

Weiting Yang

List of Publications by Year in descending order

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107
papers

4,489
citations

94433

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118850

62
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112
all docs

112
docs citations

112
times ranked

3733
citing authors

#	ARTICLE	IF	CITATIONS
1	One-dimensional channel-structured Eu-MOF for sensing small organic molecules and Cu ²⁺ ion. Journal of Materials Chemistry A, 2013, 1, 11043.	10.3	341
2	MOF-76: from a luminescent probe to highly efficient U ^{VI} sorption material. Chemical Communications, 2013, 49, 10415-10417.	4.1	257
3	Fe ₃ O ₄ @ZIF-8: a magnetic nanocomposite for highly efficient UO ₂ ²⁺ adsorption and selective UO ₂ ²⁺ /Ln ³⁺ separation. Chemical Communications, 2017, 53, 4199-4202.	4.1	168
4	Facile and rapid fabrication of nanostructured lanthanide coordination polymers as selective luminescent probes in aqueous solution. Journal of Materials Chemistry, 2012, 22, 6819.	6.7	161
5	Highly selective acetone fluorescent sensors based on microporous Cd(ii) metal-organic frameworks. Journal of Materials Chemistry, 2012, 22, 23201.	6.7	140
6	Mixed-Ligand Zn-MOFs for Highly Luminescent Sensing of Nitro Compounds. Chemistry - an Asian Journal, 2013, 8, 982-989.	3.3	140
7	Lanthanide Metal-Organic Frameworks Showing Luminescence in the Visible and Near-Infrared Regions with Potential for Acetone Sensing. Chemistry - A European Journal, 2013, 19, 17172-17179.	3.3	127
8	Syntheses and Applications of Noble-Metal-free CeO ₂ -Based Mixed-Oxide Nanocatalysts. Chem, 2019, 5, 1743-1774.	11.7	125
9	Structural chemistry of uranium phosphonates. Coordination Chemistry Reviews, 2015, 303, 86-109.	18.8	121
10	ZnO@ZIF-8 core-shell microspheres for improved ethanol gas sensing. Sensors and Actuators B: Chemical, 2019, 284, 421-427.	7.8	113
11	Metal-organic framework-based materials for the recovery of uranium from aqueous solutions. Inorganic Chemistry Frontiers, 2019, 6, 1924-1937.	6.0	108
12	From 1D Chain to 3D Framework Uranyl Diphosphonates: Syntheses, Crystal Structures, and Selective Ion Exchange. Inorganic Chemistry, 2012, 51, 11458-11465.	4.0	78
13	3-Fold-Interpenetrated Uranium-Organic Frameworks: New Strategy for Rationally Constructing Three-Dimensional Uranyl Organic Materials. Inorganic Chemistry, 2012, 51, 3103-3107.	4.0	74
14	Syntheses and Structures of a Series of Uranyl Phosphonates and Sulfonates: An Insight into Their Correlations and Discrepancies. Inorganic Chemistry, 2013, 52, 2736-2743.	4.0	72
15	Microwave-Assisted Modular Fabrication of Nanoscale Luminescent Metal-Organic Framework for Molecular Sensing. ChemPhysChem, 2012, 13, 2734-2738.	2.1	67
16	Selective Detection of Aromatic Nitrophenols by a Metal-Organic Framework-Based Fluorescent Sensor. Crystal Growth and Design, 2019, 19, 6308-6314.	3.0	65
17	Synthesis, Structures, and Properties of Uranyl Hybrids Constructed by a Variety of Mono- and Polycarboxylic Acids. Inorganic Chemistry, 2013, 52, 12394-12402.	4.0	64
18	Ionothermal Synthesis of Extra-Large-Pore Open-Framework Nickel Phosphite 5% ₃ O ₈ ...[Ni ₈ (HPO ₃) ₉ Cl ₃] _{1.5} ·H ₂ O: Magnetic Anisotropy of the Antiferromagnetism. Angewandte Chemie - International Edition, 2010, 49, 2328-2331.	13.8	63

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19	Photochromic Terbium Phosphonates with Photomodulated Luminescence and Metal Ion Sensitive Detection. <i>Chemistry - A European Journal</i> , 2016, 22, 15451-15457.	3.3	63
20	A Zinc Metal-Organic Framework for Concurrent Adsorption and Detection of Uranium. <i>Inorganic Chemistry</i> , 2020, 59, 9857-9865.	4.0	62
21	In situ Preparation of Chitosan/ZIF-8 Composite Beads for Highly Efficient Removal of U(VI). <i>Frontiers in Chemistry</i> , 2019, 7, 607.	3.6	56
22	A highly selective ratiometric fluorescent probe for doxycycline based on the sensitization effect of bovine serum albumin. <i>Journal of Hazardous Materials</i> , 2021, 416, 125759.	12.4	52
23	Water-stable lanthanide-based metal-organic gel for the detection of organic amines and white-light emission. <i>Journal of Materials Chemistry C</i> , 2020, 8, 13648-13654.	5.5	48
24	Tailor-Made Zinc Uranyl Diphosphonates from Layered to Framework Structures. <i>Crystal Growth and Design</i> , 2012, 12, 4669-4675.	3.0	47
25	Dynamically controlled one-pot synthesis of heterogeneous core-shell MOF single crystals using guest molecules. <i>Chemical Communications</i> , 2014, 50, 11653-11656.	4.1	47
26	Two metal-organic zeolites for highly sensitive and selective sensing of Tb ³⁺ . <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 1129-1134.	6.0	46
27	Recent Advances in Graphitic Carbon Nitride Supported Single-Atom Catalysts for Energy Conversion. <i>ChemCatChem</i> , 2021, 13, 1250-1270.	3.7	46
28	A highly stable, rapid and sensitive fluorescent probe for ciprofloxacin based on Al ³⁺ -enhanced fluorescence of gold nanoclusters. <i>Sensors and Actuators B: Chemical</i> , 2021, 346, 130502.	7.8	46
29	Facile fabrication of melamine sponge-covalent organic framework composite for enhanced degradation of tetracycline under visible light. <i>Chemical Engineering Journal</i> , 2022, 430, 132817.	12.7	46
30	Syntheses, Structures, Luminescence, and Photocatalytic Properties of a Series of Uranyl Coordination Polymers. <i>Crystal Growth and Design</i> , 2014, 14, 5904-5911.	3.0	44
31	In situ modification of ZIF-67 with multi-sulfonated dyes for great enhanced methylene blue adsorption via synergistic effect. <i>Microporous and Mesoporous Materials</i> , 2020, 303, 110304.	4.4	43
32	ZIF-L-Co@carbon fiber paper composite derived Co/Co ₃ O ₄ @C electrocatalyst for ORR in alkali/acidic media and overall seawater splitting. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 33028-33036.	7.1	40
33	Adsorptive separation of C ₂ H ₆ /C ₂ H ₄ on metal-organic frameworks (MOFs) with pillared-layer structures. <i>Separation and Purification Technology</i> , 2020, 242, 116819.	7.9	40
34	The First Uranyl Arsonates Featuring Heterometallic Cation-Cation Interactions with UVI ₂ O ₇ -ZnII Bonding. <i>Inorganic Chemistry</i> , 2012, 51, 11150-11154.	4.0	39
35	Structural Variation within Heterometallic Uranyl Hybrids Based on Flexible Alkyldiphosphonate Ligands. <i>Crystal Growth and Design</i> , 2014, 14, 1366-1374.	3.0	39
36	Entangled Uranyl Organic Frameworks with (10,3)-Topology and Polythreading Network: Structure, Luminescence, and Computational Investigation. <i>Inorganic Chemistry</i> , 2016, 55, 5540-5548.	4.0	39

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37	Interpenetrated Uranylâ€“Organic Frameworks with $\langle i \rangle$ bor $\langle /i \rangle$ and $\langle i \rangle$ pts $\langle /i \rangle$ Topology: Structure, Spectroscopy, and Computation. <i>Inorganic Chemistry</i> , 2017, 56, 14147-14156.	4.0	39
38	Na ₂ [VB ₃ P ₂ O ₁₂ (OH)]Â·2.92H ₂ O: A New Open-Framework Vanadium Borophosphate Containing Extra-Large 16-Ring Pore Openings and 128166 Super Cavities Synthesized by Using the Boric Acid Flux Method. <i>Chemistry of Materials</i> , 2008, 20, 4900-4905.	6.7	37
39	In Situ Ligand Formation-Driven Synthesis of a Uranyl Organic Framework as a Turn-on Fluorescent pH Sensor. <i>Inorganic Chemistry</i> , 2020, 59, 1778-1784.	4.0	36
40	A Multifunctional Mn ^{II} Phosphonate for Rapid Separation of Methyl Orange and Electronâ€“Transfer Photochromism. <i>Chemistry - A European Journal</i> , 2016, 22, 11652-11659.	3.3	34
41	Construction of Uranyl Organic Hybrids by Phosphonate and in Situ Generated Carboxyphosphonate Ligands. <i>Inorganic Chemistry</i> , 2017, 56, 1669-1678.	4.0	34
42	Facile controlled synthesis of coreâ€“shell/yolkâ€“shell/hollow ZIF-67@Co-LDH/SiO ₂ via a self-template method. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 1643-1650.	6.0	34
43	Construction of Three-Dimensional Cobalt(II)-Based Metalâ€“Organic Frameworks by Synergy between Rigid and Semirigid Ligands. <i>Crystal Growth and Design</i> , 2012, 12, 5529-5534.	3.0	33
44	A simple fluorescent probe for fast and sensitive detection of inorganic phosphate based on uranine@ZIF-8 composite. <i>Sensors and Actuators B: Chemical</i> , 2019, 301, 127110.	7.8	33
45	A Zinc Coordination Polymer Sensor for Selective and Sensitive Detection of Doxycycline Based on Fluorescence Enhancement. <i>Crystal Growth and Design</i> , 2021, 21, 4971-4978.	3.0	33
46	Integration of Cd:ZnS QDs into ZIF-8 for enhanced selectivity toward Cu ²⁺ detection. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 3718-3726.	6.0	32
47	Flexible Diphosphonic Acids for the Isolation of Uranyl Hybrids with Heterometallic U ^{VI} â€“Zn ^{II} Cationâ€“Cation Interactions. <i>Inorganic Chemistry</i> , 2013, 52, 8288-8290.	4.0	31
48	Syntheses and Structures of Uranyl Ethylenediphosphonates: From Layers to Elliptical Nanochannels. <i>Inorganic Chemistry</i> , 2013, 52, 7100-7106.	4.0	31
49	A Nanoscale Multiresponsive Luminescent Sensor Based on a Terbium(III) Metalâ€“Organic Framework. <i>Chemistry - an Asian Journal</i> , 2015, 10, 1703-1709.	3.3	31
50	A Nanosized {Ag@Ag ₁₂ } â€“Molecular Windmillâ€“Templated by Polyoxometalates Anions. <i>Inorganic Chemistry</i> , 2014, 53, 11584-11588.	4.0	30
51	Covalent modification of ZIF-90 for uranium adsorption from seawater. <i>Microporous and Mesoporous Materials</i> , 2021, 323, 111231.	4.4	30
52	Salt-tolerant and low-cost flame-treated aerogel for continuously efficient solar steam generation. <i>Solar Energy</i> , 2021, 227, 303-311.	6.1	29
53	Construction of porous Mn(II)-based metalâ€“organic frameworks by flexible hexacarboxylic acid and rigid coligands. <i>CrystEngComm</i> , 2013, 15, 8320.	2.6	28
54	Metal-Organic framework-based Wood Aerogel for Effective Removal of Micro/Nano plastics. <i>Chemical Research in Chinese Universities</i> , 2022, 38, 186-191.	2.6	27

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55	Confined growth of MOF in chitosan matrix for removal of trace Pb(II) from reclaimed water. Separation and Purification Technology, 2022, 294, 121223.	7.9	26
56	Spontaneous crystallization of a new chiral open-framework borophosphate in the ionothermal system. Dalton Transactions, 2010, 39, 1713.	3.3	24
57	A highly efficient metal-organic framework strategy for the synthesis of ternary Ln-Ru-W hybrids. Chemical Communications, 2013, 49, 7911.	4.1	24
58	The First Family of Actinide Carboxyphosphinates: Two- and Three-Dimensional Uranyl Coordination Polymers. European Journal of Inorganic Chemistry, 2014, 2014, 5378-5384.	2.0	24
59	Uranyl Carboxyphosphonates Derived from Hydrothermal in Situ Ligand Reaction: Syntheses, Structures, and Computational Investigations. Inorganic Chemistry, 2015, 54, 8617-8624.	4.0	24
60	Hollow cobalt sulfide for highly efficient uranium adsorption from aqueous solutions. Inorganic Chemistry Frontiers, 2019, 6, 3230-3236.	6.0	24
61	Reusable ZIF-8@chitosan sponge for the efficient and selective removal of congo red. New Journal of Chemistry, 2020, 44, 15459-15466.	2.8	24
62	Dual-emitting piezofluorochromic dye@MOF for white-light generation. Chemical Communications, 2021, 57, 1340-1343.	4.1	24
63	Two efficient pH sensors based on heteronuclear metal-organic frameworks. Journal of Luminescence, 2019, 205, 380-384.	3.1	23
64	A recyclable fluorescent probe for picric acid detection in water samples based on inner filter effect. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 226, 117575.	3.9	23
65	(NH ₄) ₆ [Mn ₃ B ₆ P ₉ O ₃₆ (OH) ₃]·4H ₂ O: A new open-framework manganese borophosphate synthesized by using boric acid flux method. Dalton Transactions, 2011, 40, 2549.	3.3	22
66	Integration of fluorescent probes into metal-organic frameworks for improved performances. RSC Advances, 2020, 10, 33879-33893.	3.6	22
67	Assemblies of metal-organic frameworks based on a tetrapodal linker for luminescence sensing of tetrahydrofuran. CrystEngComm, 2016, 18, 2857-2863.	2.6	21
68	A lithium-organic framework as a fluorescent sensor for detecting aluminum (III) ion. Applied Organometallic Chemistry, 2019, 33, e5044.	3.5	21
69	A ratiometric fluorescence-scattering sensor for rapid, sensitive and selective detection of doxycycline in animal foodstuffs. Food Chemistry, 2022, 373, 131669.	8.2	21
70	A multi-responsive luminescent sensor towards Fe ³⁺ and acetone based on a Cd-containing metal-organic framework. Chinese Chemical Letters, 2016, 27, 497-501.	9.0	20
71	A stable mixed-valent uranium(V, VI) organic framework as a fluorescence thermometer. Inorganic Chemistry Frontiers, 2021, 8, 3514-3521.	6.0	20
72	Structural Variations of the First Family of Heterometallic Uranyl Carboxyphosphinate Assemblies by Synergy between Carboxyphosphinate and Imidazole Ligands. Crystal Growth and Design, 2016, 16, 2011-2018.	3.0	19

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73	A hexanuclear cluster based metal-organic framework for Fe ³⁺ sensing. Inorganic Chemistry Communication, 2018, 91, 108-111.	3.9	19
74	Cellulose Membrane Compositied with ZIF-8 for Selective Separation of Rhodamine B. ChemistrySelect, 2020, 5, 4078-4084.	1.5	19
75	Polyoxometalate@ZIF-67 derived carbon-based catalyst for efficient electrochemical overall seawater splitting and oxygen reduction. International Journal of Hydrogen Energy, 2022, 47, 2178-2186.	7.1	19
76	Luminescent character of mesoporous silica with Er ₂ O ₃ composite materials. Microporous and Mesoporous Materials, 2013, 170, 113-122.	4.4	18
77	A metal-organic gel-based fluorescent chemosensor for selective Al ³⁺ detection. Applied Organometallic Chemistry, 2019, 33, e5179.	3.5	18
78	Synthesis, structure and magnetic property of a new organo-templated mixed-valent iron(ii, iii) borophosphate. Journal of Materials Chemistry, 2009, 19, 4523.	6.7	16
79	Syntheses, structures and luminescent properties of two organic templated uranyl phosphonates. Inorganic Chemistry Communication, 2013, 34, 55-57.	3.9	16
80	Luminescent Detection of Cr(VI) and Mn(VII) Based on a Stable Supramolecular Organic Framework. Crystal Growth and Design, 2020, 20, 6888-6895.	3.0	15
81	Facile preparation of covalent organic frameworks@alginate composite beads for enhanced uranium(VI) adsorption. Rare Metals, 2022, 41, 1323-1331.	7.1	15
82	Construction of Cu(ii) coordination polymers based on semi-rigid tetrahedral pyridine ligands. RSC Advances, 2013, 3, 25065.	3.6	14
83	Two bimetallic metal-organic frameworks capable of direct photocatalytic degradation of dyes under visible light. Transition Metal Chemistry, 2019, 44, 275-281.	1.4	14
84	Cobalt nanoparticle-carbon nanoplate as the solar absorber of a wood aerogel evaporator for continuously efficient desalination. Environmental Science: Water Research and Technology, 2021, 8, 151-161.	2.4	14
85	Modulation of the Host-Guest Interactions in a Metal-Organic Framework for Multiple Anticounterfeiting Applications. Inorganic Chemistry, 2022, 61, 456-463.	4.0	14
86	Magnetic porphyrin-based metal organic gel for rapid RhB removal and enhanced antibacterial activity by heterogeneous Photo-Fenton reaction under visible light. Chemosphere, 2022, 303, 135114.	8.2	13
87	Decorating Covalent Organic Frameworks with High-density Chelate Groups for Uranium Extraction. Chemical Research in Chinese Universities, 2022, 38, 433-439.	2.6	12
88	Hydrothermal synthesis of isostructural open-framework manganese and iron borophosphates: Effect of the organic templates in determining the pore shapes. Solid State Sciences, 2011, 13, 757-761.	3.2	11
89	Syntheses, structures and luminescent properties of two one-dimensional uranium oxyfluorides. Inorganic Chemistry Communication, 2012, 23, 46-49.	3.9	11
90	Turn-on Fluorescence Detection of Acetic Acid in Wine Using a Uranyl-Organic Framework. Crystal Growth and Design, 2022, 22, 1984-1990.	3.0	10

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91	Isolation of a series of uranium organophosphinates. CrystEngComm, 2014, 16, 8073-8080.	2.6	9
92	Modulation of High-Spin Co(II) in Li/Co-MOFs as Efficient Fenton-like Catalysts. Inorganic Chemistry, 2021, 60, 12405-12412.	4.0	9
93	ZIFs@chitosan Derived Efficient Bimetallic Carbon-Based Catalyst for Oxygen Reduction. Industrial & Engineering Chemistry Research, 2022, 61, 6156-6162.	3.7	9
94	Dye-Encapsulated Lanthanide-Based Metal-Organic Frameworks as a Dual-Emission Sensitization Platform for Alachlor Sensing. Inorganic Chemistry, 2022, 61, 9801-9807.	4.0	9
95	Bisactinyl halogenated complexes: relativistic density functional theory calculation and experimental synthesis. RSC Advances, 2013, 3, 1572-1582.	3.6	8
96	A nanosized heterometallic {Zn ₂ Ru ₃ } coordination cage templated by various polyoxometalates. Dalton Transactions, 2014, 43, 17244-17247.	3.3	8
97	A Simple Colorimetric Probe for Sensitive Detection of Hg ²⁺ Based on MnO ₂ Nanosheets and Monothioglycerol. ChemistrySelect, 2020, 5, 13888-13894.	1.5	8
98	Efficient Removal of U(VI) Using Functionalized Hollow Mesoporous Silica Nanospheres. ChemistrySelect, 2019, 4, 7396-7402.	1.5	7
99	Enhanced uranium extraction from aqueous solution using hollow ZIF-8. Journal of Radioanalytical and Nuclear Chemistry, 2021, 329, 1011-1017.	1.5	7
100	Ultra-Small Noble Metal Ceria-Based Catalytic Materials: From Synthesis to Application. European Journal of Inorganic Chemistry, 2021, 2021, 689-701.	2.0	6
101	A new organically templated open-framework uranyl ethylenediphosphonate. Inorganic Chemistry Communication, 2014, 46, 110-112.	3.9	5
102	AIE Infinite Coordination Polymer for Phosphate Ion Detection via Aggregation State Modulation. ChemistrySelect, 2020, 5, 11483-11488.	1.5	4
103	Facile syntheses of tetrahedral imidazolate framework for CO ₂ separation. Journal of Solid State Chemistry, 2021, 297, 122100.	2.9	4
104	Fluorescent zinc coordination polymer for highly selective and sensitive detection of 2,4,6-trinitrophenol in aqueous media. Journal of Solid State Chemistry, 2022, 309, 122987.	2.9	4
105	Heterometallic zinc uranium oxyfluorides incorporating imidazole ligands. Chinese Chemical Letters, 2015, 26, 641-645.	9.0	3
106	Layered and three-dimensional uranyl-organic assemblies with 4,4'-oxidipthalic acid. Chinese Chemical Letters, 2016, 27, 325-329.	9.0	2
107	Metal-organic Framework Humidity Sensing Based on Optical Fiber Fabry-Perot Interference. , 2021, , ,		2