## List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Identifying the Recognition Site for Selective Trapping of <sup>99</sup> TcO <sub>4</sub> <sup>–</sup> in a Hydrolytically Stable and Radiation Resistant Cationic Metal–Organic Framework. Journal of the American Chemical Society, 2017, 139, 14873-14876.	13.7	386
2	Overcoming the crystallization and designability issues in the ultrastable zirconium phosphonate framework system. Nature Communications, 2017, 8, 15369.	12.8	366
3	Highly Sensitive and Selective Uranium Detection in Natural Water Systems Using a Luminescent Mesoporous Metal–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
4	A mesoporous cationic thorium-organic framework that rapidly traps anionic persistent organic pollutants. Nature Communications, 2017, 8, 1354.	12.8	296
5	Degradable Carbon Dots with Broad-Spectrum Antibacterial Activity. ACS Applied Materials & Interfaces, 2018, 10, 26936-26946.	8.0	246
6	99TcO4â <sup>~</sup> ' remediation by a cationic polymeric network. Nature Communications, 2018, 9, 3007.	12.8	234
7	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
8	A nitrogen-rich covalent organic framework for simultaneous dynamic capture of iodine and methyl iodide. CheM, 2021, 7, 699-714.	11.7	197
9	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
10	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
11	Mechanism unravelling for ultrafast and selective <sup>99</sup> TcO <sub>4</sub> <sup>â^'</sup> 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
12	Successful Decontamination of <sup>99</sup> TcO <sub>4</sub> <sup>â^'</sup> 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
13	99TcO4â^' removal from legacy defense nuclear waste by an alkaline-stable 2D cationic metal organic framework. Nature Communications, 2020, 11, 5571.	12.8	124
14	Distinctive Two-Step Intercalation of Sr2+ into a Coordination Polymer with Record High 90Sr Uptake Capabilities. CheM, 2019, 5, 977-994.	11.7	119
15	A 3,2-Hydroxypyridinone-based Decorporation Agent that Removes Uranium from Bones In Vivo. Nature Communications, 2019, 10, 2570.	12.8	107
16	Task-Specific Tailored Cationic Polymeric Network with High Base-Resistance for Unprecedented <sup>99</sup> TcO <sub>4</sub> <sup>–</sup> Cleanup from Alkaline Nuclear Waste. ACS Central Science, 2021, 7, 1441-1450.	11.3	101
17	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
18	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

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19	Palladium concave nanocrystals with high-index facets accelerate ascorbate oxidation in cancer treatment. Nature Communications, 2018, 9, 4861.	12.8	84
20	Hydroxyl-Group-Dominated Graphite Dots Reshape Laser Desorption/Ionization Mass Spectrometry for Small Biomolecular Analysis and Imaging. ACS Nano, 2017, 11, 9500-9513.	14.6	79
21	Emergence of a Radicalâ€6tabilizing Metal–Organic Framework as a Radioâ€photoluminescence Dosimeter. Angewandte Chemie - International Edition, 2020, 59, 15209-15214.	13.8	56
22	Highly Sensitive Detection of UV Radiation Using a Uranium Coordination Polymer. ACS Applied Materials & Interfaces, 2018, 10, 4844-4850.	8.0	52
23	Self-Assembled Core–Satellite Gold Nanoparticle Networks for Ultrasensitive Detection of Chiral Molecules by Recognition Tunneling Current. ACS Nano, 2016, 10, 5096-5103.	14.6	47
24	A Porous Aromatic Framework Functionalized with Luminescent Iridium(III) Organometallic Complexes for Turn-On Sensing of <sup>99</sup> TcO <sub>4</sub> <sup>–</sup> . ACS Applied Materials & Interfaces, 2020, 12, 15288-15297.	8.0	46
25	Functionalized polyarylether-based COFs for rapid and selective extraction of uranium from aqueous solution. Chemical Engineering Journal, 2022, 434, 134623.	12.7	46
26	Stimulating antibacterial activities of graphitic carbon nitride nanosheets with plasma treatment. Nanoscale, 2019, 11, 18416-18425.	5.6	41
27	U@C <sub>28</sub> : the electronic structure induced by the 32-electron principle. Physical Chemistry Chemical Physics, 2015, 17, 23308-23311.	2.8	40
28	Successful Decontamination of <sup>99</sup> TcO <sub>4</sub> <sup>â^'</sup> in Groundwater at Legacy Nuclear Sites by a Cationic Metalâ€Organic Framework with Hydrophobic Pockets. Angewandte Chemie, 2019, 131, 5022-5026.	2.0	37
29	Phase transition triggered aggregation-induced emission in a photoluminescent uranyl–organic framework. Chemical Communications, 2018, 54, 627-630.	4.1	35
30	Facile and Efficient Decontamination of Thorium from Rare Earths Based on Selective Selenite Crystallization. Inorganic Chemistry, 2018, 57, 1880-1887.	4.0	32
31	Defect Induced Electronic Structure of Uranofullerene. Scientific Reports, 2013, 3, 1341.	3.3	30
32	Deuterated Covalent Organic Frameworks with Significantly Enhanced Luminescence. Angewandte Chemie - International Edition, 2021, 60, 21250-21255.	13.8	30
33	Structural and electronic properties of uranium-encapsulated Au14 cage. Scientific Reports, 2015, 4, 5862.	3.3	29
34	C–O <sup>â^'</sup> –K <sup>+</sup> (Na <sup>+</sup> ) groups in non-doped carbon as active sites for the oxygen reduction reaction. Journal of Materials Chemistry A, 2018, 6, 8955-8961.	10.3	28
35	<i>In Vivo</i> Uranium Decorporation by a Tailor-Made Hexadentate Ligand. Journal of the American Chemical Society, 2022, 144, 11054-11058.	13.7	28
36	Thickness dependent semiconductor-to-metal transition of two-dimensional polyaniline with unique work functions. Nanoscale, 2017, 9, 12025-12031.	5.6	24

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37	Effect of ligands on the characteristics of (CdSe) <sub>13</sub> quantum dots. RSC Advances, 2014, 4, 27146-27151.	3.6	23
38	A strong charge-transfer effect in surface-enhanced Raman scattering induced by valence electrons of actinide elements. RSC Advances, 2015, 5, 32198-32204.	3.6	23
39	The ground state and electronic structure of Gd@C82: A systematic theoretical investigation of first principle density functionals. Journal of Chemical Physics, 2014, 141, 244306.	3.0	22
40	Unveiling the Uncommon Fluorescent Recognition Mechanism towards Pertechnetate Using a Cationic Metal–Organic Framework Bearing Nâ€Heterocyclic AIE Molecules. Chemistry - A European Journal, 2021, 27, 5632-5637.	3.3	19
41	Electronic delocalization in small water rings. Physical Chemistry Chemical Physics, 2015, 17, 2987-2990.	2.8	18
42	Efficient Xe/Kr Separation Based on a Lanthanide–Organic Framework with One-Dimensional Local Positively Charged Rhomboid Channels. ACS Applied Materials & Interfaces, 2022, 14, 22233-22241.	8.0	18
43	Defect-induced strong localization of uranium dicarbide on the graphene surface. Physical Chemistry Chemical Physics, 2014, 16, 22784-22790.	2.8	16
44	Efficient Sr-90 removal from highly alkaline solution by an ultrastable crystalline zirconium phosphonate. Chemical Communications, 2021, 57, 8452-8455.	4.1	15
45	Strong Adsorption Between Uranium Dicarbide and Graphene Surface Induced by f Electrons. Journal of Physical Chemistry C, 2013, 117, 26849-26857.	3.1	14
46	Emergence of a Radicalâ€Stabilizing Metal–Organic Framework as a Radioâ€photoluminescence Dosimeter. Angewandte Chemie, 2020, 132, 15321-15326.	2.0	14
47	Energetics and Electronic Properties of a Neutral Diuranium Molecule Encapsulated in C90 Fullerene. Procedia Chemistry, 2012, 7, 528-533.	0.7	13
48	Inorganic X-ray Scintillators Based on a Previously Unnoticed but Intrinsically Advantageous Metal Center. Inorganic Chemistry, 2019, 58, 2807-2812.	4.0	13
49	Stable electronic structures of a defective uranofullerene. Carbon, 2014, 78, 19-25.	10.3	11
50	Depolymerization of Freeâ€Radical Polymers with Spin Migrations. ChemPhysChem, 2015, 16, 3308-3312.	2.1	11
51	Ab-Initio Study of the Electronic and Magnetic Properties of Boron- and Nitrogen-Doped Penta-Graphene. Nanomaterials, 2020, 10, 816.	4.1	11
52	Stabilization of Open-Shell Single Bonds within Endohedral Metallofullerene. Inorganic Chemistry, 2020, 59, 3606-3618.	4.0	11
53	De Novo Design of an Endohedral Heteronuclear Dimetallofullerene (UGd)@C <sub>60</sub> with Exceptional Structural and Electronic Properties. ChemPhysChem, 2014, 15, 3871-3876.	2.1	10
54	Carbon nanotubes adsorb U atoms differently in their inner and outer surfaces. RSC Advances, 2014, 4, 30074.	3.6	10

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55	Turn-up Luminescent Sensing of Ultraviolet Radiation by Lanthanide Metal–Organic Frameworks. Inorganic Chemistry, 2022, 61, 4561-4565.	4.0	10
56	Slippage in stacking of graphene nanofragments induced by spin polarization. Scientific Reports, 2015, 5, 10985.	3.3	9
57	Chromate separation by selective crystallization. Chinese Chemical Letters, 2020, 31, 1974-1977.	9.0	9
58	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
59	Th(H2O)(IVO3)2[IVII0.6V1.76O7(OH)]: A Mixed-Valent Iodine Compound Containing Periodate Stabilized by Crystallographically Compatible Lattice Sites. Inorganic Chemistry, 2016, 55, 12101-12104.	4.0	7
60	Charging-induced asymmetric spin distribution in an asymmetric (9,0) carbon nanotube. Physical Chemistry Chemical Physics, 2015, 17, 28860-28865.	2.8	6
61	Correlation between electron delocalization and structural planarization in small water rings. International Journal of Quantum Chemistry, 2015, 115, 817-819.	2.0	5
62	Basis set effect on defect induced spin polarization of a carbon nanotube in density functional theory calculations. Chemical Physics Letters, 2013, 585, 107-111.	2.6	4
63	Electronic structural properties of BiOF crystal and its oxygen vacancy from first-principles calculations. Russian Journal of Physical Chemistry A, 2017, 91, 2425-2430.	0.6	3
64	The effects of fluorination and hydrogenation on the physical properties of two-dimensional (111)-oriented cubic boron nitride nanosheets. Thin Solid Films, 2021, 718, 138484.	1.8	2
65	The selfâ€consistent charge density functional tightâ€binding theory study of carbon adatoms using tuned Hubbard <i>U</i> parameters. International Journal of Quantum Chemistry, 2017, 117, e25320.	2.0	1
66	Environmental-Confinement-Induced Stability Enhancement of Chiral Molecules. ChemPhysChem, 2014, 15, 2672-2675.	2.1	0
67	Deuterated Covalent Organic Frameworks with Significantly Enhanced Luminescence. Angewandte Chemie, 2021, 133, 21420-21425.	2.0	0