Shu-ao Wang

List of Publications by Year
in descending order

223	13,092	22153	29157
papers	citations	59 h-index	104 g-index

234	234	234	6843
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Efficient sequestration of radioactive 99TcO4- by a rare 3-fold interlocking cationic metal-organic framework: A combined batch experiments, pair distribution function, and crystallographic investigation. Chemical Engineering Journal, 2022, 427, 130942.	12.7	37
2	Water-stable metalâ€“organic frameworkâ€“based nanomaterials for removal of heavy metal ions and radionuclides. , 2022, , 49-126.		1
3	Boosting the Optoelectronic Performance by Regulating Exciton Behaviors in a Porous Semiconductive Metalâ€“Organic Framework. Journal of the American Chemical Society, 2022, 144, 2189-2196.	13.7	37
4	Efficient separation between trivalent americium and lanthanides enabled by a phenanthroline-based polymeric organic framework. Chinese Chemical Letters, 2022, 33, 3429-3434.	9.0	18
5	Hinokitiol, an Advanced Bidentate Ligand for Uranyl Decorporation. Inorganic Chemistry, 2022, 61, 3886-3892.	4.0	9
6	Selective hydroboration of terminal alkynes catalyzed by heterometallic clusters with uraniumâ€“metal triple bonds. CheM, 2022, 8, 1361-1375.	11.7	15
7	Unassisted Uranyl Photoreduction and Separation in a Donorâ€“Acceptor Covalent Organic Framework. Chemistry of Materials, 2022, 34, 2771-2778.	6.7	49
8	Ultra-Efficient Americium/Lanthanide Separation through Oxidation State Control. Journal of the American Chemical Society, 2022, 144, 6383-6389.	13.7	33
9	Precise recognition of palladium through interlaminar chelation in a covalent organic framework. CheM, 2022, 8, 1442-1459.	11.7	53
10	Turn-up Luminescent Sensing of Ultraviolet Radiation by Lanthanide Metalâ€“Organic Frameworks. Inorganic Chemistry, 2022, 61, 4561-4565.	4.0	10
11	A Multifunctional Porous Uranyl Phosphonate Framework for Cyclic Utilization: Salvages, Uranyl Leaking Prevention, and Fluorescent Sensing. ACS Applied Materials & Interfaces, 2022, 14, 14380-14387.	8.0	16
12	ssDNA functionalized nanodiamonds for uranium decorporation. Chinese Chemical Letters, 2022, 33, 3570-3572.	9.0	3
13	Professor Zhifang Chai: Scientific Contributions and Achievements. Chinese Chemical Letters, 2022, , .	9.0	0
14	The development of molecular and nano actinide decorporation agents. Chinese Chemical Letters, 2022, 33, 3395-3404.	9.0	9
15	Ionothermal synthesis of a highly crystalline zirconium phosphate proton conductor. Dalton Transactions, 2022, 51, 8182-8185.	3.3	3
16	Developing a Unique Hydrogen-Bond Network in a Uranyl Coordination Framework for Fuel Cell Applications. Inorganic Chemistry, 2022, 61, 8036-8042.	4.0	8
17	Efficient Xe/Kr Separation Based on a Lanthanideâ€“Organic Framework with One-Dimensional Local Positively Charged Rhomboid Channels. ACS Applied Materials & Interfaces, 2022, 14, 22233-22241.	8.0	18
18	Perrhenate recognition within a superphane cavity. CheM, 2022, 8, 1543-1545.	11.7	2

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19	Decorporation of uranyl in kidneys using an engineered nanocomposite. Environmental Science: Nano, 2022, 9, 2704-2712.	4.3	2
20	In Vivo Uranium Decorporation by a Tailor-Made Hexadentate Ligand. Journal of the American Chemical Society, 2022, 144, 11054-11058.	13.7	28
21	Photochemical Synthesis of Transition Metal-Stabilized Uranium(VI) Nitride Complexes. Nature Communications, 2022, 13, .	12.8	16
22	Uranyl Phosphonates with Multiple Uranyl Coordination Geometries and Low Temperature Phase Transition. Chinese Journal of Chemistry, 2021, 39, 597-604.	4.9	8
23	Facile Dinitrogen and Dioxygen Cleavage by a Uranium(III) Complex: Cooperativity Between the Nonâ€Innocent Ligand and the Uranium Center. Angewandte Chemie, 2021, 133, 477-483.	2.0	5
24	The first actinide polyiodate: a complex multifunctional compound with promising X-ray luminescence properties and proton conductivity. Chemical Communications, 2021, 57, 496-499.	4.1	15
25	Facile Dinitrogen and Dioxygen Cleavage by a Uranium(III) Complex: Cooperativity Between the Nonâ€Innocent Ligand and the Uranium Center. Angewandte Chemie - International Edition, 2021, 60, 473-479.	13.8	42
26	Efficient Sr-90 removal from highly alkaline solution by an ultrastable crystalline zirconium phosphonate. Chemical Communications, 2021, 57, 8452-8455.	4.1	15
27	Reaction: Semiconducting MOFs Offer New Strategy for Uranium Extraction from Seawater. CheM, 2021, 7, 279-280.	11.7	35
28	Unveiling the Uncommon Fluorescent Recognition Mechanism towards Pertechnetate Using a Cationic Metalâ€“Organic Framework Bearing Nâ€Heterocyclic AIE Molecules. Chemistry - A European Journal, 2021, 27, 5632-5637.	3.3	19
29	Intrinsic Semiconducting Behavior in a Large Mixedâ€Valent Uranium(V/VI) Cluster. Angewandte Chemie, 2021, 133, 9974-9978.	2.0	4
30	Intrinsic Semiconducting Behavior in a Large Mixedâ€Valent Uranium(V/VI) Cluster. Angewandte Chemie - International Edition, 2021, 60, 9886-9890.	13.8	36
31	⁹⁹TcO₄^{â€“} Separation through Selective Crystallization Assisted by Polydentate Benzene-Aminoguanidinium Ligands. Inorganic Chemistry, 2021, 60, 6463-6471.	4.0	17
32	Characterization of a strong covalent Th3+â€“Th3+ bond inside an Ih(7)-C80 fullerene cage. Nature Communications, 2021, 12, 2372.	12.8	34
33	Electron Beam Irradiationâ€Induced Formation of Defectâ€Rich Zeolites under Ambient Condition within Minutes. Angewandte Chemie, 2021, 133, 14984-14989.	2.0	2
34	Visible colorimetric dosimetry of UV and ionizing radiations by a dual-module photochromic nanocluster. Nature Communications, 2021, 12, 2798.	12.8	55
35	Multivalent cooperativity induced by self-assembly for f-element separation. Communications Chemistry, 2021, 4, .	4.5	1
36	Rational design of a cationic polymer network towards record high uptake of 99TcO4â^' in nuclear waste. Science China Chemistry, 2021, 64, 1251-1260.	8.2	67

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37	Electron Beam Irradiationâ€Induced Formation of Defectâ€Rich Zeolites under Ambient Condition within Minutes. Angewandte Chemie - International Edition, 2021, 60, 14858-14863.	13.8	22
38	Achieving and Stabilizing Uranyl Bending via Physical Pressure. Inorganic Chemistry, 2021, 60, 8419-8422.	4.0	3
39	Fabrication of a Wide Color Gamut pc-WLED Surpassing 107% NTSC Based on a Robust Luminescent Uranyl Phosphate. Chemistry of Materials, 2021, 33, 6329-6337.	6.7	9
40	Deuterated Covalent Organic Frameworks with Significantly Enhanced Luminescence. Angewandte Chemie, 2021, 133, 21420-21425.	2.0	0
41	Deuterated Covalent Organic Frameworks with Significantly Enhanced Luminescence. Angewandte Chemie - International Edition, 2021, 60, 21250-21255.	13.8	30
42	Task-Specific Tailored Cationic Polymeric Network with High Base-Resistance for Unprecedented ⁹⁹TcO₄^{â€“} Cleanup from Alkaline Nuclear Waste. ACS Central Science, 2021, 7, 1441-1450.	11.3	101
43	Ratiometric recognition of humidity by a europium-organic framework equipped with quasi-open metal site. Science China Chemistry, 2021, 64, 1723-1729.	8.2	7
44	Efficient capture of Sr²⁺ from acidic aqueous solution by an 18-crown-6-ether-based metal organic framework. CrystEngComm, 2021, 23, 3349-3355.	2.6	16
45	Gleaming Uranium: An Emerging Emitter for Building Xâ€ray Scintillators. Chemistry - A European Journal, 2020, 26, 1900-1905.	3.3	16
46	A unique uranyl framework containing uranyl pentamers as secondary building units: synthesis, structure, and spectroscopic properties. Dalton Transactions, 2020, 49, 3676-3679.	3.3	21
47	Chromate separation by selective crystallization. Chinese Chemical Letters, 2020, 31, 1974-1977.	9.0	9
48	Color-tunable X-ray scintillation based on a series of isotypic lanthanideâ€“organic frameworks. Chemical Communications, 2020, 56, 233-236.	4.1	58
49	Evaluation of materials for iodine and technetium immobilization through sorption and redox-driven processes. Science of the Total Environment, 2020, 716, 136167.	8.0	16
50	99TcO4â^' removal from legacy defense nuclear waste by an alkaline-stable 2D cationic metal organic framework. Nature Communications, 2020, 11, 5571.	12.8	124
51	Dinitrogen Cleavage by a Heterometallic Cluster Featuring Multiple Uraniumâ€“Rhodium Bonds. Journal of the American Chemical Society, 2020, 142, 15004-15011.	13.7	64
52	A Photoconductive Xâ€ray Detector with a High Figure of Merit Based on an Openâ€Framework Chalcogenide Semiconductor. Angewandte Chemie, 2020, 132, 18764-18769.	2.0	1
53	Evaluation of Chemical Bonding in Actinyl(VI/V) Oxo-Crown-Ether Complexes for Actinide Series from Uranium to Curium. Inorganic Chemistry, 2020, 59, 11953-11961.	4.0	11
54	A Photoconductive Xâ€ray Detector with a High Figure of Merit Based on an Openâ€Framework Chalcogenide Semiconductor. Angewandte Chemie - International Edition, 2020, 59, 18605-18610.	13.8	21

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55	Three-Dimensional Polycatenation of a Uranium-Based Metalâ€“Organic Cage: Structural Complexity and Radiation Detection. Journal of the American Chemical Society, 2020, 142, 16218-16222.	13.7	89
56	Multimodal Luminescent Yb³⁺/Er³⁺/Bi³⁺â€Doped Perovskite Single Crystals for Xâ€ray Detection and Antiâ€Counterfeiting. Advanced Materials, 2020, 32, e2004506.	21.0	187
57	A uranyl based coordination polymer showing response to low-dosage ionizing radiations down to 10â^'5 Gy. Science China Chemistry, 2020, 63, 1608-1612.	8.2	22
58	Extreme condition high temperature and high pressure studies of the Kâ€“Uâ€“Moâ€“O system. Dalton Transactions, 2020, 49, 15843-15853.	3.3	5
59	Emergence of a Radicalâ€Stabilizing Metalâ€“Organic Framework as a Radioâ€photoluminescence Dosimeter. Angewandte Chemie - International Edition, 2020, 59, 15209-15214.	13.8	56
60	Insights into the Structural Chemistry of Anhydrous and Hydrous Hexavalent Uranium and Neptunium Dinitrato, Trinitrato, and Tetranitrato Complexes. Inorganic Chemistry, 2020, 59, 7204-7215.	4.0	12
61	Modulated synthesis and isoreticular expansion of Th-MOFs with record high pore volume and surface area for iodine adsorption. Chemical Communications, 2020, 56, 6715-6718.	4.1	81
62	Unusual Heterometallic Cation-Cation Interactions in Uranyl Zinc Germanates. European Journal of Inorganic Chemistry, 2020, 2020, 2182-2185.	2.0	2
63	Cu Nanoclusters/FeN₄ Amorphous Composites with Dual Active Sites in N-Doped Graphene for High-Performance Znâ€“Air Batteries. ACS Applied Materials & Interfaces, 2020, 12, 31340-31350.	8.0	71
64	A Porous Aromatic Framework Functionalized with Luminescent Iridium(III) Organometallic Complexes for Turn-On Sensing of ⁹⁹TcO₄^{â€“}. ACS Applied Materials & Interfaces, 2020, 12, 15288-15297.	8.0	46
65	Construction of heterometallic clusters with multiple uraniumâ€“metal bonds by using dianionic nitrogenâ€“phosphorus ligands. Chemical Science, 2020, 11, 7585-7592.	7.4	27
66	Frontispiece: Gleaming Uranium: An Emerging Emitter for Building Xâ€ray Scintillators. Chemistry - A European Journal, 2020, 26, .	3.3	0
67	Twoâ€Dimensional Uranyl Borates: From Conventional to Extreme Synthetic Conditions. European Journal of Inorganic Chemistry, 2020, 2020, 407-416.	2.0	7
68	Uptake and separation of Xe and Kr by a zeolitic imidazolate framework with a desirable pore window. Journal of Radioanalytical and Nuclear Chemistry, 2020, 324, 1275-1281.	1.5	8
69	Electron Beam Irradiation as a General Approach for the Rapid Synthesis of Covalent Organic Frameworks under Ambient Conditions. Journal of the American Chemical Society, 2020, 142, 9169-9174.	13.7	90
70	Thermoplastic Membranes Incorporating Semiconductive Metalâ€“Organic Frameworks: An Advance on Flexible Xâ€ray Detectors. Angewandte Chemie, 2020, 132, 11954-11958.	2.0	46
71	Thermoplastic Membranes Incorporating Semiconductive Metalâ€“Organic Frameworks: An Advance on Flexible Xâ€ray Detectors. Angewandte Chemie - International Edition, 2020, 59, 11856-11860.	13.8	60
72	Emergence of a Radicalâ€Stabilizing Metalâ€“Organic Framework as a Radioâ€photoluminescence Dosimeter. Angewandte Chemie, 2020, 132, 15321-15326.	2.0	14

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73	Atom-precise incorporation of platinum into ultrafine transition metal carbides for efficient synergetic electrochemical hydrogen evolution. Journal of Materials Chemistry A, 2020, 8, 4911-4919.	10.3	17
74	Stabilization of Plutonium(V) Within a Crown Ether Inclusion Complex. CCS Chemistry, 2020, 2, 425-431.	7.8	39
75	Identification of a uraniumâ€“rhodium triple bond in a heterometallic cluster. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 17654-17658.	7.1	35
76	Reticular Chemistry of Uranyl Phosphonates: Sterically Hindered Phosphonate Ligand Method is Significant for Constructing Zeroâ€Dimensional Secondary Building Units. Chemistry - A European Journal, 2019, 25, 12567-12575.	3.3	18
77	Size-dependent selective crystallization using an inorganic mixed-oxoanion system for lanthanide separation. Dalton Transactions, 2019, 48, 12808-12811.	3.3	16
78	Radionuclide sequestration by metal-organic frameworks. , 2019, , 355-382.		1
79	Introducing Uranium as the Activator toward Highly Stable Narrow-Band Green Emitters with Near-Unity Quantum Efficiency. Chemistry of Materials, 2019, 31, 9684-9690.	6.7	22
80	Three Mechanisms in One Material: Uranium Capture by a Polyoxometalateâ€“Organic Framework through Combined Complexation, Chemical Reduction, and Photocatalytic Reduction. Angewandte Chemie, 2019, 131, 16256-16260.	2.0	32
81	Three Mechanisms in One Material: Uranium Capture by a Polyoxometalateâ€“Organic Framework through Combined Complexation, Chemical Reduction, and Photocatalytic Reduction. Angewandte Chemie - International Edition, 2019, 58, 16110-16114.	13.8	288
82	Photo-exfoliation of a highly photo-responsive two-dimensional metalâ€“organic framework. Chemical Communications, 2019, 55, 11715-11718.	4.1	24
83	Separation of actinides from lanthanides associated with spent nuclear fuel reprocessing in China: current status and future perspectives. Radiochimica Acta, 2019, 107, 951-964.	1.2	16
84	Assembly of porphyrin-based uranium organic frameworks with (3,4)-connected pto and tbo topologies. Dalton Transactions, 2019, 48, 1595-1598.	3.3	13
85	Transition-metal-bridged bimetallic clusters with multiple uraniumâ€“metal bonds. Nature Chemistry, 2019, 11, 248-253.	13.6	66
86	Inorganic X-ray Scintillators Based on a Previously Unnoticed but Intrinsically Advantageous Metal Center. Inorganic Chemistry, 2019, 58, 2807-2812.	4.0	13
87	Emerging investigator series: significantly enhanced uptake of Eu³⁺ on a nanoporous zeolitic mineral in the presence of UO₂²⁺: insights into the impact of cationâ€“cation interaction on the geochemical behavior of lanthanides and actinides. Environmental Science: Nano, 2019, 6, 736-746.	4.3	21
88	Rational Synthesis of Novel Phosphorylated Chitosan-Carboxymethyl Cellulose Composite for Highly Effective Decontamination of U(VI). ACS Sustainable Chemistry and Engineering, 2019, 7, 5393-5403.	6.7	96
89	Separation and Remediation of ⁹⁹TcO₄^{â€“} from Aqueous Solutions. Chemistry of Materials, 2019, 31, 3863-3877.	6.7	106
90	[Ln 6 O 8] Clusterâ€Encapsulating Polyplumbites as New Polyoxometalate Members and Record Inorganic Anionâ€Exchange Materials for ReO 4 â^' Sequestration. Advanced Science, 2019, 6, 1900381.	11.2	16

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91	Synthesis of novel nanomaterials and their application in efficient removal of radionuclides. Science China Chemistry, 2019, 62, 933-967.	8.2	256
92	A 3,2-Hydroxypyridinone-based Decorporation Agent that Removes Uranium from Bones In Vivo. Nature Communications, 2019, 10, 2570.	12.8	107
93	Nano-MOF⁺ Technique for Efficient Uranyl Remediation. ACS Applied Materials & Interfaces, 2019, 11, 21619-21626.	8.0	59
94	Direct Radiation Detection by a Semiconductive Metalâ€“Organic Framework. Journal of the American Chemical Society, 2019, 141, 8030-8034.	13.7	85
95	A hydrolytically stable europiumâ€“organic framework for the selective detection of radioactive Th⁴⁺ in aqueous solution. CrystEngComm, 2019, 21, 3471-3477.	2.6	13
96	Powerful uranium extraction strategy with combined ligand complexation and photocatalytic reduction by postsynthetically modified photoactive metal-organic frameworks. Applied Catalysis B: Environmental, 2019, 254, 47-54.	20.2	222
97	3,4-Hydroxypyridinone-modified carbon quantum dot as a highly sensitive and selective fluorescent probe for the rapid detection of uranyl ions. Environmental Science: Nano, 2019, 6, 1457-1465.	4.3	40
98	Distinctive Two-Step Intercalation of Sr2+ into a Coordination Polymer with Record High 90Sr Uptake Capabilities. CheM, 2019, 5, 977-994.	11.7	119
99	Optimizing radionuclide sequestration in anion nanotraps with record pertechnetate sorption. Nature Communications, 2019, 10, 1646.	12.8	122
100	3-Hydroxy-2-Pyrrolidinone as a Potential Bidentate Ligand for in Vivo Chelation of Uranyl with Low Cytotoxicity and Moderate Decorporation Efficacy: A Solution Thermodynamics, Structural Chemistry, and in Vivo Uranyl Removal Survey. Inorganic Chemistry, 2019, 58, 3349-3354.	4.0	17
101	Mechanism unravelling for ultrafast and selective ⁹⁹TcO₄^{â^'} uptake by a radiation-resistant cationic covalent organic framework: a combined radiological experiment and molecular dynamics simulation study. Chemical Science, 2019, 10, 4293-4305.	7.4	181
102	Successful Decontamination of ⁹⁹TcO₄^{â^'} in Groundwater at Legacy Nuclear Sites by a Cationic Metalâ€Organic Framework with Hydrophobic Pockets. Angewandte Chemie - International Edition, 2019, 58, 4968-4972.	13.8	177
103	Successful Decontamination of ⁹⁹TcO₄^{â^'} in Groundwater at Legacy Nuclear Sites by a Cationic Metalâ€Organic Framework with Hydrophobic Pockets. Angewandte Chemie, 2019, 131, 5022-5026.	2.0	37
104	Diuranium(IV) Carbide Cluster U₂C₂ Stabilized Inside Fullerene Cages. Journal of the American Chemical Society, 2019, 141, 20249-20260.	13.7	40
105	Competing Crystallization between Lanthanide and Actinide in Acidic Solution Leading to Their Efficient Separation. Chinese Journal of Chemistry, 2019, 37, 53-57.	4.9	20
106	Efficient and selective sensing of Cu2+ and UO22+ by a europium metal-organic framework. Talanta, 2019, 196, 515-522.	5.5	69
107	Ratiometric Monitoring of Thorium Contamination in Natural Water Using a Dual-Emission Luminescent Europium Organic Framework. Environmental Science & Technology, 2019, 53, 332-341.	10.0	90
108	Persistent Superprotonic Conductivity in the Order of 10â^'1 SÂ·cmâ^'1 Achieved Through Thermally Induced Structural Transformation of a Uranyl Coordination Polymer. CCS Chemistry, 2019, 1, 197-206.	7.8	63

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109	An ingenious one-dimensional zirconium phosphonate with efficient strontium exchange capability and moderate proton conductivity. Dalton Transactions, 2018, 47, 5161-5165.	3.3	16
110	Macroscopic and spectral exploration on the removal performance of pristine and phytic acid-decorated titanate nanotubes towards Eu(III). Journal of Molecular Liquids, 2018, 258, 66-73.	4.9	22
111	A uranyl phosphonate framework with a temperature-induced orderâ€“disorder transition and temperature-correlated photoluminescence. CrystEngComm, 2018, 20, 3153-3157.	2.6	14
112	Covalent Organic Framework Functionalized with 8-Hydroxyquinoline as a Dual-Mode Fluorescent and Colorimetric pH Sensor. ACS Applied Materials & Interfaces, 2018, 10, 15364-15368.	8.0	136
113	Unique Proton Transportation Pathway in a Robust Inorganic Coordination Polymer Leading to Intrinsically High and Sustainable Anhydrous Proton Conductivity. Journal of the American Chemical Society, 2018, 140, 6146-6155.	13.7	181
114	Preparation of thermochromic selenidostannates in deep eutectic solvents. Chemical Communications, 2018, 54, 4806-4809.	4.1	30
115	Superprotonic conduction through one-dimensional ordered alkali metal ion chains in a lanthanide-organic framework. Chemical Communications, 2018, 54, 4429-4432.	4.1	52
116	Employing an Unsaturated Th⁴⁺ Site in a Porous Thoriumâ€“Organic Framework for Kr/Xe Uptake and Separation. Angewandte Chemie - International Edition, 2018, 57, 5783-5787.	13.8	122
117	Emergence of Uranium as a Distinct Metal Center for Building Intrinsic Xâ€ray Scintillators. Angewandte Chemie - International Edition, 2018, 57, 7883-7887.	13.8	198
118	Emergence of Uranium as a Distinct Metal Center for Building Intrinsic Xâ€ray Scintillators. Angewandte Chemie, 2018, 130, 8009-8013.	2.0	32
119	Employing an Unsaturated Th⁴⁺ Site in a Porous Thoriumâ€“Organic Framework for Kr/Xe Uptake and Separation. Angewandte Chemie, 2018, 130, 5885-5889.	2.0	29
120	A supramolecular lanthanide separation approach based on multivalent cooperative enhancement of metal ion selectivity. Nature Communications, 2018, 9, 547.	12.8	102
121	Facile and Efficient Decontamination of Thorium from Rare Earths Based on Selective Selenite Crystallization. Inorganic Chemistry, 2018, 57, 1880-1887.	4.0	32
122	Efficient uptake of perrhenate/pertechnenate from aqueous solutions by the bifunctional anion-exchange resin. Radiochimica Acta, 2018, 106, 581-591.	1.2	74
123	Phase transition triggered aggregation-induced emission in a photoluminescent uranylâ€“organic framework. Chemical Communications, 2018, 54, 627-630.	4.1	35
124	Highly Sensitive Detection of UV Radiation Using a Uranium Coordination Polymer. ACS Applied Materials & Interfaces, 2018, 10, 4844-4850.	8.0	52
125	Efficient Capture of Perrhenate and Pertechnetate by a Mesoporous Zr Metalâ€“Organic Framework and Examination of Anion Binding Motifs. Chemistry of Materials, 2018, 30, 1277-1284.	6.7	125
126	An Ultrastable Heterobimetallic Uranium(IV)/Vanadium(III) Solid Compound Protected by a Redox-Active Phosphite Ligand: Crystal Structure, Oxidative Dissolution, and First-Principles Simulation. Inorganic Chemistry, 2018, 57, 903-907.	4.0	8

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127	Tunable 4f/5f Bimodal Emission in Europium-Incorporated Uranyl Coordination Polymers. Inorganic Chemistry, 2018, 57, 575-582.	4.0	33
128	Synthesis and Study of the First Zeolitic Uranium Borate. Crystal Growth and Design, 2018, 18, 498-505.	3.0	15
129	A hydrolytically stable uranyl organic framework for highly sensitive and selective detection of Fe³⁺ in aqueous media. Dalton Transactions, 2018, 47, 649-653.	3.3	64
130	Single-crystal-to-single-crystal desolvation in a Ti₃₂ nanoring cluster. CrystEngComm, 2018, 20, 7062-7065.	2.6	6
131	One-dimensional chain structures of hexanuclear uranium(<scp>iv</scp>) clusters bridged by formate ligands. RSC Advances, 2018, 8, 34947-34953.	3.6	6
132	Double dative bond between divalent carbon(0) and uranium. Nature Communications, 2018, 9, 4997.	12.8	63
133	Highly Inâ€Plane Anisotropic 2D GeAs₂ for Polarizationâ€Sensitive Photodetection. Advanced Materials, 2018, 30, e1804541.	21.0	140
134	3,2-Hydroxypyridinone-Grafted Chitosan Oligosaccharide Nanoparticles as Efficient Decorporation Agents for Simultaneous Removal of Uranium and Radiation-Induced Reactive Oxygen Species in Vivo. Bioconjugate Chemistry, 2018, 29, 3896-3905.	3.6	21
135	In Situ Reduction from Uranyl Ion into a Tetravalent Uranium Trimer and Hexamer Featuring Ion-Exchange Properties and the Alexandrite Effect. Inorganic Chemistry, 2018, 57, 6753-6761.	4.0	16
136	Structural and thermodynamic stability of uranylâ€“deferiprone complexes and the removal efficacy of U(<scp>vi</scp>) at the cellular level. Dalton Transactions, 2018, 47, 8764-8770.	3.3	13
137	InnenrÃ¼cktitelbild: Emergence of Uranium as a Distinct Metal Center for Building Intrinsic X-ray Scintillators (Angew. Chem. 26/2018). Angewandte Chemie, 2018, 130, 8031-8031.	2.0	1
138	A diuranium carbide cluster stabilized inside a C80 fullerene cage. Nature Communications, 2018, 9, 2753.	12.8	63
139	Monitoring Ultraviolet Radiation Dosage Based on a Luminescent Lanthanide Metalâ€“Organic Framework. Inorganic Chemistry, 2018, 57, 8714-8717.	4.0	19
140	99TcO4â¯ remediation by a cationic polymeric network. Nature Communications, 2018, 9, 3007.	12.8	234
141	A neptunium(<scp>v</scp>)-mediated interwoven transuranium-rotaxane network incorporating a mechanically interlocked [c2]daisy chain unit. Chemical Communications, 2018, 54, 8645-8648.	4.1	21
142	Efficient and Selective Uptake of TcO₄^{â€“} by a Cationic Metalâ€“Organic Framework Material with Open Ag⁺ Sites. Environmental Science & Technology, 2017, 51, 3471-3479.	10.0	323
143	Highly Sensitive and Selective Uranium Detection in Natural Water Systems Using a Luminescent Mesoporous Metalâ€“Organic Framework Equipped with Abundant Lewis Basic Sites: A Combined Batch, X-ray Absorption Spectroscopy, and First Principles Simulation Investigation. Environmental Science & Technology, 2017, 51, 3911-3921.	10.0	331
144	Hydrolytically Stable Luminescent Cationic Metal Organic Framework for Highly Sensitive and Selective Sensing of Chromate Anions in Natural Water Systems. ACS Applied Materials & Interfaces, 2017, 9, 16448-16457.	8.0	223

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145	Significant Proton Conductivity Enhancement through Rapid Water-Induced Structural Transformation from a Cationic Framework to a Water-Rich Neutral Chain. Crystal Growth and Design, 2017, 17, 3847-3853.	3.0	30
146	Highly Sensitive Detection of Ionizing Radiations by a Photoluminescent Uranyl Organic Framework. Angewandte Chemie - International Edition, 2017, 56, 7500-7504.	13.8	214
147	Highly Sensitive Detection of Ionizing Radiations by a Photoluminescent Uranyl Organic Framework. Angewandte Chemie, 2017, 129, 7608-7612.	2.0	42
148	Systematic Investigation of the in Situ Reduction Process from U(VI) to U(IV) in a Phosphonate System under Mild Solvothermal Conditions. Inorganic Chemistry, 2017, 56, 6952-6964.	4.0	21
149	Exceptional Perrhenate/Pertechnetate Uptake and Subsequent Immobilization by a Low-Dimensional Cationic Coordination Polymer: Overcoming the Hofmeister Bias Selectivity. Environmental Science and Technology Letters, 2017, 4, 316-322.	8.7	181
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