

Chun-Ting He

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

108
papers

8,402
citations

44
h-index

91
g-index

115
ext. papers

10,561
ext. citations

11.3
avg, IF

6.16
L-index

#	Paper	IF	Citations
108	Confinement synthesis in porous molecule-based materials: a new opportunity for ultrafine nanostructures.. <i>Chemical Science</i> , 2022 , 13, 1569-1593	9.4	1
107	Metal-organic frameworks derived transition metal phosphides for electrocatalytic water splitting. <i>Journal of Energy Chemistry</i> , 2022 , 68, 494-520	12	6
106	Silver(I)-Based Molecular Perovskite Energetic Compounds with Exceptional Thermal Stability and Energetic Performance.. <i>Inorganic Chemistry</i> , 2022 , 61, 4143-4149	5.1	0
105	Interpolation between W Dopant and Co Vacancy in CoOOH for Enhanced Oxygen Evolution Catalysis. <i>Advanced Materials</i> , 2021 , e2104667	24	7
104	A single-atom Cu-N catalyst eliminates oxygen interference for electrochemical sensing of hydrogen peroxide in a living animal brain.. <i>Chemical Science</i> , 2021 , 12, 15045-15053	9.4	3
103	Graphene-Like Hydrogen-Bonded Melamine-Cyanuric Acid Supramolecular Nanosheets as Pseudo-Porous Catalyst Support. <i>Advanced Materials</i> , 2021 , 33, e2007368	24	5
102	Octanuclear Cobalt(II) Cluster-Based Metal-Organic Framework with Caged Structure Exhibiting the Selective Adsorption of Ethane over Ethylene. <i>Inorganic Chemistry</i> , 2021 , 60, 10596-10602	5.1	6
101	Solid solutions of flexible host-guest supramolecules for tuning molecular motion and phase transitions. <i>Chemical Communications</i> , 2021 , 57, 7292-7295	5.8	1
100	Sulfur doping optimized intermediate energetics of FeCoOOH for enhanced oxygen evolution catalytic activity. <i>Cell Reports Physical Science</i> , 2021 , 2, 100331	6.1	5
99	Electrochemically Controlled Synthesis of Ultrathin Nickel Hydroxide Nanosheets for Electrocatalytic Oxygen Evolution. <i>Inorganic Chemistry</i> , 2021 , 60, 3365-3374	5.1	7
98	Accurately metal-modulated bimetallic metal-organic frameworks as advanced trifunctional electrocatalysts. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 14682-14690	13	5
97	Iridium single-atom catalyst on nitrogen-doped carbon for formic acid oxidation synthesized using a general host-guest strategy. <i>Nature Chemistry</i> , 2020 , 12, 764-772	17.6	207
96	Molecule-based nonlinear optical switch with highly tunable on-off temperature using a dual solid solution approach. <i>Nature Communications</i> , 2020 , 11, 2752	17.4	25
95	Approaching the activity limit of CoSe for oxygen evolution via Fe doping and Co vacancy. <i>Nature Communications</i> , 2020 , 11, 1664	17.4	104
94	Ion-Induced Delamination of Layered Bulk Metal-Organic Frameworks into Ultrathin Nanosheets for Boosting the Oxygen Evolution Reaction. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 10554-10563	8.3	9
93	How Cobalt and Iron Doping Determine the Oxygen Evolution Electrocatalytic Activity of NiOOH. <i>Cell Reports Physical Science</i> , 2020 , 1, 100077	6.1	15
92	Fluorinated Biphenyldicarboxylate-Based Metal-Organic Framework Exhibiting Efficient Propyne/Propylene Separation. <i>Inorganic Chemistry</i> , 2020 , 59, 4030-4036	5.1	17

91	Metal-Free Molecular Perovskite High-Energetic Materials. <i>Crystal Growth and Design</i> , 2020 , 20, 1891-1897	3.6	30
90	A Hydrogen-Bonded yet Hydrophobic Porous Molecular Crystal for Molecular-Sieving-like Separation of Butane and Isobutane. <i>Angewandte Chemie</i> , 2020 , 132, 23522-23528	3.6	10
89	Structural transformation of highly active metal-organic framework electrocatalysts during the oxygen evolution reaction. <i>Nature Energy</i> , 2020 , 5, 881-890	62.3	280
88	Photoinduction of Cu Single Atoms Decorated on UiO-66-NH for Enhanced Photocatalytic Reduction of CO to Liquid Fuels. <i>Journal of the American Chemical Society</i> , 2020 , 142, 19339-19345	16.4	138
87	A Hydrogen-Bonded yet Hydrophobic Porous Molecular Crystal for Molecular-Sieving-like Separation of Butane and Isobutane. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 23322-23328	16.4	16
86	Single-Atom Co-N Electrocatalyst Enabling Four-Electron Oxygen Reduction with Enhanced Hydrogen Peroxide Tolerance for Selective Sensing. <i>Journal of the American Chemical Society</i> , 2020 , 142, 16861-16867	16.4	77
85	Isolated Ni Atoms Dispersed on Ru Nanosheets: High-Performance Electrocatalysts toward Hydrogen Oxidation Reaction. <i>Nano Letters</i> , 2020 , 20, 3442-3448	11.5	80
84	Switching hydrogen bonds to readily interconvert two room-temperature long-term stable crystalline polymorphs in chiral molecular perovskites. <i>Chemical Communications</i> , 2019 , 55, 11555-11558	5.8	12
83	Water-Stable Europium 1,3,6,8-Tetrakis(4-carboxylphenyl)pyrene Framework for Efficient CH ₄ /CO Separation. <i>Inorganic Chemistry</i> , 2019 , 58, 5089-5095	5.1	44
82	Intermediate-sized molecular sieving of styrene from larger and smaller analogues. <i>Nature Materials</i> , 2019 , 18, 994-998	27	74
81	Giant anisotropic thermal expansion actuated by thermodynamically assisted reorientation of imidazoliums in a single crystal. <i>Nature Communications</i> , 2019 , 10, 4805	17.4	17
80	Flexibility of Metal-Organic Framework Tunable by Crystal Size at the Micrometer to Submillimeter Scale for Efficient Xylene Isomer Separation. <i>Research</i> , 2019 , 2019, 9463719	7.8	21
79	Isostructural phase transition and tunable water rotation within a unique solid rotor system. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 13176-13181	7.1	4
78	Manipulating the assembled structure of atomically thin CoSe ₂ nanomaterials for enhanced water oxidation catalysis. <i>Nano Energy</i> , 2019 , 57, 371-378	17.1	16
77	Non-3d Metal Modulation of a Cobalt Imidazolate Framework for Excellent Electrocatalytic Oxygen Evolution in Neutral Media. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 139-143	16.4	72
76	Non-3d Metal Modulation of a Cobalt Imidazolate Framework for Excellent Electrocatalytic Oxygen Evolution in Neutral Media. <i>Angewandte Chemie</i> , 2019 , 131, 145-149	3.6	11
75	Electrochemical Exfoliation of Pillared-Layer Metal-Organic Framework to Boost the Oxygen Evolution Reaction. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 4632-4636	16.4	198
74	Electrochemical Exfoliation of Pillared-Layer Metal-Organic Framework to Boost the Oxygen Evolution Reaction. <i>Angewandte Chemie</i> , 2018 , 130, 4722-4726	3.6	63

73	A Lanthanum Carboxylate Framework with Exceptional Stability and Highly Selective Adsorption of Gas and Liquid. <i>Inorganic Chemistry</i> , 2018 , 57, 5013-5018	5.1	20
72	Manipulating the Architecture of Atomically Thin Transition Metal (Hydr)oxides for Enhanced Oxygen Evolution Catalysis. <i>ACS Nano</i> , 2018 , 12, 1878-1886	16.7	43
71	Extraction of nickel from NiFe-LDH into NiP@NiFe hydroxide as a bifunctional electrocatalyst for efficient overall water splitting. <i>Chemical Science</i> , 2018 , 9, 1375-1384	9.4	183
70	Molecular Dynamics, Phase Transition and Frequency-Tuned Dielectric Switch of an Ionic Co-Crystal. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 8032-8036	16.4	33
69	Molecular perovskite high-energetic materials. <i>Science China Materials</i> , 2018 , 61, 1123-1128	7.1	59
68	Nickel-4P(3,5-dicarboxyphenyl)-2,2',6,6'-terpyridine Framework: Efficient Separation of Ethylene from Acetylene/Ethylene Mixtures with a High Productivity. <i>Inorganic Chemistry</i> , 2018 , 57, 9489-9494	5.1	22
67	Molecular Dynamics, Phase Transition and Frequency-Tuned Dielectric Switch of an Ionic Co-Crystal. <i>Angewandte Chemie</i> , 2018 , 130, 8164-8168	3.6	14
66	Enantioseparation of Au (PP) Cl Clusters with Intrinsically Chiral Cores. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 9059-9063	16.4	68
65	Single Tungsten Atoms Supported on MOF-Derived N-Doped Carbon for Robust Electrochemical Hydrogen Evolution. <i>Advanced Materials</i> , 2018 , 30, e1800396	24	302
64	Mesoporous Metal-Organic Frameworks with Exceptionally High Working Capacities for Adsorption Heat Transformation. <i>Advanced Materials</i> , 2018 , 30, 1704350	24	29
63	Accelerating water dissociation kinetics by isolating cobalt atoms into ruthenium lattice. <i>Nature Communications</i> , 2018 , 9, 4958	17.4	147
62	Optimizing the oxygen balance by changing the A-site cations in molecular perovskite high-energetic materials. <i>CrystEngComm</i> , 2018 , 20, 7458-7463	3.3	29
61	Oriented electron transmission in polyoxometalate-metalloporphyrin organic framework for highly selective electroreduction of CO. <i>Nature Communications</i> , 2018 , 9, 4466	17.4	221
60	An inorganic-MOF-inorganic approach to ultrathin CuO decorated Cu ₂ S hybrid nanorod arrays for an efficient oxygen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 19176-19181	13	50
59	A flexible metal-organic framework with adaptive pores for high column-capacity gas chromatographic separation. <i>Inorganic Chemistry Frontiers</i> , 2018 , 5, 2777-2783	6.8	5
58	Ultrathin Transition Metal Dichalcogenide/3d Metal Hydroxide Hybridized Nanosheets to Enhance Hydrogen Evolution Activity. <i>Advanced Materials</i> , 2018 , 30, e1801171	24	134
57	A general approach to cobalt-based homobimetallic phosphide ultrathin nanosheets for highly efficient oxygen evolution in alkaline media. <i>Energy and Environmental Science</i> , 2017 , 10, 893-899	35.4	342
56	Modular and Stepwise Synthesis of a Hybrid Metal-Organic Framework for Efficient Electrocatalytic Oxygen Evolution. <i>Journal of the American Chemical Society</i> , 2017 , 139, 1778-1781	16.4	273

55	A New Isomeric Porous Coordination Framework Showing Single-Crystal to Single-Crystal Structural Transformation and Preferential Adsorption of 1,3-Butadiene from C4 Hydrocarbons. <i>Crystal Growth and Design</i> , 2017 , 17, 2166-2171	3.5	22
54	Kinetic and mechanistic investigation for the copolymerization of CO ₂ and cyclohexene oxide catalyzed by trizinc complexes. <i>Polymer Chemistry</i> , 2017 , 8, 3632-3640	4.9	13
53	Mild metal-organic-gel route for synthesis of stable sub-5-nm metal-organic framework nanocrystals. <i>Nano Research</i> , 2017 , 10, 3621-3628	10	13
52	Cage-Confinement Pyrolysis Route to Ultrasmall Tungsten Carbide Nanoparticles for Efficient Electrocatalytic Hydrogen Evolution. <i>Journal of the American Chemical Society</i> , 2017 , 139, 5285-5288	16.4	274
51	Mixed-Lanthanide Porous Coordination Polymers Showing Range-Tunable Ratiometric Luminescence for O Sensing. <i>Inorganic Chemistry</i> , 2017 , 56, 4238-4243	5.1	52
50	Rational Design of Single Molybdenum Atoms Anchored on N-Doped Carbon for Effective Hydrogen Evolution Reaction. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 16086-16090	16.4	299
49	Rational Design of Single Molybdenum Atoms Anchored on N-Doped Carbon for Effective Hydrogen Evolution Reaction. <i>Angewandte Chemie</i> , 2017 , 129, 16302-16306	3.6	66
48	Hyperfine adjustment of flexible pore-surface pockets enables smart recognition of gas size and quadrupole moment. <i>Chemical Science</i> , 2017 , 8, 7560-7565	9.4	34
47	Engineering of Pore Geometry for Ultrahigh Capacity Methane Storage in Mesoporous Metal-Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2017 , 139, 13300-13303	16.4	106
46	Matching of Host-Guest Symmetry/Orientation and Molecular Dynamics in Two Double Perovskite-Like Azido Coordination Polymers. <i>Inorganic Chemistry</i> , 2017 , 56, 9946-9953	5.1	14
45	Crystalline Supramolecular Gyroscope with a Water Molecule as an Ultrasmall Polar Rotator Modulated by Charge-Assisted Hydrogen Bonds. <i>Journal of the American Chemical Society</i> , 2017 , 139, 8086-8089	16.4	48
44	A novel pillared-layer-type porous coordination polymer featuring three-dimensional pore system and high methane storage capacity. <i>Science China Chemistry</i> , 2016 , 59, 970-974	7.9	14
43	Flexible, Luminescent Metal-Organic Frameworks Showing Synergistic Solid-Solution Effects on Porosity and Sensitivity. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 16021-16025	16.4	42
42	Ultrathin metal-organic framework nanosheets for electrocatalytic oxygen evolution. <i>Nature Energy</i> , 2016 , 1,	62.3	1444
41	Plastic Crystals with Polar Halochromate Anion: Thermosensitive Dielectrics Based upon Plastic Transition and Dipole Rotation. <i>Inorganic Chemistry</i> , 2016 , 55, 11418-11425	5.1	31
40	Molecular Dynamics of Flexible Polar Cations in a Variable Confined Space: Toward Exceptional Two-Step Nonlinear Optical Switches. <i>Advanced Materials</i> , 2016 , 28, 5886-90	24	137
39	An Alkaline-Stable, Metal Hydroxide Mimicking Metal-Organic Framework for Efficient Electrocatalytic Oxygen Evolution. <i>Journal of the American Chemical Society</i> , 2016 , 138, 8336-9	16.4	362
38	Rapid separation of non-polar and weakly polar analytes with metal-organic framework MAF-5 coated capillary column. <i>Talanta</i> , 2016 , 152, 283-7	6.2	11

37	Photoinduced water oxidation by an organic ligand incorporated into the framework of a stable metal-organic framework. <i>Chemical Science</i> , 2016 , 7, 1070-1075	9.4	59
36	A Metal-Organic Framework with a Pore Size/Shape Suitable for Strong Binding and Close Packing of Methane. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 4674-8	16.4	111
35	Porous Metal Azolate Frameworks 2016 , 309-343		1
34	A Metal-Organic Framework with a Pore Size/Shape Suitable for Strong Binding and Close Packing of Methane. <i>Angewandte Chemie</i> , 2016 , 128, 4752-4756	3.6	21
33	Flexible, Luminescent Metal-Organic Frameworks Showing Synergistic Solid-Solution Effects on Porosity and Sensitivity. <i>Angewandte Chemie</i> , 2016 , 128, 16255-16259	3.6	7
32	Order-disorder phase transition in the first thiocyanate-bridged double perovskite-type coordination polymer: [NH ₄] ₂ [NiCd(SCN) ₆]. <i>CrystEngComm</i> , 2016 , 18, 4495-4498	3.3	24
31	Monodentate hydroxide as a super strong yet reversible active site for CO ₂ capture from high-humidity flue gas. <i>Energy and Environmental Science</i> , 2015 , 8, 1011-1016	35.4	185
30	Tuning fluorocarbon adsorption in new isorecticular porous coordination frameworks for heat transformation applications. <i>Chemical Science</i> , 2015 , 6, 2516-2521	9.4	44
29	Controlling the flexibility and single-crystal to single-crystal interpenetration reconstitution of metal-organic frameworks. <i>Chemical Communications</i> , 2015 , 51, 12665-8	5.8	29
28	Tunable cooperativity in a spin-crossover Hoffman-like metal-organic framework material by aromatic guests. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 7830-7835	7.1	31
27	Exceptional Hydrophobicity of a Large-Pore Metal-Organic Zeolite. <i>Journal of the American Chemical Society</i> , 2015 , 137, 7217-23	16.4	214
26	Thermal-induced reversible ferroelastic phase transition in a new bromethyl-substituted molecular rotor. <i>Science China Chemistry</i> , 2015 , 58, 1137-1143	7.9	12
25	Tuning oxygen-sensing behaviour of a porous coordination framework by a guest fluorophore. <i>Inorganic Chemistry Frontiers</i> , 2015 , 2, 1085-1090	6.8	11
24	Grafting alkylamine in UiO-66 by charge-assisted coordination bonds for carbon dioxide capture from high-humidity flue gas. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 21849-21855	13	71
23	Syntheses, structures and gas sorption properties of two coordination polymers with a unique type of supramolecular isomerism. <i>Inorganic Chemistry Frontiers</i> , 2015 , 2, 136-140	6.8	8
22	Switchable Guest Molecular Dynamics in a Perovskite-Like Coordination Polymer toward Sensitive Thermoresponsive Dielectric Materials. <i>Angewandte Chemie</i> , 2015 , 127, 928-932	3.6	28
21	Switchable guest molecular dynamics in a perovskite-like coordination polymer toward sensitive thermoresponsive dielectric materials. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 914-8	16.4	162
20	Structural, energetic, and dynamic insights into the abnormal xylene separation behavior of hierarchical porous crystal. <i>Scientific Reports</i> , 2015 , 5, 11537	4.9	24

19	Guest-containing supramolecular isomers of silver(I) 3,5-dialkyl-1,2,4-triazolates: syntheses, structures, and structural transformation behaviours. <i>CrystEngComm</i> , 2015 , 17, 8843-8849	3.3	8
18	Above-room-temperature ferroelastic phase transition in a perovskite-like compound [N(CH ₃) ₄][Cd(N ₃) ₃]. <i>Chemical Communications</i> , 2014 , 50, 1989-91	5.8	77
17	Visualizing the distinctly different crystal-to-crystal structural dynamism and sorption behavior of interpenetration-direction isomeric coordination networks. <i>Chemical Science</i> , 2014 , 5, 4755-4762	9.4	50
16	A flexible, porous, cluster-based Zn-pyrazolate-dicarboxylate framework showing selective adsorption properties. <i>New Journal of Chemistry</i> , 2014 , 38, 2002-2007	3.6	6
15	Structural elucidation of new urinary tamoxifen metabolites by liquid chromatography quadrupole time-of-flight mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2014 , 49, 570-8	2.2	7
14	New porous coordination polymers based on expanded pyridyl-dicarboxylate ligands and a paddle-wheel cluster. <i>CrystEngComm</i> , 2014 , 16, 6325-6330	3.3	24
13	Drastic enhancement of catalytic activity via post-oxidation of a porous MnII triazolate framework. <i>Chemistry - A European Journal</i> , 2014 , 20, 11303-7	4.8	55
12	Structural Transition in the Perovskite-like Bimetallic Azido Coordination Polymers: (NMe ₄) ₂ [B ²⁺ (N ₃) ₆] (B ²⁺ = Cr ³⁺ , Fe ³⁺ ; B ⁺ = Na ⁺ , K ⁺). <i>Crystal Growth and Design</i> , 2014 , 14, 3903-3909	3.5	44
11	A flexible porous Cu(II) bis-imidazolate framework with ultrahigh concentration of active sites for efficient and recyclable CO ₂ capture. <i>Chemical Communications</i> , 2013 , 49, 11728-30	5.8	50
10	Two new polar coordination polymers with diamond networks: interpenetration and thermal phase transition. <i>CrystEngComm</i> , 2013 , 15, 9530	3.3	10
9	Direct visualization of a guest-triggered crystal deformation based on a flexible ultramicroporous framework. <i>Nature Communications</i> , 2013 , 4, 2534	17.4	106
8	New Zn-Aminotriazolate-Dicarboxylate Frameworks: Synthesis, Structures, and Adsorption Properties. <i>Crystal Growth and Design</i> , 2013 , 13, 2118-2123	3.5	64
7	Highly selective recognition and fluorescence imaging of adenosine polyphosphates in aqueous solution. <i>Inorganic Chemistry</i> , 2013 , 52, 4873-9	5.1	41
6	A porous coordination framework for highly sensitive and selective solid-phase microextraction of non-polar volatile organic compounds. <i>Chemical Science</i> , 2013 , 4, 351-356	9.4	166
5	Copper(I) and silver(I) 2-methylimidazolates: extended isomerism, isomerization, and host-guest properties. <i>Inorganic Chemistry</i> , 2012 , 51, 4772-8	5.1	36
4	Interweaving isomerism and isomerization of molecular chains. <i>Chemical Communications</i> , 2011 , 47, 4156-8	5.8	62
3	Fluorous Metal-Organic Frameworks with Unique Cage-in-Cage Structures Featuring Fluorophilic Pore Surfaces for Efficient C ₂ H ₂ /CO ₂ Separation. <i>CCS Chemistry</i> , 1-10	7.2	5
2	Four-step thermosensitive dielectric response arising from motionable low-symmetry ammonium confined in deformable supramolecular cages. <i>Journal of Materials Chemistry C</i> ,	7.1	4

- 1 Biodiversity Benefits for Size Modulation of Metal Nanoparticles to Achieve In Situ Semi-Oxidation toward Optimized Electrocatalytic Oxygen Evolution. *Advanced Functional Materials*, 2021, 19, 210119. 15.6 1