

# He-Rui Wen

## List of Publications by Year in descending order

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109  
papers

3,584  
citations

147566

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109  
docs citations

109  
times ranked

2498  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Zn <sup>II</sup> -Based Metal-Organic Framework with a Rare <i>tj</i> Topology as a Turn-On Fluorescent Sensor for Acetylacetone. <i>Inorganic Chemistry</i> , 2019, 58, 3578-3581.	1.9	256
2	2D Conductive Metal-Organic Frameworks: An Emerging Platform for Electrochemical Energy Storage. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 5612-5624.	7.2	198
3	Turn-On Luminescent Sensor toward Fe <sup>3+</sup> , Cr <sup>3+</sup> , and Al <sup>3+</sup> Based on a Co(II) Metal-Organic Framework with Open Functional Sites. <i>Inorganic Chemistry</i> , 2020, 59, 2803-2810.	1.9	183
4	Unusual High-Temperature Reversible Phase-Transition Behavior, Structures, and Dielectric-Ferroelectric Properties of Two New Crown Ether Clathrates. <i>Journal of the American Chemical Society</i> , 2015, 137, 13345-13351.	6.6	148
5	Temperature- and vapor-induced reversible single-crystal-to-single-crystal transformations of three 2D/3D Gd <sup>III</sup> -organic frameworks exhibiting significant magnetocaloric effects. <i>Dalton Transactions</i> , 2017, 46, 64-70.	1.6	119
6	Tricarboxylate-based Gd <sup>III</sup> coordination polymers exhibiting large magnetocaloric effects. <i>Dalton Transactions</i> , 2016, 45, 9209-9215.	1.6	106
7	Synthesis, Characterization, and Photophysical Properties of Heteroleptic Copper(I) Complexes with Functionalized 3-(2-Pyridyl)-1,2,4-triazole Chelating Ligands. <i>Inorganic Chemistry</i> , 2013, 52, 9727-9740.	1.9	92
8	Synthesis process and luminescence properties of Tm <sup>3+</sup> in AWO <sub>4</sub> (A=Ca, Sr, Ba) blue phosphors. <i>Journal of Alloys and Compounds</i> , 2009, 487, 758-762.	2.8	89
9	C-H activation derived CPPs for photocatalytic hydrogen production excellently accelerated by a DMF cosolvent. <i>Journal of Materials Chemistry A</i> , 2019, 7, 24222-24230.	5.2	73
10	3d-4f heterometallic trinuclear complexes derived from amine-phenol tripodal ligands exhibiting magnetic and luminescent properties. <i>Dalton Transactions</i> , 2017, 46, 1153-1162.	1.6	69
11	Three-dimensional two-fold interpenetrated Cr <sup>III</sup> -Gd <sup>III</sup> heterometallic framework as an attractive cryogenic magnetorefrigerant. <i>CrystEngComm</i> , 2015, 17, 7270-7275.	1.3	68
12	Highly selective and turn-on fluorescence probe with red shift emission for naked-eye detecting Al <sup>3+</sup> and Ga <sup>3+</sup> based on metal-organic framework. <i>Chinese Chemical Letters</i> , 2022, 33, 541-546.	4.8	65
13	Temperature- and solvent-induced reversible single-crystal-to-single-crystal transformations of Tb <sup>III</sup> -based MOFs with excellent stabilities and fluorescence sensing properties toward drug molecules. <i>Inorganic Chemistry Frontiers</i> , 2022, 9, 1504-1513.	3.0	64
14	Large magnetic entropy changes in three Gd <sup>III</sup> coordination polymers containing Gd <sup>III</sup> chains. <i>New Journal of Chemistry</i> , 2017, 41, 8598-8603.	1.4	62
15	A Benzothiadiazole-Based Eu <sup>3+</sup> Metal-Organic Framework as the Turn-On Luminescent Sensor toward Al <sup>3+</sup> and Ga <sup>3+</sup> with Potential Bioimaging Application. <i>Inorganic Chemistry</i> , 2022, 61, 3607-3615.	1.9	61
16	2D MOF with electrochemical exfoliated graphene for nonenzymatic glucose sensing: Central metal sites and oxidation potentials. <i>Analytica Chimica Acta</i> , 2020, 1122, 9-19.	2.6	60
17	A Cd <sup>II</sup> -Based Metal-Organic Framework with <i>pcu</i> Topology as Turn-On Fluorescent Sensor for Al <sup>3+</sup> . <i>Chemistry - an Asian Journal</i> , 2019, 14, 3648-3654.	1.7	58
18	Spin-Canted Antiferromagnetic Ordering in Transition Metal-Organic Frameworks Based on Tetranuclear Clusters with Mixed V- and Y-Shaped Ligands. <i>Crystal Growth and Design</i> , 2017, 17, 4757-4765.	1.4	57

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19	First observation of mutual energy transfer of Mn <sup>4+</sup> →Er <sup>3+</sup> via different excitation in Gd <sub>2</sub> ZnTiO <sub>6</sub> :Mn <sup>4+</sup> /Er <sup>3+</sup> phosphors. <i>Journal of Materials Chemistry C</i> , 2017, 5, 9098-9105.	2.7	57
20	Photoluminescence green in microspheres of CaWO <sub>4</sub> :Tb <sup>3+</sup> processed in conventional hydrothermal. <i>Optical Materials</i> , 2009, 31, 1513-1516.	1.7	53
21	Two Gd <sup>III</sup> complexes derived from dicarboxylate ligands as cryogenic magnetorefrigerants. <i>New Journal of Chemistry</i> , 2015, 39, 6970-6975.	1.4	52
22	Family of Chiral Zn <sup>II</sup> →Ln <sup>III</sup> (Ln = Dy and Tb) Heterometallic Complexes Derived from the Amine→Phenol Ligand Showing Multifunctional Properties. <i>Inorganic Chemistry</i> , 2020, 59, 2811-2824.	1.9	50
23	Dicarboxylate-induced structural diversity of luminescent Zn <sup>II</sup> /Cd <sup>II</sup> coordination polymers derived from V-shaped bis-benzimidazole. <i>CrystEngComm</i> , 2018, 20, 5822-5832.	1.3	49
24	2D Conductive Metal→Organic Frameworks: An Emerging Platform for Electrochemical Energy Storage. <i>Angewandte Chemie</i> , 2021, 133, 5672-5684.	1.6	45
25	Luminescent dinuclear copper(II) complexes bearing 1,4-bis(diphenylphosphino)butane and functionalized 3-(2-pyridyl)pyrazole mixed ligands. <i>Dalton Transactions</i> , 2016, 45, 696-705.	1.6	44
26	Stable Lanthanide Metal→Organic Frameworks with Ratiometric Fluorescence Sensing for Amino Acids and Tunable Proton Conduction and Magnetic Properties. <i>Inorganic Chemistry</i> , 2022, 61, 6819-6828.	1.9	44
27	Multifunctional Zn(II)→Yb(III) complex enantiomers showing second-harmonic generation, near-infrared luminescence, single-molecule magnet behaviour and proton conduction. <i>Journal of Materials Chemistry C</i> , 2020, 8, 16032-16041.	2.7	41
28	One-step rapid synthesis of ĩ-conjugated large oligomers via C→H activation coupling. <i>Organic Chemistry Frontiers</i> , 2018, 5, 653-661.	2.3	39
29	Luminescence properties of monodispersed spherical BaWO <sub>4</sub> :Eu <sup>3+</sup> microphosphors for white light-emitting diodes. <i>Journal of Materials Science</i> , 2011, 46, 1184-1189.	1.7	37
30	Synthesis, structures and magnetocaloric properties of two dinuclear Gd <sup>III</sup> clusters derived from monocarboxylate ligands. <i>Polyhedron</i> , 2016, 113, 96-101.	1.0	37
31	Luminescent Three- and Four-Coordinate Dinuclear Copper(I) Complexes Triply Bridged by Bis(diphenylphosphino)methane and Functionalized 3-(2-pyridyl)-1,2,4-triazole Ligands. <i>Inorganic Chemistry</i> , 2017, 56, 10311-10324.	1.9	36
32	A multifunctional benzothiadiazole-based fluorescence sensor for Al <sup>3+</sup> , Cr <sup>3+</sup> and Fe <sup>3+</sup> . <i>CrystEngComm</i> , 2021, 23, 1898-1905.	1.3	36
33	Ultra-Stable Metal→Organic Framework with Concurrent High Proton Conductivity and Fluorescence Sensing for Nitrobenzene. <i>Chemistry of Materials</i> , 2021, 33, 7858-7868.	3.2	35
34	Reversible phase transition and switchable dielectric behaviors triggered by rotation and order-disorder motions of crowns. <i>Dalton Transactions</i> , 2018, 47, 3851-3856.	1.6	33
35	Yb <sup>3+</sup> concentration dependence of upconversion luminescence in Y <sub>2</sub> Sn <sub>2</sub> O <sub>7</sub> :Yb <sup>3+</sup> /Er <sup>3+</sup> nanophosphors. <i>Journal of Materials Science</i> , 2014, 49, 6081-6086.	1.7	31
36	Synthesis, structure, and photophysics of copper(II) triphenylphosphine complexes with functionalized 3-(2-pyrimidinyl)-1,2,4-triazole ligands. <i>Dalton Transactions</i> , 2017, 46, 13077-13087.	1.6	30

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37	Synthesis and optimum luminescence of monodispersed spheres for BaWO <sub>4</sub> -based green phosphors with doping of Tb <sup>3+</sup> . <i>Journal of Luminescence</i> , 2010, 130, 762-766.	1.5	29
38	Reversible Mechanochromic Luminescence of Tetranuclear Cuprous Complexes. <i>Inorganic Chemistry</i> , 2020, 59, 17213-17223.	1.9	29
39	Growth of single-crystalline SnO <sub>2</sub> nanocubes via a hydrothermal route. <i>CrystEngComm</i> , 2010, 12, 341-343.	1.3	28
40	Mechanochromic luminescent materials of bimetallic Cu( <i>scp</i> ) complexes showing thermally activated delayed fluorescence. <i>Journal of Materials Chemistry C</i> , 2020, 8, 16160-16167.	2.7	28
41	A novel Cd <sup>II</sup> -based metal-organic framework as a multi-responsive luminescent sensor for Fe <sup>3+</sup> , MnO <sub>4</sub> <sup>-</sup> , Cr <sub>2</sub> O <sub>7</sub> <sup>2-</sup> , salicylaldehyde and ethylenediamine detection with high selectivity and sensitivity. <i>CrystEngComm</i> , 2021, 23, 482-491.	1.3	28
42	A Sublimable Dinuclear Cuprous Complex Showing Selective Luminescence Vapochromism in the Crystalline State. <i>Inorganic Chemistry</i> , 2019, 58, 14478-14489.	1.9	26
43	Three Gd-Based Metal-Organic Frameworks Constructed from Similar Dicarboxylate Ligands with Large Magnetic Entropy Changes. <i>ChemistrySelect</i> , 2017, 2, 10673-10677.	0.7	25
44	Recent advances in lanthanide coordination polymers and clusters with magnetocaloric effect or single-molecule magnet behavior. <i>Dalton Transactions</i> , 2021, 50, 15473-15487.	1.6	24
45	A Highly Efficient Luminescent Metal-Organic Framework with Strong Conjugate Unit for Sensing Small Molecules. <i>Chinese Journal of Chemistry</i> , 2022, 40, 1305-1312.	2.6	24
46	Synthesis and luminescence properties of a novel double-perovskite Ca <sub>2</sub> ScTaO <sub>6</sub> :Mn <sup>4+</sup> far-red phosphor used for plant growth lighting. <i>Optical Materials</i> , 2020, 109, 110274.	1.7	23
47	Luminescent Metal-Organic Framework-Based Fluorescence Turn-On and Red-Shift Sensor toward Al <sup>3+</sup> and Ca <sup>3+</sup> : Experimental Study and DFT Calculation. <i>Crystal Growth and Design</i> , 2022, 22, 277-284.	1.4	23
48	Temperature-controlled polymorphism of chiral Cu <sup>II</sup> -Ln <sup>III</sup> dinuclear complexes exhibiting slow magnetic relaxation. <i>Dalton Transactions</i> , 2015, 44, 11191-11201.	1.6	22
49	Two di- and trinuclear Gd(III) clusters derived from monocarboxylates exhibiting significant magnetic entropy changes. <i>Polyhedron</i> , 2017, 121, 180-184.	1.0	22
50	A proton conductor showing an indication of single-ion magnet behavior based on a mononuclear Dy( <i>scp</i> ) complex. <i>Journal of Materials Chemistry C</i> , 2021, 9, 481-488.	2.7	21
51	A fluorescence red-shift and turn-on sensor for acetylacetone derived from Zn <sup>II</sup> -based metal-organic framework with new topology. <i>CrystEngComm</i> , 2021, 23, 2532-2537.	1.3	21
52	Luminescent monometallic Cu( <i>scp</i> ) triphenylphosphine complexes based on methylated 5-trifluoromethyl-3-(2- $\epsilon$ -pyridyl)-1,2,4-triazole ligands. <i>New Journal of Chemistry</i> , 2016, 40, 5325-5332.	1.4	20
53	Reversible structural phase transition, ferroelectric and switchable dielectric properties of an adduct molecule of hexamethylenetetramine ferrocene carboxylic acid. <i>RSC Advances</i> , 2017, 7, 41369-41375.	1.7	20
54	Sol-gel preparation and near-infrared emission properties of Yb <sup>3+</sup> sensitized by Mn <sup>4+</sup> in double-perovskite La <sub>2</sub> ZnTiO <sub>6</sub> . <i>Optical Materials</i> , 2018, 84, 82-88.	1.7	20



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73	Lanthanide-based metal-organic framework materials as bifunctional fluorescence sensors toward acetylacetone and aspartic acid. <i>CrystEngComm</i> , 2022, 24, 2464-2471.	1.3	14
74	Charge compensation on the luminescence properties of ZnWO <sub>4</sub> :Tb <sup>3+</sup> phosphors via hydrothermal synthesis. <i>Optik</i> , 2013, 124, 5057-5060.	1.4	13
75	Heterobimetallic copper complexes bearing both 1,1-bis(diphenylphosphino)ferrocene and functionalized 3-(2-pyridyl)-1,2,4-triazole. <i>New Journal of Chemistry</i> , 2019, 43, 4261-4271.	1.4	12
76	One-Pot Synthesis of 3-to 15-Mer $\pi$ -Conjugated Discrete Oligomers with Widely Tunable Optical Properties. <i>Chinese Journal of Chemistry</i> , 2021, 39, 577-584.	2.6	12
77	Novel Diketopyrrolopyrrole-Based $\pi$ -Conjugated Molecules Synthesized Via One-Pot Direct Arylation Reaction. <i>Molecules</i> , 2019, 24, 1760.	1.7	11
78	A family of nickel-lanthanide heterometallic dinuclear complexes derived from a chiral Schiff-base ligand exhibiting single-molecule magnet behaviors. <i>Inorganica Chimica Acta</i> , 2015, 435, 274-282.	1.2	10
79	Organic-Inorganic Hybrid ([BrCH <sub>2</sub> CH <sub>2</sub> N(CH <sub>3</sub> ) <sub>3</sub> ] <sup>+</sup> ) <sub>2</sub> [CdBr <sub>4</sub> ] <sup>2-</sup> with Unusual Ferroelectric and Switchable Dielectric Bifunctional Properties over Different Temperature Range. <i>Chemistry - an Asian Journal</i> , 2020, 15, 1621-1626.	1.7	10
80	A Three-Dimensional Porous Mn(II)-Metal-Organic Framework Based on a Caged Structure Showing High Room-Temperature Proton Conductivity. <i>Crystal Growth and Design</i> , 2022, 22, 1045-1053.	1.4	10
81	Stable bifunctional Zn <sup>II</sup> -based sensor toward acetylacetone and <i>l</i> -histidine via a fluorescence red shift and turn-on effect. <i>CrystEngComm</i> , 2022, 24, 1744-1751.	1.3	10
82	Palladium-Catalyzed Two-Component Domino Coupling Reaction of <i>Z</i> -Bromostyrenes with Norbornenes: Synthesis of 1,5-Diynes. <i>Advanced Synthesis and Catalysis</i> , 2016, 358, 1873-1879.	2.1	9
83	Sequence-controlled supramolecular copolymer constructed by self-sorting assembly of multiple noncovalent interactions. <i>Organic Chemistry Frontiers</i> , 2021, 8, 1117-1124.	2.3	9
84	Reversible Structural Phase Transition and Dielectric Switches Induced by Disordering-Ordering Motion of Tetrachloroferrate (III) Anions. <i>ChemistrySelect</i> , 2017, 2, 8168-8172.	0.7	8
85	Exceptional second harmonic generation responses, switchable dielectric behaviours, and ferroelectric property in an adduct of hexamethylene-tetramine-bisnopic acid. <i>Chemical Physics</i> , 2018, 502, 66-71.	0.9	8
86	Multifunctional Lanthanide Complexes Based on Tetraazacyclolamidophenol Ligand with Field-Induced Slow Magnetic Relaxation, Luminescent and SHG Properties. <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 1406-1412.	1.0	8
87	A tricolor-switchable stimuli-responsive luminescent binuclear Cu complex with switchable NH <sup>+</sup> ⋯O interactions. <i>Inorganic Chemistry Frontiers</i> , 2022, 9, 2305-2314.	3.0	8
88	Switchable Dielectric Behaviors, Heat Anomalies and Ferroelastic Property of [Zn(en) <sub>3</sub> ]SO <sub>4</sub> . <i>ChemistrySelect</i> , 2017, 2, 774-778.	0.7	7
89	2 p-4 f MOFs based on naphthalene-1,4,5,8-tetracarboxylate with magnetocaloric effect and slow magnetic relaxation properties. <i>Polyhedron</i> , 2017, 132, 123-129.	1.0	7
90	Chiral mononuclear Dy(III) complex based on pyrrolidine-dithiocarboxylate S-donors with field-induced single-ion magnet behavior. <i>Inorganica Chimica Acta</i> , 2018, 473, 145-151.	1.2	7



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91	One-pot synthesis of long-chain monodisperse $\pi$ -conjugated oligomers terminated by C-H or C-Br bonds. <i>Dyes and Pigments</i> , 2020, 172, 107819.	2.0	7
92	A family of lanthanide metal-organic frameworks based on a redox-active tetrathiafulvalene-dicarboxylate ligand showing slow relaxation of magnetisation and electronic conductivity. <i>Dalton Transactions</i> , 2021, 50, 14714-14723.	1.6	7
93	Rapid 16S rDNA electrochemical sensor for detection of bacteria based on the integration of target-triggered hairpin self-assembly and tripedal DNA walker amplification. <i>Analytica Chimica Acta</i> , 2022, 1190, 339266.	2.6	7
94	<i>In situ</i> synthesis, crystal structures, and luminescence of two new tetrazole complexes. <i>Journal of Coordination Chemistry</i> , 2010, 63, 3101-3107.	0.8	6
95	Synthesis, Crystal Structure, and Characterization of three New Letrozole Complexes. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2012, 638, 372-376.	0.6	6
96	A highly stable and luminescent mononuclear Cu(I) bis-{5- tert -butyl-3-(6-methyl-2-pyridyl)-1 H -1,2,4-triazole} complex. <i>Chinese Chemical Letters</i> , 2017, 28, 1027-1030.	4.8	6
97	Two Gd <sub>2</sub> cluster complexes with monocarboxylate ligands displaying significant magnetic entropy changes. <i>Journal of Molecular Structure</i> , 2020, 1200, 127094.	1.8	6
98	Reversible stimuli-responsive luminescence of bimetallic cuprous complexes based on NH-deprotonated 3-(2-pyridyl)pyrazole. <i>Journal of Materials Chemistry C</i> , 0, , .	2.7	6
99	A multi-responsive MOF-based fluorescent probe for detecting Fe <sup>3+</sup> , Cr <sup>2+</sup> O <sub>7</sub> <sup>2-</sup> and acetylacetone. <i>New Journal of Chemistry</i> , 2021, 45, 22915-22923.	1.4	6
100	Structural phase transitions and switchable dielectric constants of two ionic co-crystals (am) <sub>3</sub> [La(NO <sub>3</sub> ) <sub>6</sub> ] (am <sup>-</sup> =â <sup>-</sup> (n-Pr) <sub>3</sub> NH, (n-Bu) <sub>3</sub> NH). <i>Inorganica Chimica Acta</i> , 2018, 482, 878-883.	1.2	4
101	Chiral to Chiral Phase Transition in a Novel Hydrogen Bond Type Molecular Ferroelectric. <i>ChemistrySelect</i> , 2018, 3, 8183-8188.	0.7	4
102	Stable hydrogen-bonded organic frameworks for selective fluorescence detection of Al <sup>3+</sup> and Fe <sup>3+</sup> ions. <i>CrystEngComm</i> , 2021, 23, 8334-8342.	1.3	4
103	One pot synthesis, crystal structures and properties of two new MOFs with imidazole-containing tripodal ligand. <i>Science China Chemistry</i> , 2014, 57, 1514-1519.	4.2	3
104	Synthesis of hierarchical hollow tungsten trioxide sphere and its evaluation as an electrocatalyst support for methanol oxidation. <i>Journal of Solid State Electrochemistry</i> , 2015, 19, 315-320.	1.2	3
105	Emissive mononuclear Cu(I) triphenylphosphine complexes with functionalized 6-tert-butoxycarbonyl-2,2'-bipyridine. <i>Chemical Research in Chinese Universities</i> , 2018, 34, 19-23.	1.3	3
106	Multifunctional ZnII-LnIII (Ln = Tb, Dy) complexes based on the amine-phenol ligand with field-induced slow magnetic relaxation, luminescence, and proton conduction. <i>New Journal of Chemistry</i> , 2021, 45, 3392-3399.	1.4	3
107	Luminescence properties and energy transfer mechanism of La <sub>2</sub> ZnTiO <sub>6</sub> :Mn <sup>4+</sup> /Er <sup>3+</sup> far-red/green dual-emitting phosphors for plant lighting. <i>Journal of Solid State Chemistry</i> , 2021, 303, 122470.	1.4	2
108	Mononuclear copper(I) complexes bearing 1,3-bis(diphenylphosphino)propane and functional 6-Cyano-2,2'-bipyridine ligands. <i>Journal of Molecular Structure</i> , 2022, 1247, 131402.	1.8	1

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109	A multidentate polymer microreactor route for green mass fabrication of mesoporous NaYF <sub>4</sub> clusters. Chemical Communications, 2022, 58, 1764-1767.	2.2	1