## Korey P Carter

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	<i>In situ</i> beam reduction of Pu(IV) and Bk(IV) as a route to trivalent transuranic coordination complexes with hydroxypyridinone chelators. Journal of Synchrotron Radiation, 2022, 29, 315-322.	2.4	1
2	Evaluation of 134Ce as a PET imaging surrogate for antibody drug conjugates incorporating 225Ac. Nuclear Medicine and Biology, 2022, 110-111, 28-36.	0.6	7
3	Structural, spectroscopic, and computational evaluations of cation–cation and halogen bonding interactions in heterometallic uranyl hybrid materials. Inorganic Chemistry Frontiers, 2021, 8, 1128-1141.	6.0	7
4	Structural and spectroscopic characterization of an einsteinium complex. Nature, 2021, 590, 85-88.	27.8	25
5	Combining the Best of Two Chelating Titans: A Hydroxypyridinoneâ€Decorated Macrocyclic Ligand for Efficient and Concomitant Complexation and Sensitized Luminescence of fâ€Elements. ChemPlusChem, 2021, 86, 483-491.	2.8	8
6	Macromolecular crystallography for f-element complex characterization. Methods in Enzymology, 2021, 651, 139-155.	1.0	2
7	Controlling the Reduction of Chelated Uranyl to Stable Tetravalent Uranium Coordination Complexes in Aqueous Solution. Inorganic Chemistry, 2021, 60, 973-981.	4.0	11
8	Spontaneous Chelationâ€Driven Reduction of the Neptunyl Cation in Aqueous Solution. Chemistry - A European Journal, 2020, 26, 2354-2359.	3.3	11
9	Rational Design of a Uranyl Metal–Organic Framework for the Capture and Colorimetric Detection of Organic Dyes. Chemistry - A European Journal, 2020, 26, 13819-13825.	3.3	13
10	Open questions in transplutonium coordination chemistry. Communications Chemistry, 2020, 3, .	4.5	9
11	Developing scandium and yttrium coordination chemistry to advance theranostic radiopharmaceuticals. Communications Chemistry, 2020, 3, .	4.5	22
12	Supramolecular assembly of lanthanide-2,3,5,6-tetrafluoroterephthalic acid coordination polymers <i>via</i> fluorineâ< fluorine interactions: a platform for luminescent detection of Fe <sup>3+</sup> and nitroaromatic compounds. New Journal of Chemistry, 2020, 44, 12317-12330.	2.8	11
13	Selective Lanthanide Sensing with Gold Nanoparticles and Hydroxypyridinone Chelators. Inorganic Chemistry, 2020, 59, 2030-2036.	4.0	25
14	Combinatorial design of multimeric chelating peptoids for selective metal coordination. Chemical Science, 2019, 10, 6834-6843.	7.4	17
15	A Thorium Metalâ€Organic Framework with Outstanding Thermal and Chemical Stability. Chemistry - A European Journal, 2019, 25, 7114-7118.	3.3	39
16	Lanthanide-2,3,5,6-Tetrabromoterephthalic Acid Metal–Organic Frameworks: Evolution of Halogen···Halogen Interactions across the Lanthanide Series and Their Potential as Selective Bifunctional Sensors for the Detection of Fe <sup>3+</sup> , Cu <sup>2+</sup> , and Nitroaromatics. Crystal Growth and Design, 2019, 19, 305-319.	3.0	86
17	How to Bend the Uranyl Cation via Crystal Engineering. Inorganic Chemistry, 2018, 57, 2714-2723.	4.0	17
18	Molecular and polymeric uranyl and thorium hybrid materials featuring methyl substituted pyrazole dicarboxylates and beterocyclic 1 3-diketones. Solid State Sciences, 2018, 76, 20-32	3.2	9

KOREY P CARTER

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19	Frontispiece: Restricted Speciation and Supramolecular Assembly in the 5f Block. Chemistry - A European Journal, 2018, 24, .	3.3	0
20	Solution Thermodynamics and Kinetics of Metal Complexation with a Hydroxypyridinone Chelator Designed for Thorium-227 Targeted Alpha Therapy. Inorganic Chemistry, 2018, 57, 14337-14346.	4.0	38
21	Reductive activation of neptunyl and plutonyl oxo species with a hydroxypyridinone chelating ligand. Chemical Communications, 2018, 54, 10698-10701.	4.1	10
22	Restricted Speciation and Supramolecular Assembly in the 5f Block. Chemistry - A European Journal, 2018, 24, 12747-12756.	3.3	19
23	Probing hydrogen and halogen-oxo interactions in uranyl coordination polymers: a combined crystallographic and computational study. CrystEngComm, 2018, 20, 4916-4925.	2.6	23
24	RE-p-halobenzoic acid–terpyridine complexes, Part II: structural diversity, supramolecular assembly, and luminescence properties in a series of p-bromobenzoic acid rare-earth hybrid materials. CrystEngComm, 2017, 19, 1172-1189.	2.6	21
25	RE-p-halobenzoic acid–terpyridine complexes, part III: structural and supramolecular trends in a series of p-iodobenzoic acid rare-earth hybrid materials. CrystEngComm, 2017, 19, 1190-1203.	2.6	27
26	Utilizing bifurcated halogen-bonding interactions with the uranyl oxo group in the assembly of a UO <sub>2</sub> –3-bromo-5-iodobenzoic acid coordination polymer. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2017, 73, 234-239.	1.1	16
27	Exploring the Promotion of Synthons of Choice: Halogen Bonding in Molecular Lanthanide Complexes Characterized via Xâ€ray Diffraction, Luminescence Spectroscopy, and Magnetic Measurements. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2017, 643, 1948-1955.	1.2	6
28	Engaging the Terminal: Promoting Halogen Bonding Interactions with Uranyl Oxo Atoms. Chemistry - A European Journal, 2017, 23, 15355-15369.	3.3	46
29	Syntheses, Structures, and Comparisons of Heterometallic Uranyl Iodobenzoates with Monovalent Cations. Inorganic Chemistry, 2017, 56, 9156-9168.	4.0	25
30	Isolating Equatorial and Oxo Based Influences on Uranyl Vibrational Spectroscopy in a Family of Hybrid Materials Featuring Halogen Bonding Interactions with Uranyl Oxo Atoms. European Journal of Inorganic Chemistry, 2017, 2017, 4702-4713.	2.0	18
31	Harnessing uranyl oxo atoms via halogen bonding interactions in molecular uranyl materials featuring 2,5-diiodobenzoic acid and N-donor capping ligands. Inorganic Chemistry Frontiers, 2017, 4, 65-78.	6.0	34
32	Eight rare earth metal organic frameworks and coordination polymers from 2-nitroterephthlate: syntheses, structures, solid-state luminescence and an unprecedented topology. New Journal of Chemistry, 2016, 40, 7338-7349.	2.8	23
33	Supramolecular Assembly of Molecular Rare-Earth–3,5-Dichlorobenzoic Acid–2,2′:6′,2″-Terpyridine Materials: Structural Systematics, Luminescence Properties, and Magnetic Behavior. Inorganic Chemistry, 2016, 55, 6902-6915.	4.0	53
34	Probing the Influence of Nâ€Donor Capping Ligands on Supramolecular Assembly in Molecular Uranyl Materials. European Journal of Inorganic Chemistry, 2016, 2016, 126-137.	2.0	42
35	Hybrid Lanthanide–Actinide Peroxide Cage Clusters. Inorganic Chemistry, 2016, 55, 2682-2684.	4.0	15
36	Controlling dimensionality via a dual ligand strategy in Ln-thiophene-2,5-dicarboxylic acid-terpyridine coordination polymers. Dalton Transactions, 2015, 44, 15843-15854.	3.3	30

KOREY P CARTER

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37	Hybrid Materials of the f-Elements Part I. Fundamental Theories of Physics, 2015, 47, 147-208.	0.3	5
38	Combining coordination and supramolecular chemistry to explore uranyl assembly in the solid state. Inorganic Chemistry Frontiers, 2015, 2, 141-156.	6.0	44
39	Survey concerning electronic textbooks. International Journal of Sustainability in Higher Education, 2014, 15, 142-156.	3.1	4
40	Exploring supramolecular assembly and luminescent behavior in a series of RE-p-chlorobenzoic acid-1,10-phenanthroline complexes. CrystEngComm, 2014, 16, 10189-10202.	2.6	45
41	A series of Ln-p-chlorobenzoic acid–terpyridine complexes: lanthanide contraction effects, supramolecular interactions and luminescent behavior. CrystEngComm, 2014, 16, 1873.	2.6	77