

# Dunru Zhu

## List of Publications by Year in descending order

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69  
papers

2,274  
citations

279798

23  
h-index

223800

46  
g-index

77  
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77  
docs citations

77  
times ranked

2311  
citing authors

#	ARTICLE	IF	CITATIONS
1	Heteropolyanion-Based Ionic Liquids: Reaction-Induced Self-Separation Catalysts for Esterification. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 168-171.	13.8	372
2	A New Class of Metal-Cyclam-Based Zirconium Metal-Organic Frameworks for CO <sub>2</sub> Adsorption and Chemical Fixation. <i>Journal of the American Chemical Society</i> , 2018, 140, 993-1003.	13.7	176
3	Polyoxometalate-based amino-functionalized ionic solid catalysts lead to highly efficient heterogeneous epoxidation of alkenes with H <sub>2</sub> O <sub>2</sub> . <i>Green Chemistry</i> , 2011, 13, 1636.	9.0	136
4	Sulfonated organic heteropolyacid salts: Recyclable green solid catalysts for esterifications. <i>Journal of Molecular Catalysis A</i> , 2009, 313, 1-6.	4.8	101
5	Facile synthesis of a water stable 3D Eu-MOF showing high proton conductivity and its application as a sensitive luminescent sensor for Cu <sup>2+</sup> ions. <i>Journal of Materials Chemistry A</i> , 2016, 4, 16484-16489.	10.3	99
6	A Novel Bis(trans-thiocyanate)iron(II) Spin-Transition Molecular Material with Bidentate Triaryltriazole Ligands and Its Bis(cis-thiocyanate)iron(II) High-Spin Isomer. <i>Chemistry of Materials</i> , 2002, 14, 838-843.	6.7	91
7	Heteropolyanion-based ionic hybrid solid: A green bulk-type catalyst for hydroxylation of benzene with hydrogen peroxide. <i>Chemical Engineering Journal</i> , 2011, 173, 620-626.	12.7	85
8	Zeolitic imidazolate framework-8 as sorbent of micro-solid-phase extraction to determine estrogens in environmental water samples. <i>Journal of Chromatography A</i> , 2013, 1291, 27-32.	3.7	84
9	Heteropolyacid salts of N-methyl-2-pyrrolidonium as highly efficient and reusable catalysts for Prins reactions of styrenes with formalin. <i>Green Chemistry</i> , 2011, 13, 832.	9.0	66
10	Phosphotungstic acid salt of triphenyl(3-sulfopropyl)phosphonium: An efficient and reusable solid catalyst for esterification. <i>Catalysis Communications</i> , 2009, 11, 151-154.	3.3	64
11	A 3D MOF showing unprecedented solvent-induced single-crystal-to-single-crystal transformation and excellent CO <sub>2</sub> adsorption selectivity at room temperature. <i>Chemical Communications</i> , 2014, 50, 15886-15889.	4.1	46
12	Two New Three-Dimensional Porous Polyoxometalates with Typical ACO Topological Open Frameworks: $\{[\text{Cu}_4\text{V}_3\text{IV}_5\text{VO}_4(\text{NO}_3)(\text{C}_3\text{H}_10\text{N}_2)_8] \cdot 10\text{H}_2\text{O}\}_n$ and $\{[\text{Cu}_4\text{V}_3\text{IV}_6\text{VO}_4(\text{SO}_4)(\text{C}_3\text{H}_10\text{N}_2)_8] \cdot 10\text{H}_2\text{O}\}_n$ . <i>Crystal Growth and Design</i> , 2007, 7, 925-929.	3.0	45
13	An unprecedented 3D/3D hetero-interpenetrated MOF built from two different nodes, chemical composition, and topology of networks. <i>CrystEngComm</i> , 2012, 14, 5720.	2.6	43
14	Two 3D Coordination Frameworks Based on Nanosized Huge Ln <sub>26</sub> (Ln = Dy and Gd) Spherical Clusters. <i>Crystal Growth and Design</i> , 2010, 10, 2548-2552.	3.0	42
15	(C <sub>2</sub> H <sub>8</sub> N) <sub>9</sub> [Eu <sub>5</sub> (SO <sub>4</sub> ) <sub>12</sub> ]·2H <sub>2</sub> O: the first europium sulfate open-framework containing two kinds of intersecting extra-large 20-membered ring channels. <i>CrystEngComm</i> , 2010, 12, 694-696.	2.6	32
16	Crystal and molecular structure of a novel complex [Mn(MOBPT)(H <sub>2</sub> O) <sub>2</sub> (NCS) <sub>2</sub> ] (MOBPT=4-(p)TjETQq000rgBT / Overlock 10 Tf 5	3.6	31
17	Solvothermal syntheses, crystal structures and luminescence properties of three new lanthanide sulfate fluorides. <i>Dalton Transactions</i> , 2010, 39, 3681.	3.3	31
18	(C <sub>4</sub> N <sub>2</sub> H <sub>12</sub> ) <sub>3</sub> [Ln <sub>3</sub> (OH)(SO <sub>4</sub> ) <sub>7</sub> ] (Ln = Sm, Eu, and Tb): A Series of Honeycomb-like Open-Framework Lanthanide Sulfates with Extra-Large Channels Containing 24-Membered Rings. <i>Inorganic Chemistry</i> , 2013, 52, 3253-3258.	4.0	31

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19	Solvothermal Synthesis, Crystal Structure and Properties of a New Organic Templated Lanthanum Sulfate [C <sub>4</sub> N <sub>3</sub> H <sub>16</sub> ][La(SO <sub>4</sub> ) <sub>3</sub> (H <sub>2</sub> O)]. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2008, 634, 545-548.	1.2	25
20	Ln(HCO <sub>2</sub> )(SO <sub>4</sub> )(H <sub>2</sub> O) <sub>2</sub> (Ln = La, Tj ETQq0 0 0 rgBT /Overl [Ln(O) <sub>2</sub> ] <sup>2-</sup> Helices. Inorganic Chemistry, 2012, 51, 13373-13379.	4.0	24
21	Highly Water Stable Lanthanide Metal-Organic Frameworks Constructed from 2,2'-Disulfonyl-4,4'-biphenyldicarboxylic Acid: Syntheses, Structures, and Properties. Crystal Growth and Design, 2017, 17, 5524-5532.	3.0	24
22	Synthesis, crystal structure and magnetic property of the novel dinuclear nickel(II) complex with 4-(p-methoxyphenyl)-3,5-bis(pyridine-2-yl)-1,2,4-triazole. Transition Metal Chemistry, 2007, 32, 711-715.	1.4	23
23	Solvothermal Synthesis, Crystal Structure and Properties of the First Organic-templated Holmium Sulfate [C <sub>2</sub> N <sub>2</sub> H <sub>10</sub> ] <sub>3</sub> [Ho <sub>2</sub> (SO <sub>4</sub> ) <sub>6</sub> ·2H <sub>2</sub> O]. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2009, 635, 572-576.	1.2	23
24	Three 3D lanthanide-organic frameworks with sra topology: syntheses, structures, luminescence and magnetic properties. CrystEngComm, 2014, 16, 2779.	2.6	23
25	Two octamolybdate-based complexes: hydrothermal synthesis, structural characterization and properties. CrystEngComm, 2014, 16, 82-88.	2.6	22
26	Two novel mixed Eu <sup>3+</sup> /Y <sup>3+</sup> Ln MOFs: influence of pH on the topology, Eu/Y ratio and energy transfer. CrystEngComm, 2014, 16, 5681-5688.	2.6	22
27	Cu-catalyzed direct C-H bond functionalization: a regioselective protocol to 5-aryl thiazolo[3,2-b]-1,2,4-triazoles. Organic and Biomolecular Chemistry, 2013, 11, 1390.	2.8	21
28	Three New Organically Templated 1D, 2D, and 3D Vanadates: Synthesis, Crystal Structures, and Characterizations. Inorganic Chemistry, 2008, 47, 567-571.	4.0	20
29	Solvothermal synthesis, crystal structure and luminescence of the first organic amine templated europium sulfate. Inorganica Chimica Acta, 2009, 362, 2565-2568.	2.4	20
30	Hydrothermal synthesis, structure, and properties of two new nanosized Ln <sub>26</sub> (Ln = Ho, Ho.) Tj ETQq0 0 0 rgBT /Overl	2.2	20
31	[Ni(C <sub>17</sub> H <sub>20</sub> N <sub>4</sub> ) <sub>4</sub> ][H <sub>5</sub> PMoVI <sub>8</sub> VIV <sub>4</sub> O <sub>40</sub> (VIVO) <sub>2</sub> ·8H <sub>2</sub> O]: confinement of heteropoly anions in Ni-containing rigid concave surfaces with high catalytic activity in the oxidation of styrene. CrystEngComm, 2012, 14, 5148.	2.6	20
32	Solvothermal synthesis, crystal structure and properties of a novel 1-D organic amine templated holmium sulfate. Inorganica Chimica Acta, 2009, 362, 3299-3302.	2.4	19
33	Porosity regulation of metal-organic frameworks for high proton conductivity by rational ligand design: mono- versus disulfonyl-4,4'-biphenyldicarboxylic acid. Inorganic Chemistry Frontiers, 2022, 9, 1134-1142.	6.0	19
34	Spin-crossover in a trans-[FeL <sub>2</sub> (NCS) <sub>2</sub> ] family (L = triaryltriazole): remote substituent effects on spin transition modes and temperature. Dalton Transactions, 2013, 42, 10144.	3.3	18
35	Second structural directing agent induces the formation of 1D organic templated terbium sulfate. CrystEngComm, 2011, 13, 2714.	2.6	17
36	Solvothermal synthesis, crystal structure and luminescence property of a new 1D organic amine templated europium sulfate with helical chains. Inorganic Chemistry Communication, 2011, 14, 906-909.	3.9	17

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37	Effects of organoamine template and transition metal coordination mode on the self-assembly of reduced polyoxomolybdenum phosphate. <i>CrystEngComm</i> , 2011, 13, 5133.	2.6	16
38	Syntheses, structures and properties of two 2-D layered hybrid organic–inorganic materials based on different $V_4O_{12}$ building units. <i>Dalton Transactions</i> , 2014, 43, 865-871.	3.3	16
39	Hydrothermal synthesis, crystal structure and luminescence of two new 2D coordination polymers $[Ln(IN)(CO_3)(H_2O)]$ (LnLa, Eu) constructed by interesting flat lanthanide carbonate layers. <i>Inorganic Chemistry Communication</i> , 2012, 21, 80-83.	3.9	15
40	Synthesis and Study of Three Novel Macrocyclic Seleno[7,7]ferrocenophanes Containing a Naphthalene Unit. <i>Inorganic Chemistry</i> , 2013, 52, 5786-5793.	4.0	15
41	Solvothermal Synthesis, Crystal Structure, and Properties of a New Organic-Templated Holmium Sulfate with 1D Single Ladder Chains. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2010, 636, 882-885.	1.2	14
42	Structural systematic design of organic templated samarium sulfates and their luminescence property. <i>RSC Advances</i> , 2012, 2, 217-225.	3.6	14
43	Title is missing!. <i>Transition Metal Chemistry</i> , 2000, 25, 589-593.	1.4	13
44	Preparation, crystal structure and thermal hazard analysis of $[aqua(1/45-N-(tetrazole-5-ylacetato)-N-(tetrazole-5-yl-2-acetato)amine-1/7O:O1^2,O2,N3,N4,O4:O4^2)lead(II)]$ . <i>Thermochimica Acta</i> , 2019, 672, 9-13.		13
45	Hydrothermal synthesis and characterization of a $Na^+$ templated new 3-D lanthanum sulfate $Na[C_6H_{14}N_2][La_3(SO_4)_6(H_2O)_3]$ constructed from $La^3+$ tubes and cubic cages. <i>Inorganic Chemistry Communication</i> , 2011, 14, 258-260.	3.9	12
46	Hydrothermal synthesis, structure characterization and catalytic property of a zigzag chain structural cluster compound built on the novel tetra-capped and centered by NiII. <i>Inorganic Chemistry Communication</i> , 2011, 14, 1314-1317.	3.9	12
47	A series of new rare earth sulfates based on lanthanide contraction and dual organic-amine templating effects. <i>CrystEngComm</i> , 2012, 14, 6627.	2.6	12
48	Macrocyclic $Se_4N_2[7,7]$ ferrocenophane and $Se_2N[10]$ ferrocenophane containing benzyl unit: synthesis, complexation, crystal structures, electrochemical and optical properties. <i>Dalton Transactions</i> , 2016, 45, 3417-3428.	3.3	12
49	Three-Component Reaction of p-Quinone Monoacetals, Amines and Diarylphosphine Oxides to Afford $\epsilon$ -(Phosphinyl)anilides. <i>Advanced Synthesis and Catalysis</i> , 2020, 362, 942-948.	4.3	12
50	$\{[VIV_4V_4O_{42}(H_2O)] [Ni(C_4N_3H_{13})(C_4N_3H_{14})]_4(H_2O)_6\}^{4+}$ : a novel nanosized calix-type polyoxovanadate cation. <i>CrystEngComm</i> , 2011, 13, 2191.	2.6	11
51	Hydrothermal synthesis, characterization, and luminescence of two new arsenic–vanadium compounds with a $[As_8V_{14}O_{42}(H_2O)_4]^{4-}$ anion. <i>Journal of Coordination Chemistry</i> , 2011, 64, 1198-1206.	2.2	11
52	Unprecedented three-dimensional hydrogen-bonded hex topological chiral lanthanide–organic frameworks built from an achiral ligand. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2018, 74, 1403-1412.	0.5	11
53	Syntheses, crystal structures, and spectral characterization of an asymmetrically substituted 1,2,4-triazole and its iron(II) complex. <i>Journal of Coordination Chemistry</i> , 2013, 66, 2875-2884.	2.2	10
54	$[Ln_4@Ln_4]$ matryoshka tetrahedron: a novel secondary building unit. <i>CrystEngComm</i> , 2016, 18, 863-867.	2.6	10

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55	Hydrothermal syntheses and crystal structures of two new phosphomolybdates based on an organoamine template. <i>Journal of Coordination Chemistry</i> , 2010, 63, 4215-4225.	2.2	9
56	Syntheses, crystal structures, and spectral characterization of two new Cu(II) and Co(II) complexes with an asymmetrical substituted triaryltriazole. <i>Journal of Coordination Chemistry</i> , 2011, 64, 3980-3991.	2.2	9
57	One-pot three-component reaction of p-quinone monoacetals, l-proline and naphthols to afford N-aryl-2-arylpyrrolidines. <i>Organic Chemistry Frontiers</i> , 2021, 8, 297-303.	4.5	9
58	Hydrothermal Syntheses and Crystal Structures of Two New Vanadium Phosphates. <i>Journal of Cluster Science</i> , 2012, 23, 177-187.	3.3	8
59	Topological identification of the first uninodal 8-connected lsz MOF built from 2,2'-difluorobiphenyl-4,4'-dicarboxylate pillars and cadmium(II)-triazolate layers. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2018, 74, 256-262.	0.5	8
60	[NH <sub>3</sub> ] <sub>2</sub> (CH <sub>2</sub> ) <sub>6</sub> NH <sub>3</sub> ][P <sub>2</sub> V <sub>5</sub> O <sub>17</sub> ] $\cdot$ 3.83H <sub>2</sub> O A new 3D Organic-templated Vanadophosphate with Extra-large 16-Membered Ring Constructed from Nanosized P <sub>2</sub> O <sub>7</sub> Wheels. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2010, 636, 1576-1579.	1.2	7
61	Creative Construction of a Series of Chiral 3D Indium-Organic Frameworks with a umy Topology. <i>Inorganic Chemistry</i> , 2021, 60, 9-13.	4.0	7
62	Hydrothermal synthesis, crystal structure and properties of two new coordination polymers structured by two mixed ligands and strict quadrangular {Ln <sub>3</sub> } <sub>8</sub> Units (Ln=Er and Ho). <i>Inorganic Chemistry Communication</i> , 2012, 21, 182-185.	3.9	5
63	Three novel topologically different metal-organic frameworks built from 3-nitro-4-(pyridin-4-yl)benzoic acid. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2019, 75, 150-160.	0.5	5
64	Two topologically different 3D Cu <sup>II</sup> metal-organic frameworks assembled from the same ligands: control of reaction conditions. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2019, 75, 1060-1068.	1.1	5
65	Metal-Free Synthetic Shortcut to Octahydro-Dipyrroloquinoline Skeletons from 2,5-Cyclohexadienone Derivatives and l-Proline. <i>Journal of Organic Chemistry</i> , 2021, 86, 10397-10406.	3.2	5
66	Pyrrolidine-Catalyzed Annulations of Quinone Monoacetals with Naphthols: Synthesis of 2-Oxabicyclo[3.3.1]nonane Skeletons, Transformations and Reaction Mechanism. <i>Advanced Synthesis and Catalysis</i> , 2022, 364, 622-636.	4.3	5
67	Hydrothermal Synthesis and Structure of a New Three-Dimensional Inorganic-Organic Hybrid Polyoxomolybdate Based on Keggin Cluster Units. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2008, 634, 1197-1200.	1.2	4
68	An Unprecedented Bird Nest Molybdenum(V) Cobalto-Phosphate Nanosized Wheel Constructed from the [H <sub>55</sub> (Mo <sub>24</sub> O <sub>48</sub> )(Co <sub>4</sub> O) <sub>2</sub> Co <sub>16</sub> (PO <sub>4</sub> ) <sub>42</sub> (py) <sub>6</sub> (EtOH) <sub>2</sub> (H <sub>2</sub> O) <sub>11</sub> ] <sup>3-</sup> Anion. <i>Chemistry - A European Journal</i> , 2021, 27, 1301-1305.	3.3	4
69	Synthesis, Structure and High Thermal Stability of a Novel Three-dimensional Zinc(II) Complex with an Unsymmetrical Rigid-flexible Ligand. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2010, 636, 1129-1132.	1.2	3