Yuan-Biao Huang

List of Publications by Year
in descending order

108 papers	9,404 citations	36303 51 h-index	38395 95 g-index
115 all docs	115 docs citations	115 times ranked	9058 citing authors

#	Article	IF	Citations
1	Boosting Electrocatalytic CO ₂ Reduction with Conjugated Bimetallic Co/Zn Polyphthalocyanine Frameworks. CCS Chemistry, 2023, 5, 1130-1143.	7.8	37
2	Metal-organic frameworks bonded with metal <i>N</i>-heterocyclic carbenes for efficient catalysis. National Science Review, 2022, 9, .	9.5	92
3	Boron-doped Covalent Triazine Framework for Efficient CO2 Electroreduction. Chemical Research in Chinese Universities, 2022, 38, 141-146.	2.6	9
4	Graphene Quantum Dots Supported on Fe-based Metal-Organic Frameworks for Efficient Photocatalytic CO₂ Reduction^{â€»}. Acta Chimica Sinica, 2022, 80, 22.	1.4	16
5	Three-dimensional porphyrinic covalent organic frameworks for highly efficient electroreduction of carbon dioxide. Journal of Materials Chemistry A, 2022, 10, 4653-4659.	10.3	50
6	Spiral effect of helical carbon nanorods boosting electrocatalysis of oxygen reduction reaction. Science China Materials, 2022, 65, 1531-1538.	6.3	6
7	Ni single-atom sites supported on carbon aerogel for highly efficient electroreduction of carbon dioxide with industrial current densities. EScience, 2022, 2, 295-303.	41.6	81
8	Morphology and composition dependence of multicomponent Cu-based nanoreactor for tandem electrocatalysis CO2 reduction. Applied Catalysis B: Environmental, 2022, 314, 121498.	20.2	39
9	Highly efficient electroreduction of CO2 by defect single-atomic Ni-N3 sites anchored on ordered micro-macroporous carbons. Science China Chemistry, 2022, 65, 1584-1593.	8.2	35
10	A CO₂â€Masked Carbene Functionalized Covalent Organic Framework for Highly Efficient Carbon Dioxide Conversion. Angewandte Chemie, 2022, 134, .	2.0	9
11	Self-Assembly of Imidazolium-Functionalized Zr-Based Metalâ€“Organic Polyhedra for Catalytic Conversion of CO₂ into Cyclic Carbonates. Inorganic Chemistry, 2021, 60, 2112-2116.	4.0	34
12	Construction of Donorâ€“Acceptor Heterojunctions in Covalent Organic Framework for Enhanced CO₂Electroreduction. Small, 2021, 17, e2004933.	10.0	95
13	Spatial Sites Separation Strategy to Fabricate Atomically Isolated Nickel Catalysts for Efficient CO2 Electroreduction. , 2021, 3, 454-461.		34
14	Conductive Twoâ€Dimensional Phthalocyanineâ€based Metalâ€“Organic Framework Nanosheets for Efficient Electroreduction of CO₂. Angewandte Chemie - International Edition, 2021, 60, 17108-17114.	13.8	213
15	Conductive Twoâ€Dimensional Phthalocyanineâ€based Metalâ€“Organic Framework Nanosheets for Efficient Electroreduction of CO₂. Angewandte Chemie, 2021, 133, 17245-17251.	2.0	48
16	Conductive phthalocyanine-based metal-organic framework as a highly efficient electrocatalyst for carbon dioxide reduction reaction. Science China Chemistry, 2021, 64, 1332-1339.	8.2	68
17	Porous Metalâ€“Organic Framework Liquids for Enhanced CO₂ Adsorption and Catalytic Conversion. Angewandte Chemie - International Edition, 2021, 60, 20915-20920.	13.8	120
18	Porous Metalâ€“Organic Framework Liquids for Enhanced CO₂ Adsorption and Catalytic Conversion. Angewandte Chemie, 2021, 133, 21083-21088.	2.0	39

#	Article	IF	Citations
19	Multifunctional Gold Nanoparticles@Imidazolium-Based Cationic Covalent Triazine Frameworks for Efficient Tandem Reactions. CCS Chemistry, 2021, 3, 2368-2380.	7.8	55
20	Highly Selective Tandem Electroreduction of CO₂ to Ethylene over Atomically Isolated Nickelâ€“Nitrogen Site/Copper Nanoparticle Catalysts. Angewandte Chemie, 2021, 133, 25689-25696.	2.0	31
21	Highly Selective Tandem Electroreduction of CO₂ to Ethylene over Atomically Isolated Nickelâ€“Nitrogen Site/Copper Nanoparticle Catalysts. Angewandte Chemie - International Edition, 2021, 60, 25485-25492.	13.8	168
22	Soluble imidazolium-functionalized coordination cages for efficient homogeneous catalysis of CO₂ cycloaddition reactions. Chemical Communications, 2021, 57, 2140-2143.	4.1	17
23	Integration of metalloporphyrin into cationic covalent triazine frameworks for the synergistically enhanced chemical fixation of CO₂. Catalysis Science and Technology, 2020, 10, 8026-8033.	4.1	34
24	Highly Selective CO₂ Electroreduction to CH₄ by Inâ€…Situ Generated Cu₂O Singleâ€Type Sites on a Conductive MOF: Stabilizing Key Intermediates with Hydrogen Bonding. Angewandte Chemie, 2020, 132, 23849-23856.	2.0	70
25	Conductive Phthalocyanineâ€Based Covalent Organic Framework for Highly Efficient Electroreduction of Carbon Dioxide. Small, 2020, 16, e2005254.	10.0	128
26	Highly Selective CO₂ Electroreduction to CH₄ by Inâ€…Situ Generated Cu₂O Singleâ€Type Sites on a Conductive MOF: Stabilizing Key Intermediates with Hydrogen Bonding. Angewandte Chemie - International Edition, 2020, 59, 23641-23648.	13.8	335
27	Frontispiece: Highly Selective CO₂ Electroreduction to CH₄ by Inâ€…Situ Generated Cu₂O Singleâ€Type Sites on a Conductive MOF: Stabilizing Key Intermediates with Hydrogen Bonding. Angewandte Chemie - International Edition, 2020, 59, .	13.8	1
28	Frontispiz: Highly Selective CO₂ Electroreduction to CH₄ by Inâ€…Situ Generated Cu₂O Singleâ€Type Sites on a Conductive MOF: Stabilizing Key Intermediates with Hydrogen Bonding. Angewandte Chemie, 2020, 132, .	2.0	0
29	Imidazoliumâ€Functionalized Cationic Covalent Triazine Frameworks Stabilized Copper Nanoparticles for Enhanced CO₂ Electroreduction. ChemCatChem, 2020, 12, 3530-3536.	3.7	31
30	Unraveling the relationship of the pore structures between the metal-organic frameworks and their derived carbon materials. Inorganic Chemistry Communication, 2020, 114, 107825.	3.9	11
31	Integration of Strong Electron Transporter Tetrathiafulvalene into Metalloporphyrin-Based Covalent Organic Framework for Highly Efficient Electroreduction of CO₂. ACS Energy Letters, 2020, 5, 1005-1012.	17.4	180
32	Atomically dispersed Ni species on N-doped carbon nanotubes for electroreduction of CO2 with nearly 100% CO selectivity. Applied Catalysis B: Environmental, 2020, 271, 118929.	20.2	158
33	Nâ€Doped Carbon Aerogel Derived from a Metalâ€“Organic Framework Foam as an Efficient Electrocatalyst for Oxygen Reduction. Chemistry - an Asian Journal, 2019, 14, 3642-3647.	3.3	18
34	Cobalt single-atoms anchored on porphyrinic triazine-based frameworks as bifunctional electrocatalysts for oxygen reduction and hydrogen evolution reactions. Journal of Materials Chemistry A, 2019, 7, 1252-1259.	10.3	152
35	Solid-state synthesis of MoS2 nanorod from molybdenum-organic framework for efficient hydrogen evolution reaction. Science China Materials, 2019, 62, 965-972.	6.3	37
36	Unraveling the relationship between the morphologies of metalâ€“organic frameworks and the properties of their derived carbon materials. Dalton Transactions, 2019, 48, 7211-7217.	3.3	23

#	Article	IF	Citations
37	Integration of adsorption and photosensitivity capabilities into a cationic multivariate metal-organic framework for enhanced visible-light photoreduction reaction. Applied Catalysis B: Environmental, 2019, 253, 323-330.	20.2	80
38	A mesoporous cationic metalâ€“organic framework with a high density of positive charge for enhanced removal of dichromate from water. Dalton Transactions, 2019, 48, 6680-6684.	3.3	23
39	Salen-Co(<scp>iii</scp>) insertion in multivariate cationic metalâ€“organic frameworks for the enhanced cycloaddition reaction of carbon dioxide. Chemical Communications, 2019, 55, 4063-4066.	4.1	52
40	Porous nitrogen/halogen dual-doped nanocarbons derived from imidazolium functionalized cationic metal-organic frameworks for highly efficient oxygen reduction reaction. Science China Materials, 2019, 62, 671-680.	6.3	30
41	Metalâ€“organic frameworks and porous organic polymers for sustainable fixation of carbon dioxide into cyclic carbonates. Coordination Chemistry Reviews, 2019, 378, 32-65.	18.8	329
42	Unraveling the Reactivity and Selectivity of Atomically Isolated Metalâ€“Nitrogen Sites Anchored on Porphyrinic Triazine Frameworks for Electroreduction of CO ₂. CCS Chemistry, 2019, 1, 384-395.	7.8	125
43	Migration-Prevention Strategy to Fabricate Single-Atom Fe Implanted N-Doped Porous Carbons for Efficient Oxygen Reduction. Research, 2019, 2019, 1768595.	5.7	25
44	Imidazoliumâ€Based Cationic Covalent Triazine Frameworks for Highly Efficient Cycloaddition of Carbon Dioxide. ChemCatChem, 2018, 10, 2036-2040.	3.7	84
45	Highly selective sensing of Fe³⁺ by an anionic metalâ€“organic framework containing uncoordinated nitrogen and carboxylate oxygen sites. Dalton Transactions, 2018, 47, 3452-3458.	3.3	119
46	Zinc Porphyrin/Imidazolium Integrated Multivariate Zirconium Metalâ€“Organic Frameworks for Transformation of CO₂ into Cyclic Carbonates. Inorganic Chemistry, 2018, 57, 2584-2593.	4.0	153
47	Atomically Dispersed Ironâ€“Nitrogen Active Sites within Porphyrinic Triazine-Based Frameworks for Oxygen Reduction Reaction in Both Alkaline and Acidic Media. ACS Energy Letters, 2018, 3, 883-889.	17.4	273
48	Rhenium-modified porous covalent triazine framework for highly efficient photocatalytic carbon dioxide reduction in a solidâ€“gas system. Catalysis Science and Technology, 2018, 8, 2224-2230.	4.1	104
49	Fast, highly selective and sensitive anionic metal-organic framework with nitrogen-rich sites fluorescent chemosensor for nitro explosives detection. Journal of Hazardous Materials, 2018, 344, 283-290.	12.4	129
50	An imidazolium-functionalized mesoporous cationic metalâ€“organic framework for cooperative CO₂ fixation into cyclic carbonate. Chemical Communications, 2018, 54, 342-345.	4.1	142
51	Encapsulation of Phosphotungstic Acid into Metalâ€“Organic Frameworks with Tunable Window Sizes: Screening of PTA@MOF Catalysts for Efficient Oxidative Desulfurization. Inorganic Chemistry, 2018, 57, 13009-13019.	4.0	100
52	Defective Pt nanoparticles encapsulated in mesoporous metalâ€“organic frameworks for enhanced catalysis. Chemical Communications, 2018, 54, 8822-8825.	4.1	19
53	Porous hollow MoS₂ microspheres derived from coreâ€“shell sulfonated polystyrene microspheres@MoS₂ nanosheets for efficient electrocatalytic hydrogen evolution. Inorganic Chemistry Frontiers, 2017, 4, 741-747.	6.0	18
54	A flexible porous copper-based metal-organic cage for carbon dioxide adsorption. Inorganic Chemistry Communication, 2017, 78, 28-31.	3.9	4

#	Article	IF	Citations
55	Hierarchically porous nitrogen-doped carbon nanotubes derived from coreâ€“shell ZnO@zeolitic imidazolate framework nanorods for highly efficient oxygen reduction reactions. Journal of Materials Chemistry A, 2017, 5, 12322-12329.	10.3	93
56	Facile ultrafine copper seed-mediated approach for fabricating quasi-two-dimensional palladium-copper bimetallic trigonal hierarchical nanoframes. Nano Research, 2017, 10, 2810-2822.	10.4	5
57	Boosting Oxidative Desulfurization of Model and Real Gasoline over Phosphotungstic Acid Encapsulated in Metalâ€“Organic Frameworks: The Window Size Matters. ChemCatChem, 2017, 9, 971-979.	3.7	103
58	Postsynthetic ionization of an imidazole-containing metalâ€“organic framework for the cycloaddition of carbon dioxide and epoxides. Chemical Science, 2017, 8, 1570-1575.	7.4	346
59	Multifunctional metalâ€“organic framework catalysts: synergistic catalysis and tandem reactions. Chemical Society Reviews, 2017, 46, 126-157.	38.1	1,554
60	Water-Stable Anionic Metalâ€“Organic Framework for Highly Selective Separation of Methane from Natural Gas and Pyrolysis Gas. ACS Applied Materials & Interfaces, 2016, 8, 9777-9781.	8.0	148
61	Soluble Metal-Nanoparticle-Decorated Porous Coordination Polymers for the Homogenization of Heterogeneous Catalysis. Journal of the American Chemical Society, 2016, 138, 10104-10107.	13.7	136
62	A bifunctional cationic porous organic polymer based on a Salen-(Al) metalloligand for the cycloaddition of carbon dioxide to produce cyclic carbonates. Chemical Communications, 2016, 52, 13288-13291.	4.1	100
63	Water-medium Câ€“H activation over a hydrophobic perfluoroalkane-decorated metal-organic framework platform. Journal of Catalysis, 2016, 333, 1-7.	6.2	58
64	From covalentâ€“organic frameworks to hierarchically porous B-doped carbons: a molten-salt approach. Journal of Materials Chemistry A, 2016, 4, 4273-4279.	10.3	88
65	An Anion Metalâ€“Organic Framework with Lewis Basic Sites-Rich toward Charge-Exclusive Cationic Dyes Separation and Size-Selective Catalytic Reaction. Inorganic Chemistry, 2016, 55, 2641-2649.	4.0	139
66	A Metallosalenâ€based Porous Organic Polymer for Olefin Epoxidation. ChemCatChem, 2015, 7, 2340-2345.	3.7	26
67	Coordination polymers constructed from a tripodal phosphoryl carboxylate ligand: synthesis, structures and physical properties. CrystEngComm, 2015, 17, 4547-4553.	2.6	6
68	Hierarchically micro- and mesoporous metalâ€“organic framework-supported alloy nanocrystals as bifunctional catalysts: Toward cooperative catalysis. Journal of Catalysis, 2015, 330, 452-457.	6.2	49
69	Porous Anionic Indiumâ€“Organic Framework with Enhanced Gas and Vapor Adsorption and Separation Ability. ChemSusChem, 2014, 7, 2647-2653.	6.8	101
70	Bimetallic alloy nanocrystals encapsulated in ZIF-8 for synergistic catalysis of ethylene oxidative degradation. Chemical Communications, 2014, 50, 10115.	4.1	106
71	Phosphotungstic acid encapsulated in the mesocages of amine-functionalized metalâ€“organic frameworks for catalytic oxidative desulfurization. Dalton Transactions, 2014, 43, 11950-11958.	3.3	124
72	Syntheses, structures and photoluminescent properties of lanthanide coordination polymers based on pyridyl functionalized imidazole dicarboxylic acid. RSC Advances, 2013, 3, 9279.	3.6	24

#	Article	IF	Citations
73	Construction of a Polyhedral Metalâ€“Organic Framework via a Flexible Octacarboxylate Ligand for Gas Adsorption and Separation. Inorganic Chemistry, 2013, 52, 3127-3132.	4.0	85
74	Direct Cï£¿H Bond Arylation of Indoles with Aryl Boronic Acids Catalyzed by Palladium Nanoparticles Encapsulated in Mesoporous Metalâ€“Organic Framework. ChemCatChem, 2013, 5, 1877-1883.	3.7	85
75	Structure Versatility of Coordination Polymers Constructed from a Semirigid Tetracarboxylate Ligand: Syntheses, Structures, and Photoluminescent Properties. Crystal Growth and Design, 2013, 13, 255-263.	3.0	65
76	Crystalline Hybrid Solid Materials of Palladium and Decamethylcucurbit[5]uril as Recoverable Precatalysts for Heck Crossâ€Coupling Reactions. Chemistry - A European Journal, 2013, 19, 15661-15668.	3.3	18
77	Two-dimensional decanuclear erbium wheel supported by mixed hemimellitate and 4-chlorobenzoate ligands. CrystEngComm, 2012, 14, 6045.	2.6	9
78	Three-Dimensional Pillared-Layer 3d-4f Heterometallic Coordination Polymers With or Without Halides. Crystal Growth and Design, 2012, 12, 3549-3556.	3.0	40
79	Three-dimensional Yb(III)â€“Ag(I) heterometallic coordination polymer showing dual photoluminescent emissions in the visible and near-infrared regions. Inorganic Chemistry Communication, 2012, 23, 132-136.	3.9	8
80	Facile synthesis of palladium nanoparticles encapsulated in amine-functionalized mesoporous metalâ€“organic frameworks and catalytic for dehalogenation of aryl chlorides. Journal of Catalysis, 2012, 292, 111-117.	6.2	128
81	A family of three-dimensional 3dâ€“4f and 4dâ€“4f heterometallic coordination polymers based on mixed isonicotinate and 2-sulfobenzoate ligands: syntheses, structures and photoluminescent properties. Dalton Transactions, 2012, 41, 6195.	3.3	33
82	Microwave-Assisted Synthesis of a Series of Lanthanide Metalâ€“Organic Frameworks and Gas Sorption Properties. Inorganic Chemistry, 2012, 51, 1813-1820.	4.0	106
83	A Guestâ€Dependent Approach to Retain Permanent Pores in Flexible Metalâ€“Organic Frameworks by Cation Exchange. Chemistry - A European Journal, 2012, 18, 7896-7902.	3.3	66
84	Palladium Nanoparticles Supported on Mixedâ€Linker Metalâ€“Organic Frameworks as Highly Active Catalysts for Heck Reactions. ChemPlusChem, 2012, 77, 106-112.	2.8	88
85	The fabrication of palladiumâ€“pyridyl complex multilayers and their application as a catalyst for the Heck reaction. Journal of Materials Chemistry, 2011, 21, 16467.	6.7	40
86	Pore-size tuning in double-pillared metalâ€“organic frameworks containing cadmium clusters. CrystEngComm, 2011, 13, 3321.	2.6	49
87	Homochiral Nickel Coordination Polymers Based on Salen(Ni) Metalloligands: Synthesis, Structure, and Catalytic Alkene Epoxidation. Inorganic Chemistry, 2011, 50, 2191-2198.	4.0	103
88	Palladium nanoparticles supported on amino functionalized metal-organic frameworks as highly active catalysts for the Suzukiâ€“Miyaura cross-coupling reaction. Catalysis Communications, 2011, 14, 27-31.	3.3	162
89	Palladium Nanoparticles Encapsulated in a Metalâ€“Organic Framework as Efficient Heterogeneous Catalysts for Direct C2 Arylation of Indoles. Chemistry - A European Journal, 2011, 17, 12706-12712.	3.3	177
90	Vinyl polymerization of norbornene with bis(imino)pyridyl nickel(II) complexes. Journal of Applied Polymer Science, 2009, 112, 1486-1495.	2.6	21

#	ARTICLE	IF	CITATIONS
91	Synthesis, characterization and olefin polymerization of the nickel catalysts supported by [N,S] ligands. Journal of Organometallic Chemistry, 2009, 694, 86-90.	1.8	30
92	Synthesis and characterization of half-sandwich iridium(III) and rhodium(III) complexes bearing organochalcogen ligands. Journal of Organometallic Chemistry, 2009, 694, 3376-3380.	1.8	23
93	Synthesis, characterization of novel half-sandwich iridium and rhodium complexes containing pyridine-based organochalcogen ligands. Journal of Organometallic Chemistry, 2009, 694, 4008-4013.	1.8	24
94	Half-Sandwich Chromium(III) Catalysts Bearing Hydroxyindanimine Ligands for Ethylene Polymerization. Organometallics, 2009, 28, 4170-4174.	2.3	38
95	Half-sandwich chromium(iii) complexes bearing Î²-ketoiminato and Î²-diketiminate ligands as catalysts for ethylene polymerization. Dalton Transactions, 2009, , 767-769.	3.3	50
96	Nickel Complexes and Cobalt Coordination Polymers with Organochalcogen (S, Se) Ligands Bearing an <i>N</i>â€Methylimidazole Moiety: Syntheses, Structures, and Properties. European Journal of Inorganic Chemistry, 2008, 2008, 4063-4073.	2.0	60
97	Synthesis, Characterization, and Norbornene Polymerization Behavior of the Half-Sandwich Complexes [Cp*₃M₃(Î¼₃-L)Cl₃] and [Cp*M(2-SPyH)Cl₂] (M = Ir, M = Rh, [L]^{3â^'}= 1,3,5-Triazine-2,4,6-trithiolato, 2-SPy =) Tj ETQq1 1 0.784314 rgB	2.3	32
98	Syntheses and structures of half-sandwich iridium(iii) and rhodium(iii) complexes with organochalcogen (S, Se) ligands bearing N-methylimidazole and their use as catalysts for norbornene polymerization. Dalton Transactions, 2008, , 5612.	3.3	97
99	Binuclear Nickel and Copper Complexes with Bridging 2,5-Diamino-1,4-benzoquinonediimines: Synthesis, Structures, and Catalytic Olefin Polymerization. Organometallics, 2008, 27, 259-269.	2.3	90
100	1,3,5-Tris(4-methylphenyl)benzene. Acta Crystallographica Section E: Structure Reports Online, 2006, 62, o777-o779.	0.2	3
101	Diphenylcarbonohydrazideâ€"phenylsemicarbazide (1/1). Acta Crystallographica Section E: Structure Reports Online, 2006, 62, o1719-o1721.	0.2	0
102	2,6-Bis[1-(2,6-dimethylphenylimino)ethyl]pyridine. Acta Crystallographica Section E: Structure Reports Online, 2006, 62, o3044-o3045.	0.2	12
103	Syntheses of iron, cobalt, chromium, copper and zinc complexes with bulky bis(imino)pyridyl ligands and their catalytic behaviors in ethylene polymerization and vinyl polymerization of norbornene. Journal of Molecular Catalysis A, 2006, 259, 133-141.	4.8	65
104	Syntheses, structures and properties of two Keggin polyoxometalates [H5PCo(4,4â€²-bipy)Mo11O39][H3PMo12O40]Â·3.75(4,4â€²-bipy)Â·1.5H2O and [H3PMo12O40]Â·2(4,4â€²-bipy)Â·1.5H2O. Journal of Molecular Structure, 2006, 783, 168-175.	3.6	25
105	Syntheses, structures and properties of two molybdenum phosphates [(H20P8MoV12 CdO62) (C4H14N3)2]Â·2C4H13N3Â·8H2O and [(H2P2MoVI5 O23) (C4H14N3) (C4H15N3) (H3O)]Â·3H2O. Journal of Molecular Structure, 2006, 798, 117-125.	3.6	17
106	Hydrothermal synthesis and characterization of a novel 3D open framework structure of mixed valence ethylenediamineâ€"vanadium phosphate: [C2H10N2][(HVIVO3)(HVVO2) (PO4)]. Inorganica Chimica Acta, 2006, 359, 3396-3404.	2.4	9
107	Hydrothermal syntheses, crystal structures, and properties of two polyoxometalates [Cd(2,2â€²-bpy)3]2[PMoVMoVI 11O40] and [H3PMo12O40]Â·3(4,4â€²-bpy)Â·4H2O. Structural Chemistry, 2006, 17, 35-41.	[illegible]	4
108	Hydrothermal synthesis, crystal structure and properties of a 3D-framework polyoxometalate assembly: [Ag(4,4â€²-bipy)](OH){[Ag(4,4â€²-bipy)]2[PAgW12O40]}Â·3.5H2O. Journal of Solid State Chemistry, 2006, 179, 1904-1910.	2.9	50