

Yong-Fei Zeng

List of Publications by Year in descending order

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5,830
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87888

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docs citations

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times ranked

6724
citing authors

#	ARTICLE	IF	CITATIONS
1	Covalent Organic Frameworks for CO ₂ Capture. <i>Advanced Materials</i> , 2016, 28, 2855-2873.	21.0	873
2	Azido-mediated systems showing different magnetic behaviors. <i>Chemical Society Reviews</i> , 2009, 38, 469-480.	38.1	575
3	Graphene-Based Microbots for Toxic Heavy Metal Removal and Recovery from Water. <i>Nano Letters</i> , 2016, 16, 2860-2866.	9.1	473
4	Integrating Suitable Linkage of Covalent Organic Frameworks into Covalently Bridged Inorganic/Organic Hybrids toward Efficient Photocatalysis. <i>Journal of the American Chemical Society</i> , 2020, 142, 4862-4871.	13.7	304
5	Covalent Organic Frameworks Formed with Two Types of Covalent Bonds Based on Orthogonal Reactions. <i>Journal of the American Chemical Society</i> , 2015, 137, 1020-1023.	13.7	276
6	Engineering a Hollow Nanocontainer Platform with Multifunctional Molecular Machines for Tumor-Targeted Therapy <i>in Vitro</i> and <i>in Vivo</i> . <i>ACS Nano</i> , 2013, 7, 10271-10284.	14.6	212
7	Intracellular redox-activated anticancer drug delivery by functionalized hollow mesoporous silica nanoreservoirs with tumor specificity. <i>Biomaterials</i> , 2014, 35, 7951-7962.	11.4	134
8	Covalent-Organic-Framework-Based Composite Materials. <i>CheM</i> , 2020, 6, 3172-3202.	11.7	127
9	Bimetallic Metal-Organic Frameworks: Probing the Lewis Acid Site for CO ₂ Conversion. <i>Small</i> , 2016, 12, 2334-2343.	10.0	122
10	First Metal Azide Complex with Isonicotinate as a Bridging Ligand Showing New Net Topology: A Hydrothermal Synthesis, Structure, and Magnetic Properties. <i>Inorganic Chemistry</i> , 2006, 45, 2776-2778.	4.0	120
11	Novel 3-D Framework Nickel(II) Complex with Azide, Nicotinic Acid, and Nicotinate(1 ⁻) as Coligands: A Hydrothermal Synthesis, Structure, and Magnetic Properties. <i>Inorganic Chemistry</i> , 2005, 44, 7298-7300.	4.0	103
12	Tuning the Structure and Magnetism of Azido-Mediated Cu ^{II} Systems by Coligand Modifications. <i>Inorganic Chemistry</i> , 2009, 48, 2482-2489.	4.0	99
13	Homospin single-chain magnet with 1D ferromagnetic azido-cobalt Ising-type chain. <i>Chemical Communications</i> , 2010, 46, 8540.	4.1	98
14	Novel Heterometallic 3d ⁴ Metal-Azido Complex of Mixed Ligands with Unprecedented Structure Type: A Synthesis, Structure, and Magnetic Properties. <i>Inorganic Chemistry</i> , 2006, 45, 6129-6131.	4.0	96
15	Adjusting the Porosity and Interpenetration of Cadmium(II) Coordination Polymers by Ligand Modification: Syntheses, Structures, and Adsorption Properties. <i>Crystal Growth and Design</i> , 2010, 10, 1138-1144.	3.0	96
16	Two-dimensional covalent organic frameworks for ultrahigh iodine capture. <i>Journal of Materials Chemistry A</i> , 2020, 8, 9523-9527.	10.3	92
17	New 3D Coordination Polymers Constructed from Pillared Metal-Formate Kagomé Layers Exhibiting Spin Canting Only in the Nickel(II) Complex. <i>Inorganic Chemistry</i> , 2009, 48, 11601-11607.	4.0	90
18	An azido-metal-isonicotinate complex showing long-range ordered ferromagnetic interaction: synthesis, structure and magnetic properties. <i>Chemical Communications</i> , 2006, , 2227-2229.	4.1	89

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19	Structures with Tunable Strong Ferromagnetic Coupling: from Unordered (1D) to Ordered (Discrete). <i>Chemistry - A European Journal</i> , 2007, 13, 9924-9930.	3.3	87
20	Tuning silver(I) coordination architectures by ligands design: from dinuclear, trinuclear, to 1D and 3D frameworks. <i>CrystEngComm</i> , 2008, 10, 1866.	2.6	85
21	Single-Molecule-Magnet Behavior in a Fe ₁₂ Sm ₄ Cluster. <i>Inorganic Chemistry</i> , 2010, 49, 9734-9736.	4.0	85
22	Two unprecedented 10-connected bct topological metal-organic frameworks constructed from cadmium clusters. <i>Chemical Communications</i> , 2010, 46, 4890.	4.1	81
23	Synergistic Effect of Mesoporous Co ₃ O ₄ Nanowires Confined by N-Doped Graphene Aerogel for Enhanced Lithium Storage. <i>Small</i> , 2016, 12, 3849-3860.	10.0	80
24	Construction of Covalent-Organic Frameworks (COFs) from Amorphous Covalent Organic Polymers via Linkage Replacement. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 17679-17683.	13.8	78
25	A Novel Strategy for the Construction of Covalent Organic Frameworks from Nonporous Covalent Organic Polymers. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 4906-4910.	13.8	76
26	Novel thiol-functionalized covalent organic framework as adsorbent for simultaneous removal of BTEX and mercury (II) from water. <i>Chemical Engineering Journal</i> , 2020, 398, 125566.	12.7	69
27	Synthesis of Microporous Nitrogen-Rich Covalent-Organic Framework and Its Application in CO ₂ Capture. <i>Chinese Journal of Chemistry</i> , 2015, 33, 90-94.	4.9	67
28	An Unusual 1D Manganese Azido Complex with Novel EO/EO/EO/EE Coordination Mode: Synthesis, Structure, and Magnetic Properties. <i>Inorganic Chemistry</i> , 2007, 46, 1520-1522.	4.0	61
29	New d ¹⁰ metal-organic coordination polymers with 9,10-bis(triazol-1-ylmethyl)anthracene (L): Syntheses, crystal structures, and luminescent properties. <i>CrystEngComm</i> , 2007, 9, 289-297.	2.6	56
30	Two New Copper Azido Polymorphs: Structures, Magnetic Properties, and Effects of Noninnocent Reagents in Hydrothermal Methods. <i>Inorganic Chemistry</i> , 2007, 46, 7698-7700.	4.0	53
31	Reconstruction of Covalent Organic Frameworks by Dynamic Equilibrium. <i>Chemistry - A European Journal</i> , 2015, 21, 16818-16822.	3.3	51
32	Diverse Role of Solvents in Controlling Supramolecular Chirality. <i>Chemistry - A European Journal</i> , 2019, 25, 7426-7437.	3.3	50
33	Three-Dimensional Porous Metal-Organic Frameworks Exhibiting Metamagnetic Behaviors: Synthesis, Structure, Adsorption, and Magnetic Properties. <i>Inorganic Chemistry</i> , 2010, 49, 4301-4306.	4.0	49
34	Tuning Expanded Pores in Metal-Organic Frameworks for Selective Capture and Catalytic Conversion of Carbon Dioxide. <i>ChemSusChem</i> , 2018, 11, 3751-3757.	6.8	47
35	Nickel(ii)-azido ferromagnetic chains in a 3D porous metal-organic framework with breathing guest molecules. <i>Dalton Transactions</i> , 2008, , 5556.	3.3	41
36	Water-Soluble Pillararene-Functionalized Graphene Oxide for In-Vitro Raman and Fluorescence Dual-Mode Imaging. <i>ChemPlusChem</i> , 2014, 79, 462-469.	2.8	41

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37	3d ⁹ 4f Coordination Polymers Containing Alternating EE/EO Azido Chain Synthesized by Synergistic Coordination of Lanthanide and Transition Metal Ions. <i>Crystal Growth and Design</i> , 2009, 9, 421-426.	3.0	40
38	Tuning Synergistic Effect of Au ⁺ Pd Bimetallic Nanocatalyst for Aerobic Oxidative Carbonylation of Amines. <i>Chemistry of Materials</i> , 2017, 29, 3671-3677.	6.7	38
39	High iodine uptake in two-dimensional covalent organic frameworks. <i>Chemical Communications</i> , 2021, 57, 5558-5561.	4.1	38
40	Guest-Regulated Luminescence and Force-Stimuli Response of a Hydrogen-Bonded Organic Framework. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 32270-32277.	8.0	38
41	Tuning the magnetic behaviors in [Fe ^{III} 12Ln ^{III} 4] clusters with aromatic carboxylate ligands. <i>Inorganic Chemistry Frontiers</i> , 2014, 1, 200-206.	6.0	35
42	Arenedisulfonate ⁻ lanthanide supramolecular architectures with phenanthroline as a co-ligand: syntheses and structures. <i>CrystEngComm</i> , 2007, 9, 902.	2.6	33
43	An unprecedented double-bridging interpenetrating $\hat{1}\pm$ -Po network based on a new heterometallic cluster {Cu ₄ Mo ₆ }. <i>Dalton Transactions</i> , 2011, 40, 31-34.	3.3	31
44	Partial Substitution of Hydroxyl by Azide: An Unprecedented 2D Azido ⁻ Copper ⁺ Hydroxyl Compound with a [Cu ₂₄] Macrocycle in the Presence of [Cu(H ₂ O) ₆] ²⁺ . <i>Chemistry - A European Journal</i> , 2008, 14, 7127-7130.	3.3	28
45	Surface Conductive Graphene ⁻ Wrapped Micromotors Exhibiting Enhanced Motion. <i>Small</i> , 2015, 11, 5023-5027.	10.0	28
46	Metal ⁻ organic coordination architectures of 9,10-bis(N-benzimidazolyl)anthracene: syntheses, structures and emission properties. <i>CrystEngComm</i> , 2007, 9, 412-420.	2.6	26
47	Fe ₂₀ Cluster Units Based Coordination Polymer from in Situ Ligand Conversion and Trapping of an Intermediate. <i>Inorganic Chemistry</i> , 2012, 51, 9571-9573.	4.0	26
48	A Highly Active Catalyst System for Suzuki ⁻ Miyaura Coupling of Aryl Chlorides. <i>Organometallics</i> , 2019, 38, 1459-1467.	2.3	25
49	Novel lanthanide ⁻ azido complexes: hydrothermal syntheses, structures and magnetic properties. <i>Dalton Transactions</i> , 2009, , 2074.	3.3	22
50	Isomorphous tetrazolate Mn ^{II} and Co ^{II} compounds built on $\hat{1}$ -chain showing different magnetic behaviors. <i>Dalton Transactions</i> , 2011, 40, 11955.	3.3	22
51	A Novel Strategy for the Construction of Covalent Organic Frameworks from Nonporous Covalent Organic Polymers. <i>Angewandte Chemie</i> , 2019, 131, 4960-4964.	2.0	22
52	Novel thermoresponsive homopolymers of poly[oligo(ethylene glycol) (acyloxy) methacrylate]: LCST-type transition in water and UCST-type transition in alcohols. <i>Polymer</i> , 2020, 203, 122746.	3.8	21
53	Construction of a Sandwiched MOF@COF Composite as a Size-Selective Catalyst. <i>Cell Reports Physical Science</i> , 2020, 1, 100272.	5.6	21
54	An unusual 3-D asymmetric mixed valence copper-azido complex with pyrazinecarboxylate as co-ligand showing rare net topology: Hydrothermal synthesis, structure and magnetic properties. <i>Inorganic Chemistry Communication</i> , 2007, 10, 129-132.	3.9	20

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55	Carbon Dioxide Capture: Covalent Organic Frameworks for CO ₂ Capture (Adv. Mater.) TJ ETQq1 1 0.784314 rgBT/Overl	21.0	20
56	Zeolite-like Metal-Organic Framework Based on a Flexible 2-(1 <i>H</i> -benzimidazol-2-ylthio)acetic Ligand: Synthesis, Structures, and Properties. Crystal Growth and Design, 2010, 10, 1878-1884.	3.0	18
57	Three new Cu(II)-Ln(III) heterometallic coordination polymers constructed from quinolinic acid and nicotinic acid: Synthesis, structures, and magnetic properties. Science China Chemistry, 2012, 55, 1064-1072.	8.2	18
58	One-dimensional metal-azido complex constructed by a double EO azido bridged trinuclear nickel(ii) unit: synthesis, structure and magnetic properties. Dalton Transactions, 2010, 39, 1185-1187.	3.3	17
59	Iron(III)-Quantity-Dependent Aggregation-Dispersion Conversion of Functionalized Gold Nanoparticles. Chemistry - A European Journal, 2014, 20, 4032-4037.	3.3	17
60	Construction of Covalent-Organic Frameworks (COFs) from Amorphous Covalent Organic Polymers via Linkage Replacement. Angewandte Chemie, 2019, 131, 17843-17847.	2.0	13
61	Metal nuclearity affects network connectivity: a series of highly connected metal-organic frameworks based on polynuclear metal clusters as secondary building units. CrystEngComm, 2016, 18, 8182-8193.	2.6	12
62	Five new Mn(II)/Co(II) coordination polymers constructed from flexible multicarboxylate ligands with varying magnetic properties. Journal of Solid State Chemistry, 2013, 204, 197-204.	2.9	10
63	Highly Active Heterogeneous PdCl ₂ /MOF Catalyst for Suzuki-Miyaura Cross-Coupling Reactions of Aryl Chloride. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2020, 646, 1336-1341.	1.2	9
64	Self-Assembly Evolution of <i>N</i> -Terminal Aromatic Amino Acids with Transient Supramolecular Chirality. Journal of Physical Chemistry Letters, 2020, 11, 1490-1496.	4.6	9
65	Cadmium coordination polymers based on biimidazole and bibenzimidazole: Syntheses, crystal structures and fluorescent properties. Solid State Sciences, 2010, 12, 1357-1363.	3.2	7
66	Acid-Labile Temperature-Responsive Homopolymers and a Diblock Copolymer Bearing the Pendent Acetal Group. Macromolecules, 2021, 54, 3725-3734.	4.8	7
67	Construction of a Three-dimensional Covalent Organic Framework via the Linker Exchange Strategy. Chemical Research in Chinese Universities, 2022, 38, 402-408.	2.6	7
68	<i>N</i> -Heterocyclic Carbene Copper(I) Complex Catalyzed Coupling of (Hetero)aryl Chlorides and Nitrogen Heterocycles: Highly Efficient Catalytic System. Chinese Journal of Chemistry, 2020, 38, 1252-1256.	4.9	5
69	Novel coordination polymers with 1,4-di(benzimidazole-1-yl)benzene modulated by an anion: Syntheses, structures and properties. Science China Chemistry, 2010, 53, 2170-2176.	8.2	4
70	Highly Active Pd-PEPSI Complexes for Suzuki-Miyaura Cross-coupling of Aryl Chlorides: an Investigation on the Effect of Electronic Properties. Chemical Research in Chinese Universities, 2020, 36, 859-864.	2.6	4
71	Metal-Organic Frameworks: Bimetallic Metal-Organic Frameworks: Probing the Lewis Acid Site for CO ₂ Conversion (Small 17/2016). Small, 2016, 12, 2386-2386.	10.0	2
72	PKU-21: A Novel Layered Germanate Built from Ge ₇ and Ge ₁₀ Clusters for CO ₂ Separation. Chemistry - A European Journal, 2017, 23, 17879-17884.	3.3	0