

# Ginger E Sigmon

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4879429/publications.pdf>

Version: 2024-02-01

44  
papers

1,670  
citations

331538

21  
h-index

276775

41  
g-index

56  
all docs

56  
docs citations

56  
times ranked

1181  
citing authors

#	ARTICLE	IF	CITATIONS
1	Actinyl Peroxide Nanospheres. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 2135-2139.	7.2	255
2	Symmetry versus Minimal Pentagonal Adjacencies in Uranium-Based Polyoxometalate Fullerene Topologies. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 2737-2740.	7.2	153
3	Uranyl peroxide enhanced nuclear fuel corrosion in seawater. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 1874-1877.	3.3	126
4	Uranyl <sup>VI</sup> Peroxide Interactions Favor Nanocluster Self-Assembly. <i>Journal of the American Chemical Society</i> , 2009, 131, 16648-16649.	6.6	118
5	Uranium Pyrophosphate/Methylenediphosphonate Polyoxometalate Cage Clusters. <i>Journal of the American Chemical Society</i> , 2010, 132, 13395-13402.	6.6	107
6	Removal of oil droplets from contaminated water using magnetic carbon nanotubes. <i>Water Research</i> , 2013, 47, 4198-4205.	5.3	106
7	Structures of Dimeric Hydrolysis Products of Thorium. <i>Inorganic Chemistry</i> , 2007, 46, 2368-2372.	1.9	81
8	Rapid Self-Assembly of Uranyl Polyhedra into Crown Clusters. <i>Journal of the American Chemical Society</i> , 2011, 133, 9137-9139.	6.6	62
9	Crown and Bowl-Shaped Clusters of Uranyl Polyhedra. <i>Inorganic Chemistry</i> , 2009, 48, 10907-10909.	1.9	57
10	Raman Spectroscopic and ESI-MS Characterization of Uranyl Peroxide Cage Clusters. <i>Inorganic Chemistry</i> , 2014, 53, 1562-1569.	1.9	52
11	Structure and Reactivity of X-ray Amorphous Uranyl Peroxide, U <sub>2</sub> O <sub>7</sub> . <i>Inorganic Chemistry</i> , 2016, 55, 3541-3546.	1.9	50
12	Uranyl peroxide closed clusters containing topological squares. <i>Dalton Transactions</i> , 2010, 39, 5807.	1.6	45
13	Syntheses, structures, characterizations and charge-density matching of novel amino-templated uranyl selenates. <i>Journal of Solid State Chemistry</i> , 2009, 182, 402-408.	1.4	43
14	Syntheses, structures, and IR spectroscopic characterization of new uranyl sulfate/selenate 1D-chain, 2D-sheet and 3D-framework. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2010, 225, 230-239.	0.4	39
15	Extension of the Plutonium Oxide Nanocluster Family to Include {Pu <sub>16</sub> } and {Pu <sub>22</sub> }. <i>Chemistry - A European Journal</i> , 2019, 25, 2463-2466.	1.7	28
16	Uranyl Peroxide Cage Cluster Solubility in Water and the Role of the Electrical Double Layer. <i>Inorganic Chemistry</i> , 2017, 56, 1333-1339.	1.9	27
17	Cage clusters built from uranyl ions bridged through peroxo and 1-hydroxyethane-1,1-diphosphonic acid ligands. <i>Dalton Transactions</i> , 2013, 42, 6793.	1.6	25
18	The crystal chemistry of four thorium sulfates. <i>Journal of Solid State Chemistry</i> , 2011, 184, 1591-1597.	1.4	24

#	ARTICLE	IF	CITATIONS
19	Hybrid Uranyl-Carboxyphosphonate Cage Clusters. <i>Inorganic Chemistry</i> , 2013, 52, 7673-7679.	1.9	24
20	Crystal chemistry of thorium nitrates and chromates. <i>Journal of Solid State Chemistry</i> , 2010, 183, 1604-1608.	1.4	21
21	Synthesis and Characterization of the First $^{235}\text{U}$ Neptunyl Structure Stabilized by Side-on Cation-Cation Interactions. <i>Chemistry - A European Journal</i> , 2013, 19, 2937-2941.	1.7	21
22	Stability of Solid Uranyl Peroxides under Irradiation. <i>Inorganic Chemistry</i> , 2019, 58, 14112-14119.	1.9	18
23	Hybrid Lanthanide-Actinide Peroxide Cage Clusters. <i>Inorganic Chemistry</i> , 2016, 55, 2682-2684.	1.9	15
24	Hybrid Uranyl Arsonate Coordination Nanocages. <i>Inorganic Chemistry</i> , 2013, 52, 6245-6247.	1.9	14
25	Photocatalytic decomposition of Rhodamine B on uranium-doped mesoporous titanium dioxide. <i>RSC Advances</i> , 2017, 7, 21273-21280.	1.7	11
26	Experimental thermochemistry of neptunium oxides: $\text{Np}_2\text{O}_5$ and $\text{NpO}_2$ . <i>Journal of Nuclear Materials</i> , 2018, 501, 398-403.	1.3	10
27	Oxygen point defect accumulation in single-phase $\text{UO}_2$ . <i>Physical Review Materials</i> , 2019, 3, .	0.9	10
28	Mineralogic controls on aqueous neptunium(V) concentrations in silicate systems. <i>Journal of Nuclear Materials</i> , 2013, 433, 233-239.	1.3	9
29	Experimental and Quantum Mechanical Characterization of an Oxygen-Bridged Plutonium(IV) Dimer. <i>Chemistry - A European Journal</i> , 2020, 26, 8115-8120.	1.7	9
30	Radiation-Induced Solid-State Transformations of Uranyl Peroxides. <i>Inorganic Chemistry</i> , 2022, 61, 882-889.	1.9	8
31	Thermodynamic studies of zippeite, a uranyl sulfate common in mine wastes. <i>Chemical Geology</i> , 2016, 447, 54-58.	1.4	7
32	Hybrid Uranyl-Phosphonate Coordination Nanocage. <i>Inorganic Chemistry</i> , 2019, 58, 12662-12668.	1.9	5
33	Ionothermal Synthesis of Uranyl Vanadate Nanoshell Heteropolyoxometalates. <i>Inorganic Chemistry</i> , 2021, 60, 3355-3364.	1.9	5
34	Hydrogen bond network and bond valence analysis on uranyl sulfate compounds with organic-based interstitial cations. <i>Journal of Solid State Chemistry</i> , 2022, 307, 122871.	1.4	5
35	Extraction behaviors of uranyl peroxo cage clusters by mesoporous silica SBA-15. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2016, 310, 453-462.	0.7	4
36	Structure Refinement and Thermal Stability Studies of the Uranyl Carbonate Mineral Andersonite, $\text{Na}_2\text{Ca}[(\text{UO}_2)(\text{CO}_3)_3] \cdot (5+x)\text{H}_2\text{O}$ . <i>Minerals (Basel, Switzerland)</i> , 2018, 8, 586.	0.8	4

#	ARTICLE	IF	CITATIONS
37	Cover Picture: Actinyl Peroxide Nanospheres (Angew. Chem. Int. Ed. 14/2005). Angewandte Chemie - International Edition, 2005, 44, 2039-2039.	7.2	3
38	Extraction of uranyl peroxo clusters from aqueous solution by mesoporous silica SBA-15. Journal of Radioanalytical and Nuclear Chemistry, 2014, 303, 2257.	0.7	2
39	Measurement of the effective capacitance of solutions containing nanoscale uranyl peroxide cage clusters (U6O) reveals cluster effects. Journal of Radioanalytical and Nuclear Chemistry, 2018, 315, 341-346.	0.7	2
40	Structural and Morphological Influences on Neptunium Incorporation in Uranyl Molybdates. Crystal Growth and Design, 2015, 15, 5293-5300.	1.4	1
41	Thermochemical study of tetravalent metal sulfate tetrahydrates: $A^{4+}(SO_4)_2(H_2O)_4$ ( $A^{4+} = Zr, Ce, U$ ). Journal of Solid State Chemistry, 2019, 276, 56-60.	1.4	1
42	High Nuclearity Uranyl Cages Using Rigid Aryl Phosphonate Ligands. European Journal of Inorganic Chemistry, 2019, 2019, 5052-5058.	1.0	0
43	High Nuclearity Uranyl Cages Using Rigid Aryl Phosphonate Ligands. European Journal of Inorganic Chemistry, 2019, 2019, 5040-5040.	1.0	0
44	Thermochemical studies of $X(NpO_2)(PO_4)(H_2O)_3$ ( $X = K^+, Rb^+$ ), neptunium analogs of the autunite/meta-autunite group. Journal of Solid State Chemistry, 2020, 287, 121373.	1.4	0