

# Karah E Knope

## List of Publications by Year in descending order

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52  
papers

1,864  
citations

279798

23  
h-index

254184

43  
g-index

59  
all docs

59  
docs citations

59  
times ranked

1432  
citing authors

#	ARTICLE	IF	CITATIONS
1	Solution and Solid-State Structural Chemistry of Actinide Hydrates and Their Hydrolysis and Condensation Products. <i>Chemical Reviews</i> , 2013, 113, 944-994.	47.7	310
2	Thorium(IV) Molecular Clusters with a Hexanuclear Th Core. <i>Inorganic Chemistry</i> , 2011, 50, 9696-9704.	4.0	127
3	Uranyl Sensitization of Samarium(III) Luminescence in a Two-Dimensional Coordination Polymer. <i>Inorganic Chemistry</i> , 2012, 51, 201-206.	4.0	119
4	Structural Variation within Homometallic Uranium(VI) Carboxyphosphonates: In Situ Ligand Synthesis, Directed Assembly, Metal-Ligand Coordination and Hydrogen Bonding. <i>Inorganic Chemistry</i> , 2008, 47, 7660-7672.	4.0	82
5	Plutonium(IV) Cluster with a Hexanuclear [Pu <sub>6</sub> (OH) <sub>4</sub> O <sub>4</sub> ] <sup>12+</sup> Core. <i>Inorganic Chemistry</i> , 2013, 52, 6770-6772.	4.0	74
6	Hydrothermal chemistry of Th(IV) with aromatic dicarboxylates: New framework compounds and in situ ligand syntheses. <i>Journal of Solid State Chemistry</i> , 2008, 181, 373-381.	2.9	72
7	Homometallic Uranium(VI) Phosphonoacetates Containing Interlayer Dipyridines. <i>Inorganic Chemistry</i> , 2009, 48, 6845-6851.	4.0	67
8	Hydrothermal Synthesis of a Novel Uranium Oxalate/Glycolate via In-Situ Ligand Formation. <i>Inorganic Chemistry</i> , 2007, 46, 6607-6612.	4.0	65
9	Hydrothermal Synthesis of Disulfide-Containing Uranyl Compounds: In Situ Ligand Synthesis versus Direct Assembly. <i>Crystal Growth and Design</i> , 2010, 10, 1390-1398.	3.0	65
10	Synthesis and Characterization of 1D, 2D, and 3D-Dimensional Bimetallic UO <sub>2</sub> <sup>2+</sup> /Zn <sup>2+</sup> Phosphonoacetates. <i>European Journal of Inorganic Chemistry</i> , 2010, 2010, 1177-1185.	2.0	63
11	Thorium(IV)-Selenate Clusters Containing an Octanuclear Th(IV) Hydroxide/Oxide Core. <i>Inorganic Chemistry</i> , 2012, 51, 4239-4249.	4.0	63
12	Understanding the Role of Aqueous Solution Speciation and Its Application to the Directed Syntheses of Complex Oxidic Zr Chlorides and Sulfates. <i>Journal of the American Chemical Society</i> , 2013, 135, 14240-14248.	13.7	54
13	Investigation of in Situ Oxalate Formation from 2,3-Pyrazinedicarboxylate under Hydrothermal Conditions Using Nuclear Magnetic Resonance Spectroscopy. <i>Inorganic Chemistry</i> , 2012, 51, 3883-3890.	4.0	52
14	Understanding the Ligand-Directed Assembly of a Hexanuclear Th(IV) Molecular Cluster in Aqueous Solution. <i>European Journal of Inorganic Chemistry</i> , 2013, 2013, 4159-4163.	2.0	50
15	Spectroscopic and Energetic Properties of Thorium(IV) Molecular Clusters with a Hexanuclear Core. <i>Journal of Physical Chemistry A</i> , 2012, 116, 6917-6926.	2.5	43
16	An Open-Framework Thorium Sulfate Hydrate with 11.5 Å... Voids. <i>Inorganic Chemistry</i> , 2008, 47, 9321-9326.	4.0	42
17	Room temperature assembly of a uranyl carboxyphosphonate: Synthesis, characterization and UO <sub>2</sub> <sup>2+</sup> hydrolysis. <i>Inorganic Chemistry Communication</i> , 2010, 13, 1040-1042.	3.9	33
18	Synthesis and Characterization of Thorium(IV) Sulfates. <i>Inorganic Chemistry</i> , 2011, 50, 8621-8629.	4.0	31

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19	Solution and Solid State Structural Chemistry of Th(IV) and U(IV) 4-Hydroxybenzoates. <i>Inorganic Chemistry</i> , 2018, 57, 7259-7269.	4.0	30
20	Surface-Mediated Formation of Pu(IV) Nanoparticles at the Muscovite-Electrolyte Interface. <i>Environmental Science &amp; Technology</i> , 2013, 47, 14178-14184.	10.0	27
21	Homometallic UO <sub>2</sub> <sup>2+</sup> diphosphonates assembled under ambient and hydrothermal conditions. <i>Dalton Transactions</i> , 2010, 39, 8319.	3.3	26
22	Structural and spectroscopic characterization of an einsteinium complex. <i>Nature</i> , 2021, 590, 85-88.	27.8	25
23	Structure and luminescence of a 2-dimensional 2,3-pyridinedicarboxylate coordination polymer constructed from lanthanide(III) dimers. <i>Inorganica Chimica Acta</i> , 2012, 392, 46-51.	2.4	24
24	Synthesis, structure, and photoluminescent behaviour of molecular lanthanide-2-thiophenecarboxylate-2,2':6''-2''-terpyridine materials. <i>CrystEngComm</i> , 2017, 19, 5300-5312.	2.6	24
25	Excitation-Dependent Photoluminescence Color Tuning in Lanthanide-Organic Hybrid Materials. <i>Inorganic Chemistry</i> , 2020, 59, 7539-7552.	4.0	24
26	Uranyl triazolate formation via an in situ Huisgen 1,3-dipolar cycloaddition reaction. <i>CrystEngComm</i> , 2011, 13, 153-157.	2.6	23
27	Uranium(IV) Chloride Complexes: UCl <sub>6</sub> <sup>2-</sup> and an Unprecedented U(H <sub>2</sub> O) <sub>4</sub> Cl <sub>4</sub> Structural Unit. <i>Inorganic Chemistry</i> , 2017, 56, 9772-9780.	4.0	21
28	Two Dihydroxo-Bridged Plutonium(IV) Nitrate Dimers and Their Relevance to Trends in Tetravalent Ion Hydrolysis and Condensation. <i>Inorganic Chemistry</i> , 2015, 54, 10192-10196.	4.0	18
29	From Thorium to Plutonium: Trends in Actinide(IV) Chloride Structural Chemistry. <i>Inorganic Chemistry</i> , 2019, 58, 10578-10591.	4.0	17
30	Synthesis and Characterization of an Isomorphous Lanthanide-Thiophenemonocarboxylate Series (Ln =) Tj ETQq0 0,0,rgBT /Overlock 10	3.0	16
31	Photoluminescence of Visible and NIR-Emitting Lanthanide-Doped Bismuth-Organic Materials. <i>Chemistry - A European Journal</i> , 2018, 24, 5630-5636.	3.3	16
32	Mononuclear to Polynuclear U <sup>IV</sup> Structural Units: Effects of Reaction Conditions on U-uroate Phase Formation. <i>Chemistry - A European Journal</i> , 2020, 26, 5872-5886.	3.3	15
33	Harnessing Bismuth Coordination Chemistry to Achieve Bright, Long-Lived Organic Phosphorescence. <i>Inorganic Chemistry</i> , 2021, 60, 16840-16851.	4.0	15
34	Bismuth(III)-thiophenedicarboxylates as host frameworks for lanthanide ions: synthesis, structural characterization, and photoluminescent behavior. <i>Dalton Transactions</i> , 2018, 47, 13419-13433.	3.3	13
35	Synthesis and photoluminescence of three bismuth(III)-organic compounds bearing heterocyclic N-donor ligands. <i>Dalton Transactions</i> , 2020, 49, 11756-11771.	3.3	13
36	Structural Diversity of Bismuth(III) Thiophenemonocarboxylates Isolated from Aqueous Solutions. <i>European Journal of Inorganic Chemistry</i> , 2017, 2017, 1435-1445.	2.0	12

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37	Monomeric and Trimeric Thorium Chlorides Isolated from Acidic Aqueous Solution. <i>Inorganic Chemistry</i> , 2019, 58, 10871-10882.	4.0	12
38	Structure-Property Relationships in Photoluminescent Bismuth Halide Organic Hybrid Materials. <i>Inorganic Chemistry</i> , 2021, 60, 9727-9744.	4.0	12
39	Effects of the background electrolyte on Th(IV) sorption to muscovite mica. <i>Geochimica Et Cosmochimica Acta</i> , 2015, 165, 280-293.	3.9	11
40	Using molten salts to probe outer-coordination sphere effects on lanthanide(III)/II electron-transfer reactions. <i>Dalton Transactions</i> , 2021, 50, 15696-15710.	3.3	10
41	A Comparison of Adsorption, Reduction, and Polymerization of the Plutonyl(VI) and Uranyl(VI) Ions from Solution onto the Muscovite Basal Plane. <i>Langmuir</i> , 2016, 32, 10473-10482.	3.5	8
42	Advancing understanding of actinide(III) (Ac, Am, Cm) aqueous complexation chemistry. <i>Chemical Science</i> , 2021, 12, 5638-5654.	7.4	8
43	Strong photoluminescence and sensing performance of nanosized Ca <sub>0.8</sub> Ln <sub>0.1</sub> Na <sub>0.1</sub> WO <sub>4</sub> (Ln = Sm, Eu) compounds obtained by the dry top-down grinding method. <i>Dalton Transactions</i> , 2019, 48, 12080-12087.	3.3	6
44	Synthesis, structural characterization, and luminescence properties of heteroleptic bismuth-organic compounds. <i>CrystEngComm</i> , 2021, 23, 8183-8197.	2.6	6
45	Reactivity of a Chloride Decorated, Mixed Valent Ce <sup>III/IV</sup> <sub>38</sub> Oxo Cluster. <i>Inorganic Chemistry</i> , 2022, 61, 193-205.	4.0	6
46	Impact of Noncovalent Interactions on the Structural Chemistry of Thorium(IV)-Aquo-Chloro Complexes. <i>Inorganic Chemistry</i> , 2021, 60, 6375-6390.	4.0	4
47	Template-free cyclic hexavanadate: Synthesis, characterization, solid-state structure, and solution-state dynamics. <i>Polyhedron</i> , 2019, 169, 266-277.	2.2	2
48	From Isolated Molecular Complexes to Extended Networks: Synthesis and Characterization of Thorium Furanmono- and Dicarboxylates. <i>European Journal of Inorganic Chemistry</i> , 2020, 2020, 3287-3295.	2.0	2
49	Synthesis, Characterization, and Solid-State Structural Chemistry of Uranium(IV) Aliphatic Dicarboxylates. <i>Crystal Growth and Design</i> , 2021, 21, 2429-2444.	3.0	2
50	Th(IV) Bromide Complexes: A Homoleptic Aqua Ion and a Novel Th(H <sub>2</sub> O) <sub>4</sub> Br <sub>4</sub> Structural Unit. <i>Crystal Growth and Design</i> , 2022, 22, 4375-4381.	3.0	2
51	1,4-Diazoniabicyclo[2.2.2]octane dinitrate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2007, 63, o2955-o2955.	0.2	1
52	Chapter 18. Uranyl Phosphonates: A Structural Survey. , 2011, , 596-606.		0