> , <b>2012</b> , 24, 2624-2626	9.6	103
226	Framework Cationization by Preemptive Coordination of Open Metal Sites for Anion-Exchange Encapsulation of Nucleotides and Coenzymes. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 2768-72	16.4	103
225	Highly Selective and Sensitive Turn-Off-On Fluorescent Probes for Sensing Al <sup>3+</sup> Ions Designed by Regulating the Excited-State Intramolecular Proton Transfer Process in Metal-Organic Frameworks. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 11338-11348	9.5	102
224	Ultramicroporous Building Units as a Path to Bi-microporous Metal-Organic Frameworks with High Acetylene Storage and Separation Performance. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 13590-13595	16.4	98
223	Design of Novel Three-Dimensional Coordination Polymers Based on Triangular Trinuclear Copper 1,2,4-Triazolate Units. <i>Crystal Growth and Design</i> , <b>2006</b> , 6, 1393-1398	3.5	82
222	Rapid decolorization of anthraquinone and triphenylmethane dye using chloroperoxidase: Catalytic mechanism, analysis of products and degradation route. <i>Chemical Engineering Journal</i> , <b>2014</b> , 244, 9-18	14.7	69
221	Design of Pore Size and Functionality in Pillar-Layered Zn-Triazolate-Dicarboxylate Frameworks and Their High CO <sub>2</sub> /CH <sub>4</sub> and C <sub>2</sub> Hydrocarbons/CH <sub>4</sub> Selectivity. <i>Inorganic Chemistry</i> , <b>2015</b> , 54, 9862-8	5.1	68
220	Liquid-Liquid and Solid-Liquid Equilibrium of the Ternary System Ethanol + Cesium Sulfate + Water at (10, 30, and 50) °C. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2003</b> , 48, 1561-1564	2.8	67

219	The first ionothermal synthesis of a 3D ferroelectric metal-organic framework with colossal dielectric constant. <i>Chemical Communications</i> , <b>2011</b> , 47, 3834-6	5.8	61
218	Synthesis, crystal structures, and photoluminescent properties of the Cu(I)/X/alpha,omega-bis(benzotriazole)alkane hybrid family (X = Cl, Br, I, and CN). <i>Inorganic Chemistry</i> , <b>2009</b> , 48, 1449-68	5.1	61
217	Assembly of [Cu(COO)] and [M(ED)(COO)] (M = Sc, Fe, Ga, and In) building blocks into porous frameworks towards ultra-high CH/CO and CH/CH separation performance. <i>Chemical Communications</i> , <b>2018</b> , 54, 2012-2015	5.8	59
216	Two zeolite-type frameworks in one metal-organic framework with Zn <sub>24</sub> @Zn <sub>104</sub> cube-in-sodalite architecture. <i>Angewandte Chemie - International Edition</i> , <b>2012</b> , 51, 8538-41	16.4	56
215	Nanoporous carbon derived from a functionalized metal-organic framework as a highly efficient oxygen reduction electrocatalyst. <i>Nanoscale</i> , <b>2017</b> , 9, 862-868	7.7	52
214	Efficient decolorization/degradation of aqueous azo dyes using buffered H <sub>2</sub> O <sub>2</sub> oxidation catalyzed by a dosage below ppm level of chloroperoxidase. <i>Chemical Engineering Journal</i> , <b>2012</b> , 191, 236-242	14.7	48
213	Lattice Matching Growth of Conductive Hierarchical Porous MOF/LDH Heteronanotube Arrays for Highly Efficient Water Oxidation. <i>Advanced Materials</i> , <b>2021</b> , 33, e2006351	24	47
212	Design of a Multifunctional Indium-Organic Framework: Fluorescent Sensing of Nitro Compounds, Physical Adsorption, and Photocatalytic Degradation of Organic Dyes. <i>Inorganic Chemistry</i> , <b>2019</b> , 58, 11220-11230	5.1	46
211	Induction of trimeric [Mg <sub>3</sub> (OH)(CO <sub>2</sub> ) <sub>6</sub> ] in a porous framework by a desymmetrized tritopic ligand. <i>Dalton Transactions</i> , <b>2012</b> , 41, 2866-8	4.3	45
210	A semiconductor and fluorescence dual-mode room-temperature ammonia sensor achieved by decorating hydroquinone into a metal-organic framework. <i>Chemical Communications</i> , <b>2018</b> , 54, 9789-9792 <sup>5,8</sup>	5.8	43
209	Keggin polyoxometalates-supported assembly of 2D supramolecular isomers: Synthesis, crystal structures and characteristics of two novel hybrid host-guest complexes. <i>Inorganica Chimica Acta</i> , <b>2007</b> , 360, 3484-3492	2.7	43
208	Liquid-Liquid and Liquid-Liquid-Solid Equilibrium in PEG + Cs <sub>2</sub> SO <sub>4</sub> + H <sub>2</sub> O. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2004</b> , 49, 1440-1443	2.8	42
207	In situ semi-transformation from heterometallic MOFs to Fe-Ni LDH/MOF hierarchical architectures for boosted oxygen evolution reaction. <i>Nanoscale</i> , <b>2020</b> , 12, 14514-14523	7.7	40
206	(3,4)-Connected jph-type porous framework with Cu <sub>4</sub> I <sub>4</sub> clusters as jointing points of helices. <i>CrystEngComm</i> , <b>2008</b> , 10, 273-275	3.3	39
205	Gas Uptake and Supercapacitor Performance of a Highly Connected Porous Co-Metal-Organic Framework Induced by Ligand Bulk. <i>Crystal Growth and Design</i> , <b>2017</b> , 17, 3229-3235	3.5	37
204	Ionothermal synthesis and characterization of a 3-D (4, 8)-connected porous anionic metal-organic framework entrapped with 1-D [K <sub>2</sub> (H <sub>2</sub> O) <sub>6</sub> ] chains. <i>Inorganic Chemistry Communication</i> , <b>2008</b> , 11, 1455-1458	2.1	35
203	A novel 3D hybrid architecture based on (H <sub>2</sub> O) <sub>6</sub> encircling Cu <sub>4</sub> I <sub>4</sub> cluster and hexanuclear Cu <sub>6</sub> (datrz) <sub>6</sub> ring. <i>Inorganic Chemistry Communication</i> , <b>2006</b> , 9, 819-822	3.1	35
202	Synthesis of chiral epichlorohydrin by chloroperoxidase-catalyzed epoxidation of 3-chloropropene in the presence of an ionic liquid as co-solvent. <i>Catalysis Communications</i> , <b>2010</b> , 11, 727-731	3.2	34

201	Design of two isorecticular Cd-biphenyltetracarboxylate frameworks for dye adsorption, separation and photocatalytic degradation. <i>Dalton Transactions</i> , <b>2018</b> , 47, 700-707	4.3	34
200	Ultramicroporous Building Units as a Path to Bi-microporous Metal-Organic Frameworks with High Acetylene Storage and Separation Performance. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 13724-13729	3.6	33
199	Precise Pore Space Partitions Combined with High-Density Hydrogen-Bonding Acceptors within Metal-Organic Frameworks for Highly Efficient Acetylene Storage and Separation. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 10122-10128	16.4	33
198	Solvothermal synthesis, crystal structures and photoluminescence properties of the novel Cd/X/Bis(benzotriazole)alkane hybrid family (X = Cl, Br and I). <i>CrystEngComm</i> , <b>2011</b> , 13, 1602-1616	3.3	32
197	Mesoporous In <sub>2</sub> O <sub>3</sub> materials prepared by solid-state thermolysis of indium-organic frameworks and their high HCHO-sensing performance. <i>Inorganic Chemistry Communication</i> , <b>2016</b> , 63, 48-52	3.1	31
196	Synthesis, Crystal Structures, and Solid-State Luminescent Properties of Diverse LnPyridine-3,5-Dicarboxylate Coordination Polymers Modulated by the Ancillary Ligand. <i>Crystal Growth and Design</i> , <b>2014</b> , 14, 177-188	3.5	31
195	Tuning the porosity of mesoporous NiO through calcining isostructural Ni-MOFs toward supercapacitor applications. <i>Journal of Solid State Chemistry</i> , <b>2018</b> , 263, 72-78	3.3	30
194	Influence of substituents on the structures of hybrid complexes constructed from tetranuclear copper(I) 1,2,4-triazolate clusters and octamolybdates. <i>Inorganica Chimica Acta</i> , <b>2006</b> , 359, 3875-3887	2.7	30
193	Microporous rod metal-organic frameworks with diverse Zn/Cd-triazolate ribbons as secondary building units for CO uptake and selective adsorption of hydrocarbons. <i>Dalton Transactions</i> , <b>2017</b> , 46, 836-844	4.3	28
192	Advancing Magnesium-Organic Porous Materials through New Magnesium Cluster Chemistry. <i>Crystal Growth and Design</i> , <b>2016</b> , 16, 1261-1267	3.5	28
191	Enhanced gas separation performance of an ultramicroporous pillared-layer framework induced by hanging bare Lewis basic pyridine groups. <i>Dalton Transactions</i> , <b>2018</b> , 47, 9310-9316	4.3	28
190	A superstable 3p-block metal-organic framework platform towards prominent CO <sub>2</sub> and C <sub>1</sub> /C <sub>2</sub> -hydrocarbon uptake and separation performance and strong Lewis acid catalysis for CO <sub>2</sub> fixation. <i>Inorganic Chemistry Frontiers</i> , <b>2019</b> , 6, 813-819	6.8	26
189	From Hemoglobin to Porous N-Fe-Doped Carbon for Efficient Oxygen Electroreduction. <i>Journal of Physical Chemistry C</i> , <b>2015</b> , 119, 13545-13550	3.8	26
188	Highly Efficient Biodecolorization/Degradation of Congo Red and Alizarin Yellow R by Chloroperoxidase from <i>Caldariomyces fumago</i> : Catalytic Mechanism and Degradation Pathway. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2013</b> , 52, 13572-13579	3.9	26
187	Efficient enzymatic degradation used as pre-stage treatment for norfloxacin removal by activated sludge. <i>Bioprocess and Biosystems Engineering</i> , <b>2017</b> , 40, 1261-1270	3.7	26
186	Physicochemical Properties for the Binary Systems of Ionic Liquids [Cnmim]Cl + N,N-Dimethylformamide. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2014</b> , 59, 1411-1422	2.8	25
185	Ionothermal synthesis of a new (4,12)-connected heterometallic iodoplumbate with [Pb <sub>4</sub> (OH) <sub>4</sub> ] cubane as joint points of the helices. <i>CrystEngComm</i> , <b>2011</b> , 13, 414-417	3.3	25
184	Self-assembly of a novel 3D copper(I)-tetrazolate supramolecular framework via interpenetration of porous 2D double-layer motifs. <i>Inorganic Chemistry Communication</i> , <b>2010</b> , 13, 211-214	3.1	25

183	Polydopamine tethered CPO/HRP-TiO <sub>2</sub> nano-composites with high bio-catalytic activity, stability and reusability: Enzyme-photo bifunctional synergistic catalysis in water treatment. <i>Chemical Engineering Journal</i> , <b>2018</b> , 347, 703-710	14.7	25
182	Quest for 9-connected robust metal-organic framework platforms based on [M <sub>3</sub> (O/OH)(COO) <sub>6</sub> (pyridine) <sub>3</sub> ] clusters as excellent gas separation and asymmetric supercapacitor materials. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 4640-4650	13	24
181	Enhanced electrochemical performance of Li-Co-BTC ternary metal-organic frameworks as cathode materials for lithium-ion batteries. <i>Dalton Transactions</i> , <b>2019</b> , 48, 2013-2018	4.3	24
180	Ligand Torsion Triggered Two Robust Fe-Tetratopic Carboxylate Frameworks with Enhanced Gas Uptake and Separation Performance. <i>Chemistry - A European Journal</i> , <b>2017</b> , 23, 6693-6700	4.8	23
179	Selective Ion Exchange and Photocatalysis by Zeolite-Like Semiconducting Chalcogenide. <i>Chemistry - A European Journal</i> , <b>2017</b> , 23, 11913-11919	4.8	23
178	The ionothermal synthesis of a 3D indium metal-organic framework: Crystal structure, photoluminescence property and photocatalytic activity. <i>Inorganic Chemistry Communication</i> , <b>2012</b> , 24, 209-211	3.1	23
177	Mesoporous Ag/In <sub>2</sub> O <sub>3</sub> composite derived from indium organic framework as high performance formaldehyde sensor. <i>Journal of Solid State Chemistry</i> , <b>2017</b> , 251, 170-175	3.3	22
176	Nonlinear Optical Rod Indium-Imidazole-dicarboxylate Framework as Room-Temperature Gas Sensor for Butanol Isomers. <i>Crystal Growth and Design</i> , <b>2017</b> , 17, 423-427	3.5	22
175	Two anionic [Cu <sub>6</sub> X <sub>7</sub> ] <sub>n</sub> [X=Br and I] chain-based organic-inorganic hybrid solids with N-substituted benzotriazole ligands. <i>Journal of Solid State Chemistry</i> , <b>2010</b> , 183, 1150-1158	3.3	22
174	Measurements and Correlations of the Solid-Liquid Equilibrium of RbCl/CsCl + [Cnmim]Cl (n = 2, 4, 6, 8) + H <sub>2</sub> O Ternary Systems at T = (288.15, 298.15, and 308.15) K. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2014</b> , 59, 726-735	2.8	21
173	Alkyl substituents introduced into novel d <sup>10</sup> -metalimidazole-4,5-dicarboxylate frameworks: synthesis, structure diversities and photoluminescence properties. <i>CrystEngComm</i> , <b>2013</b> , 15, 965-976	3.3	21
172	Bioconversion of non-steroidal anti-inflammatory drugs diclofenac and naproxen by chloroperoxidase. <i>Biochemical Engineering Journal</i> , <b>2017</b> , 120, 7-16	4.2	20
171	Synthesis, crystal structures and gas adsorption of two porous pillar-layered MOFs decorated with different functional groups. <i>Inorganic Chemistry Communication</i> , <b>2015</b> , 62, 107-110	3.1	20
170	Multimetal Incorporation into 2D Conductive Metal-Organic Framework Nanowires Enabling Excellent Electrocatalytic Oxidation of Benzylamine to Benzonitrile. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 24786-24795	9.5	20
169	Cooperative Crystallization of Heterometallic Indium-Chromium Metal-Organic Polyhedra and Their Fast Proton Conductivity. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 7997-8001	3.6	20
168	Compositions, Densities, and Refractive Indices for the Ternary Systems Ethylene Glycol + NaCl + H <sub>2</sub> O, Ethylene Glycol + KCl + H <sub>2</sub> O, Ethylene Glycol + RbCl + H <sub>2</sub> O, and Ethylene Glycol + CsCl + H <sub>2</sub> O at 298.15 K. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2010</b> , 55, 1289-1294	2.8	20
167	Synthesis, structure and luminescent properties of an organic-inorganic hybrid solid based on unprecedented flower-basket-shaped [Cu <sub>4</sub> I <sub>4</sub> ] clusters with 1,2-bis(benzotriazole)ethane ligands. <i>Inorganic Chemistry Communication</i> , <b>2009</b> , 12, 281-285	3.1	20
166	Design of a heterometallic Zn/Ca-MOF decorated with alkoxy groups on the pore surface exhibiting high fluorescence sensing performance for Fe <sup>3+</sup> and Cr <sup>2+</sup> . <i>CrystEngComm</i> , <b>2020</b> , 22, 4710-4715	3.3	19

- 165 Tuning the CO<sub>2</sub> and C<sub>1</sub>/C<sub>2</sub> Hydrocarbon Capture and Separation Performance for a Zn-F-Triazolate Framework through Functional Amine Groups. *Crystal Growth and Design*, **2018**, 18, 3229-3235 3.5 19
- 164 Solid-Liquid Equilibrium (SLE) of the N,N-Dimethylacetamide (DMA) + MCl (M = Na, K, Rb, and Cs) + Water Ternary Systems at Multiple Temperatures. *Journal of Chemical & Engineering Data*, **2014**, 59, 1423-1434 2.8 19
- 163 Solubilities, Densities, and Refractive Indices for the Ternary Systems Glycerin + MCl + H<sub>2</sub>O (M = Na, K, Rb, Cs) at (298.15 and 308.15) K. *Journal of Chemical & Engineering Data*, **2011**, 56, 4643-4650 2.8 19
- 162 An unusual uninodal 10-connected self-penetrating network built from sixteen-nuclear hybrid cadmium clusters. *CrystEngComm*, **2011**, 13, 4508 3.3 19
- 161 Solid-Liquid Phase Equilibria of Some Aliphatic Alcohols + Cesium Sulfate + Water. *Journal of Chemical & Engineering Data*, **2004**, 49, 1070-1073 2.8 19
- 160 Topology-Guided Design for Sc-soc-MOFs and Their Enhanced Storage and Separation for CO and C-Hydrocarbons. *Inorganic Chemistry*, **2019**, 58, 16792-16799 5.1 19
- 159 Excellent Supercapacitor Performance of Robust Nickel-Organic Framework Materials Achieved by Tunable Porosity, Inner-Cluster Redox, and in Situ Fabrication with Graphene Oxide. *Crystal Growth and Design*, **2018**, 18, 6035-6045 3.5 19
- 158 Phase Diagram of the Cesium Carbonate + Ethanol + Water Ternary System at (0, 20, and 40) °C. *Journal of Chemical & Engineering Data*, **2004**, 49, 717-719 2.8 18
- 157 Decoration of bare carboxyl group on the pore surface of metal-organic frameworks for high selective fluorescence Fe<sup>3+</sup> detection. *Journal of Solid State Chemistry*, **2019**, 274, 18-25 3.3 17
- 156 Framework Cationization by Preemptive Coordination of Open Metal Sites for Anion-Exchange Encapsulation of Nucleotides and Coenzymes. *Angewandte Chemie*, **2016**, 128, 2818-2822 3.6 17
- 155 Systematic Regulation of CH<sub>4</sub>/CO Separation by 3p-Block Open Metal Sites in a Robust Metal-Organic Framework Platform. *Inorganic Chemistry*, **2020**, 59, 4825-4834 5.1 16
- 154 Synthesis, Properties, and Formation Mechanism of Zinc Ferrite Hollow Spheres. *Journal of the American Ceramic Society*, **2007**, 90, 1959-1962 3.8 16
- 153 Reactivity of 1,4-Bis[2-(5-phenyloxazolyl)]benzene toward Cu Salts under Different Reaction Conditions. *Crystal Growth and Design*, **2005**, 5, 1485-1490 3.5 16
- 152 Tailoring the Pore Environment of a Robust Ga-MOF by Deformed [GaO(COO)] Cluster for Boosting CH<sub>4</sub> Uptake and Separation. *Inorganic Chemistry*, **2020**, 59, 10368-10373 5.1 15
- 151 Phase behavior of aqueous two-phase systems composed of 1-alkyl-3-methylimidazolium bromide + Rb<sub>2</sub>CO<sub>3</sub>/Cs<sub>2</sub>CO<sub>3</sub> + water. *Thermochimica Acta*, **2013**, 566, 149-154 2.9 15
- 150 An anionic metal-organic framework based on infinite [In<sub>3</sub>(β-OH)<sub>2</sub>]<sub>n</sub> inorganic chains synthesized in ionic liquid. *Inorganic Chemistry Communication*, **2013**, 28, 16-19 3.1 15
- 149 Thermodynamic study of the mixed system (CsCl+CaCl<sub>2</sub>+H<sub>2</sub>O) by EMF Measurements at T=298.15K. *Journal of Chemical Thermodynamics*, **2009**, 41, 1016-1019 2.9 15
- 148 Solubility of Cesium Nitrate in Aqueous Alcohol Solutions at (25, 35, and 45) °C. *Journal of Chemical & Engineering Data*, **2005**, 50, 1361-1364 2.8 15

147	Combination of enzymatic degradation by chloroperoxidase with activated sludge treatment to remove sulfamethoxazole: performance, and eco-toxicity assessment. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2016</b> , 91, 2802-2809	3.5	15
146	Well-oriented bioarchitecture for immobilization of chloroperoxidase on graphene oxide nanosheets by site-specific interactions and its catalytic performance. <i>Journal of Materials Science</i> , <b>2017</b> , 52, 10001-10012	4.3	14
145	Ordered Mesoporous Silica Matrix for Immobilization of Chloroperoxidase with Enhanced Biocatalytic Performance for Oxidative Decolorization of Azo Dye. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2014</b> , 53, 12201-12208	3.9	14
144	Solubilities, densities and refractive indices for the ternary systems ethylene glycol+MCl+H <sub>2</sub> O (M=Na, K, Rb, Cs) at (15 and 35)°C. <i>Journal of Chemical Thermodynamics</i> , <b>2010</b> , 42, 764-772	2.9	14
143	Design of Highly Connected Cd-Tetrazolate-Dicarboxylate Frameworks with Enhanced CO <sub>2</sub> /CH <sub>4</sub> and C <sub>2</sub> Hydrocarbons/CH <sub>4</sub> Separation Performance. <i>Crystal Growth and Design</i> , <b>2016</b> , 16, 6430-6435	3.5	14
142	Enhancing the catalytic performance of chloroperoxidase by co-immobilization with glucose oxidase on magnetic graphene oxide. <i>Biochemical Engineering Journal</i> , <b>2019</b> , 143, 101-109	4.2	14
141	Design of High-Symmetrical Magnesium-Organic Frameworks with Acetate as Modulator and Their Fluorescence Sensing Performance. <i>Inorganic Chemistry</i> , <b>2018</b> , 57, 14280-14289	5.1	14
140	Enzymatic synthesis of (R)-modafinil by chloroperoxidase-catalyzed enantioselective sulfoxidation of 2-(diphenylmethylthio) acetamide. <i>Biochemical Engineering Journal</i> , <b>2015</b> , 93, 243-249	4.2	13
139	Activity Coefficients of Potassium Chloride in Ethylene Glycol/Water Mixtures Using Electromotive Force Measurements at (278.15, 288.15, 298.15, and 308.15) K. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2010</b> , 55, 1573-1579	2.8	13
138	An unusual (3,6)-connected microporous metal-organic framework based on tetrahedral Zn <sub>4</sub> clusters with selective adsorption of CO <sub>2</sub> . <i>CrystEngComm</i> , <b>2011</b> , 13, 4823	3.3	13
137	Thermodynamic Investigation of a Ternary Mixed Electrolyte (CsCl/MgCl <sub>2</sub> /H <sub>2</sub> O) System Using Electromotive Force Measurement at 298.15 K. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2009</b> , 54, 2023-2027	2.8	13
136	Competitive Coordination-Oriented Monodispersed Ruthenium Sites in Conductive MOF/LDH Heteronanotree Catalysts for Efficient Overall Water Splitting in Alkaline Media.. <i>Advanced Materials</i> , <b>2022</b> , e2107488	2.4	13
135	Phase Diagrams and Physicochemical Properties for the Ternary System (CsCl + NaCl + H <sub>2</sub> O) at T = (298.15, 308.15, and 318.15) K. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2017</b> , 62, 2533-2540	2.8	12
134	Solution behavior of {(formamide/N-methylformamide/N,N-dimethylformamide)+CsCl+water} ternary systems at multiple temperatures. <i>Journal of Chemical Thermodynamics</i> , <b>2014</b> , 78, 134-142	2.9	12
133	Assembly of the active center of organophosphorus hydrolase in metal-organic frameworks via rational combination of functional ligands. <i>Chemical Communications</i> , <b>2017</b> , 53, 11302-11305	5.8	12
132	Biocatalytic synthesis of C <sub>3</sub> chiral building blocks by chloroperoxidase-catalyzed enantioselective halo-hydroxylation and epoxidation in the presence of ionic liquids. <i>Biotechnology Progress</i> , <b>2015</b> , 31, 724-9	2.8	12
131	Crystalline 3D open-framework halogeno(cyano)cuprates synthesized in ionic liquids. <i>CrystEngComm</i> , <b>2012</b> , 14, 2626	3.3	12
130	Improvement of Chloroperoxidase Catalytic Activities by Chitosan and Thioglycolic Acid. <i>Catalysis Letters</i> , <b>2009</b> , 129, 457-461	2.8	12

- 129 Synthesis, structure and blue luminescent properties of a new silver(I) triazolate coordination polymer with 8210-a topology. *Inorganica Chimica Acta*, **2009**, 362, 1355-1357 2.7 12
- 128 Design and preparation of stable CPO/HRP@H-MOF(Zr) composites for efficient bio-catalytic degradation of organic toxicants in wastewater. *Journal of Chemical Technology and Biotechnology*, **2019**, 94, 1249-1258 3.5 12
- 127 Stable (solid + liquid) phase equilibrium for the ternary system (NaCl + RbCl + H<sub>2</sub>O) at T = (288.15, 298.15 and 308.15) K. *Journal of Chemical Thermodynamics*, **2017**, 106, 256-261 2.9 11
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53	Osmotic and activity coefficient investigation on the CsNO <sub>3</sub> +methanol+water and CsNO <sub>3</sub> +ethanol+water ternary systems at 298.15K. <i>Journal of Molecular Liquids</i> , <b>2014</b> , 195, 205-211	6	3
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43	Phase behavior of tetramethylurea+MCl (M=Na, K, Rb, Cs)+H <sub>2</sub> O systems at 288.2, 298.2 and 308.2K. <i>Journal of Chemical Thermodynamics</i> , <b>2020</b> , 144, 106058	2.9	2
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40	Activity Coefficients for CsBr + MeOH/EtOH + H <sub>2</sub> O Ternary Systems Using Potentiometric Measurements at 298.15 K. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2012</b> , 57, 2603-2609	2.8	2

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37	(Liquid + Solid) Equilibrium, Density, and Refractive Index for (Methanol + Sodium Chloride + Rubidium Chloride + Water) and (Ethanol + Sodium Chloride + Rubidium Chloride + Water) at Temperatures of (288, 298, and 308) K. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2009</b> , 54, 3108-3111	2.8	2
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34	Activity coefficients of CsF in (Urea + H <sub>2</sub> O) or (N-methylformamide + H <sub>2</sub> O) mixed solvents at 298.2 K. <i>Journal of Molecular Liquids</i> , <b>2016</b> , 220, 829-835	6	2
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31	Continuous regulation of the architectures of cupric tetrazolate coordination polymers via the pH and temperature. <i>Journal of Solid State Chemistry</i> , <b>2019</b> , 276, 244-250	3.3	1
30	Solid-Liquid Equilibrium (SLE) for Polyhydric Alcohol + Cs <sub>2</sub> SO <sub>4</sub> + H <sub>2</sub> O Ternary Systems at Different Temperatures. <i>Chemical Engineering Communications</i> , <b>2015</b> , 202, 1304-1315	2.2	1
29	Phase behavior of ionic liquids-cesium carbonate-water aqueous two-phase systems and their extraction of L-tryptophan. <i>Chemical Research in Chinese Universities</i> , <b>2018</b> , 34, 127-131	2.2	1
28	Determination and Correlation of Liquid-Solid Phase Behaviors of Polyhydric Alcohol + KBr + H <sub>2</sub> O Ternary Systems at 288.15, 298.15, and 308.15 K. <i>Chemical Engineering Communications</i> , <b>2016</b> , 203, 136-149	2.2	1
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25	[AgPb <sub>2</sub> I <sub>3</sub> (OH) <sub>2</sub> ]: An unprecedented quaternary heterometallic semiconducting framework synthesized under ionothermal condition. <i>Inorganic Chemistry Communication</i> , <b>2016</b> , 67, 6-9	3.1	1
24	SOLUBILITIES, DENSITIES, AND REFRACTIVE INDICES FOR THE TERNARY SYSTEMS 1,2-PROPYLENE GLYCOL + MNO <sub>3</sub> + H <sub>2</sub> O (M = Na, K, Rb, Cs) AT 25 °C AND 35 °C. <i>Chemical Engineering Communications</i> , <b>2014</b> , 201, 323-337	2.2	1
23	Investigating thermodynamic properties of LiCl in amide-water mixtures with e-increasing and e-decreasing solvent at 298.15K. <i>Fluid Phase Equilibria</i> , <b>2014</b> , 382, 127-132	2.5	1
22	A Luminescent Rod-Packing Organic-Inorganic Hybrid Framework Based on Copper(I) Cyanide Ribbon and 5-(4-Pyridine)tetrazole Ligand. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , <b>2013</b> , 23, 1195-1200	3.2	1

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19	Synthesis, crystal structure, and blue photoluminescence of a 3D coordination polymer based on a Ag <sub>10</sub> cluster with the versatile 2-mercapto-5-benzimidazolesulfonic acid ligand. <i>Journal of Coordination Chemistry</i> , <b>2013</b> , 66, 2316-2324	1.6	1
18	Activity Coefficients of NaCl in Ethylene Glycol-Water Mixtures Using Potentiometric Measurements at 288.15, 298.15 and 308.15 K. <i>Chinese Journal of Chemistry</i> , <b>2011</b> , 29, 2007-2013	4.9	1
17	The improvement of chloroperoxidase activities in the presence of ammonium salts and cationic surfactants. <i>Biotechnology Progress</i> , <b>2010</b> , 26, 1024-8	2.8	1
16	Interaction directed 2D FeNi-LDH nanosheets from 2D Hofmann-MOFs for the oxygen evolution reaction. <i>Journal of Materials Chemistry A</i> , <b>2022</b> , 10, 1815-1820	13	1
15	Carbon foam-supported CoN nanoparticles and carbon nanotubes hybrids as bifunctional reduction electrocatalyst. <i>Catalysis Communications</i> , <b>2022</b> , 163, 106408	3.2	1
14	Enhancement of the fluorescence properties introducing the tetraphenylethylene chromophores into a novel Mn-organic framework with a rare [Mn(OH)] cluster. <i>Dalton Transactions</i> , <b>2021</b> , 50, 17482-17486	4.2	1
13	Recent advancement in BiOI-based nanocomposites for high performance photocatalysts. <i>Chemosphere</i> , <b>2021</b> , 132668	8.4	1
12	Thermodynamic properties of MCl (M = Na, K, Rb, Cs) + tetramethylurea + water ternary system at 298.2 K. <i>Journal of Molecular Liquids</i> , <b>2020</b> , 297, 111924	6	1
11	Phase behaviour of the ternary systems Rb <sub>2</sub> SO <sub>4</sub> (1)-RbBr(2)-H <sub>2</sub> O(3)/Cs <sub>2</sub> SO <sub>4</sub> (1)-CsBr(2)-H <sub>2</sub> O(3) at T = 288.15, 298.15, 308.15 K. <i>Journal of Chemical Thermodynamics</i> , <b>2021</b> , 158, 106468	2.9	1
10	Modulating fluorescence sensing properties of excited-state intramolecular proton transfer (ESIPT)-based metal organic frameworks (MOFs) by metal polarization. <i>CrystEngComm</i> , <b>2022</b> , 24, 2264-2269	2.3	1
9	Design of ultra-stable Yttrium-organic framework adsorbents for efficient methane purification and storage. <i>Separation and Purification Technology</i> , <b>2022</b> , 283, 120211	8.3	0
8	Amide-Functionalized Metal-Organic Frameworks Coupled with Open Fe/Sc Sites for Efficient Acetylene Purification. <i>Inorganic Chemistry</i> , <b>2021</b> , 60, 18473-18482	5.1	0
7	Phase Behavior of N-Methylpyrrolidone + MCl (M = Na, K, Rb, Cs) + H <sub>2</sub> O Systems at 288.2, 298.2, and 308.2 K. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2021</b> , 66, 2105-2113	2.8	0
6	Indium-based MOFs and carbon nanotube embedded efficient cathodes for high-performance lithium-sulfur batteries. <i>Ionics</i> , <b>2021</b> , 27, 5115	2.7	0
5	Enzymatic biosensor for nitrite detection based on direct electron transfer by CPO-ILEMB/Au@MoS <sub>2</sub> /GC. <i>Journal of Applied Electrochemistry</i> , 1	2.6	0
4	Determination of the Activity Coefficients of LiCl in Polyhydric Alcohols-Water Mixtures at 298.15 K. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2015</b> , 60, 697-706	2.8	

- 3 The evolution of bimetal hydroxide fragments from brucite to goethite in metal-organic frameworks for enhanced oxygen evolution reaction. *Journal of Solid State Chemistry*, **2020**, 292, 121751<sup>3,3</sup>
- 2 Construction of Some Organic-Inorganic Hybrid Complexes Based on Polyoxometalates<sup>87-110</sup>
- 1 Activity Coefficients of RbF in the RbF + RbBr + H<sub>2</sub>O and RbF + RbNO<sub>3</sub> + H<sub>2</sub>O Ternary Systems Using the Potentiometric Method at 298.2 K. *Journal of Chemical & Engineering Data*, **2016**, 61, 3481-3487<sup>2,8</sup>