

# Korey P Carter

## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	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. <i>Crystal Growth and Design</i> , 2019, 19, 305-319.	3.0	86
2	A series of Ln-p-chlorobenzoic acid-terpyridine complexes: lanthanide contraction effects, supramolecular interactions and luminescent behavior. <i>CrystEngComm</i> , 2014, 16, 1873.	2.6	77
3	Supramolecular Assembly of Molecular Rare-Earth-3,5-Dichlorobenzoic Acid-2,2':6''-2''-Terpyridine Materials: Structural Systematics, Luminescence Properties, and Magnetic Behavior. <i>Inorganic Chemistry</i> , 2016, 55, 6902-6915.	4.0	53
4	Engaging the Terminal: Promoting Halogen Bonding Interactions with Uranyl Oxo Atoms. <i>Chemistry - A European Journal</i> , 2017, 23, 15355-15369.	3.3	46
5	Exploring supramolecular assembly and luminescent behavior in a series of RE-p-chlorobenzoic acid-1,10-phenanthroline complexes. <i>CrystEngComm</i> , 2014, 16, 10189-10202.	2.6	45
6	Combining coordination and supramolecular chemistry to explore uranyl assembly in the solid state. <i>Inorganic Chemistry Frontiers</i> , 2015, 2, 141-156.	6.0	44
7	Probing the Influence of N-Donor Capping Ligands on Supramolecular Assembly in Molecular Uranyl Materials. <i>European Journal of Inorganic Chemistry</i> , 2016, 2016, 126-137.	2.0	42
8	A Thorium Metal-Organic Framework with Outstanding Thermal and Chemical Stability. <i>Chemistry - A European Journal</i> , 2019, 25, 7114-7118.	3.3	39
9	Solution Thermodynamics and Kinetics of Metal Complexation with a Hydroxypyridinone Chelator Designed for Thorium-227 Targeted Alpha Therapy. <i>Inorganic Chemistry</i> , 2018, 57, 14337-14346.	4.0	38
10	Harnessing uranyl oxo atoms via halogen bonding interactions in molecular uranyl materials featuring 2,5-diiodobenzoic acid and N-donor capping ligands. <i>Inorganic Chemistry Frontiers</i> , 2017, 4, 65-78.	6.0	34
11	Controlling dimensionality via a dual ligand strategy in Ln-thiophene-2,5-dicarboxylic acid-terpyridine coordination polymers. <i>Dalton Transactions</i> , 2015, 44, 15843-15854.	3.3	30
12	RE-p-halobenzoic acid-terpyridine complexes, part III: structural and supramolecular trends in a series of p-iodobenzoic acid rare-earth hybrid materials. <i>CrystEngComm</i> , 2017, 19, 1190-1203.	2.6	27
13	Syntheses, Structures, and Comparisons of Heterometallic Uranyl Iodobenzoates with Monovalent Cations. <i>Inorganic Chemistry</i> , 2017, 56, 9156-9168.	4.0	25
14	Selective Lanthanide Sensing with Gold Nanoparticles and Hydroxypyridinone Chelators. <i>Inorganic Chemistry</i> , 2020, 59, 2030-2036.	4.0	25
15	Structural and spectroscopic characterization of an einsteinium complex. <i>Nature</i> , 2021, 590, 85-88.	27.8	25
16	Eight rare earth metal organic frameworks and coordination polymers from 2-nitroterephthalate: syntheses, structures, solid-state luminescence and an unprecedented topology. <i>New Journal of Chemistry</i> , 2016, 40, 7338-7349.	2.8	23
17	Probing hydrogen and halogen-oxo interactions in uranyl coordination polymers: a combined crystallographic and computational study. <i>CrystEngComm</i> , 2018, 20, 4916-4925.	2.6	23
18	Developing scandium and yttrium coordination chemistry to advance theranostic radiopharmaceuticals. <i>Communications Chemistry</i> , 2020, 3, .	4.5	22

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19	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
20	Restricted Speciation and Supramolecular Assembly in the 5f Block. Chemistry - A European Journal, 2018, 24, 12747-12756.	3.3	19
21	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
22	How to Bend the Uranyl Cation via Crystal Engineering. Inorganic Chemistry, 2018, 57, 2714-2723.	4.0	17
23	Combinatorial design of multimeric chelating peptoids for selective metal coordination. Chemical Science, 2019, 10, 6834-6843.	7.4	17
24	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
25	Hybrid Lanthanide-Actinide Peroxide Cage Clusters. Inorganic Chemistry, 2016, 55, 2682-2684.	4.0	15
26	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
27	Spontaneous Chelation-Driven Reduction of the Neptunyl Cation in Aqueous Solution. Chemistry - A European Journal, 2020, 26, 2354-2359.	3.3	11
28	Supramolecular assembly of lanthanide-2,3,5,6-tetrafluoroterephthalic acid coordination polymers via fluorine-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
29	Controlling the Reduction of Chelated Uranyl to Stable Tetravalent Uranium Coordination Complexes in Aqueous Solution. Inorganic Chemistry, 2021, 60, 973-981.	4.0	11
30	Reductive activation of neptunyl and plutonyl oxo species with a hydroxypyridinone chelating ligand. Chemical Communications, 2018, 54, 10698-10701.	4.1	10
31	Molecular and polymeric uranyl and thorium hybrid materials featuring methyl substituted pyrazole dicarboxylates and heterocyclic 1,3-diketones. Solid State Sciences, 2018, 76, 20-32.	3.2	9
32	Open questions in transplutonium coordination chemistry. Communications Chemistry, 2020, 3, .	4.5	9
33	Combining the Best of Two Chelating Titans: A Hydroxypyridinone-Decorated Macrocyclic Ligand for Efficient and Concomitant Complexation and Sensitized Luminescence of f-Elements. ChemPlusChem, 2021, 86, 483-491.	2.8	8
34	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
35	Evaluation of <sup>134</sup> Ce as a PET imaging surrogate for antibody drug conjugates incorporating <sup>225</sup> Ac. Nuclear Medicine and Biology, 2022, 110-111, 28-36.	0.6	7
36	Exploring the Promotion of Synthons of Choice: Halogen Bonding in Molecular Lanthanide Complexes Characterized via X-ray Diffraction, Luminescence Spectroscopy, and Magnetic Measurements. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2017, 643, 1948-1955.	1.2	6

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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	Survey concerning electronic textbooks. International Journal of Sustainability in Higher Education, 2014, 15, 142-156.	3.1	4
39	Macromolecular crystallography for f-element complex characterization. Methods in Enzymology, 2021, 651, 139-155.	1.0	2
40	<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
41	Frontispiece: Restricted Speciation and Supramolecular Assembly in the 5f Block. Chemistry - A European Journal, 2018, 24, .	3.3	0