

Anne E Vivian

List of Publications by Year in descending order

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59
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361413

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#	ARTICLE	IF	CITATIONS
1	Rational Design of Sequestering Agents for Plutonium and Other Actinides. <i>Chemical Reviews</i> , 2003, 103, 4207-4282.	47.7	505
2	Hexaphyrin(1.0.1.0.0.0): An Expanded Porphyrin Ligand for the Actinide Cations Uranyl (UO ₂ ²⁺) and Neptunyl (NpO ₂ ⁺). <i>Angewandte Chemie - International Edition</i> , 2001, 40, 591-594.	13.8	146
3	Actinide expanded porphyrin complexes. <i>Coordination Chemistry Reviews</i> , 2001, 216-217, 411-434.	18.8	76
4	Characterization of the interactions between neptunyl and plutonyl cations and expanded porphyrins. <i>Inorganica Chimica Acta</i> , 2002, 341, 54-70.	2.4	73
5	Hexaphyrin(1.0.1.0.0.0). A new colorimetric actinide sensor. <i>Tetrahedron</i> , 2004, 60, 11089-11097.	1.9	68
6	Coordination Chemistry with f-Element Complexes for an Improved Understanding of Factors That Contribute to Extraction Selectivity. <i>Inorganic Chemistry</i> , 2013, 52, 3445-3458.	4.0	68
7	Novel Dinuclear Uranyl Complexes with Asymmetric Schiff Base Ligands: Synthesis, Structural Characterization, Reactivity, and Extraction Studies. <i>Inorganic Chemistry</i> , 2007, 46, 8309-8315.	4.0	63
8	Thorium coordination: A comprehensive review based on coordination number. <i>Coordination Chemistry Reviews</i> , 2017, 333, 27-43.	18.8	56
9	Sequestered Plutonium: [PuIV{5LIO(Me-3,2-HOPO)} ₂]?The First Structurally Characterized Plutonium Hydroxypyridonate Complex. <i>Chemistry - A European Journal</i> , 2005, 11, 2842-2848.	3.3	51
10	Allylic C-H Activations Using Cu(II) 2-Quinoxalinol Salen and <i>tert</i> -Butyl Hydroperoxide. <i>Journal of Organic Chemistry</i> , 2012, 77, 4628-4633.	3.2	45
11	Hydroxy- and alkoxy-bridged dinuclear uranyl-Schiff base complexes: hydrolysis, transamination and extraction studies. <i>Dalton Transactions</i> , 2008, , 2966.	3.3	36
12	Actinide tetracyanoplatinates: synthesis and structural characterization with uncharacteristic Th-NC coordination and thorium fluorescence. <i>Chemical Communications</i> , 2010, 46, 4944.	4.1	32
13	2-Quinoxalinol Salen Copper Complexes for Oxidation of Aryl Methylenes. <i>European Journal of Organic Chemistry</i> , 2009, 2009, 503-509.	2.4	31
14	Uranyl stabilized Schiff base complex. <i>Chemical Communications</i> , 2007, , 4006.	4.1	28
15	Surprising Coordination Geometry Differences in Ce ^{IV} and Pu ^{IV} Maltol Complexes. <i>European Journal of Inorganic Chemistry</i> , 2008, 2008, 2143-2147.	2.0	28
16	Characterization of a Mixed Salt of 1-Hydroxypyridin-2-one Pu(IV) Complexes. <i>Journal of the American Chemical Society</i> , 2007, 129, 6674-6675.	13.7	27
17	Th and Ce naphthylsalophen sandwich complexes: characterization of unusual thorium fluorescence in solution and solid-state. <i>Chemical Communications</i> , 2017, 53, 11984-11987.	4.1	27
18	An Effective Method for Allylic Oxidation of ⁵ -Steroids Using <i>tert</i> -Butyl Hydroperoxide. <i>Journal of Organic Chemistry</i> , 2010, 75, 1807-1810.	3.2	26

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19	Applications of catalysis in hydroboration of imines, nitriles, and carbodiimides. <i>Organic and Biomolecular Chemistry</i> , 2022, 20, 3675-3702.	2.8	24
20	Amine templated two- and three-dimensional uranyl sulfates. <i>Dalton Transactions</i> , 2010, 39, 3557.	3.3	23
21	Regioselective Synthesis of Asymmetrically Substituted 2-Quinoxalinol Salen Ligands. <i>Journal of Organic Chemistry</i> , 2007, 72, 8691-8699.	3.2	21
22	Characterization of Quinoxalinol Salen Ligands as Selective Ligands for Chemosensors for Uranium. <i>European Journal of Inorganic Chemistry</i> , 2015, 2015, 5708-5714.	2.0	21
23	Monoprotonated Sapphyrinâ€Pertechnetate Anion Interactions in Aqueous Media. <i>Supramolecular Chemistry</i> , 2004, 16, 91-100.	1.2	20
24	An Efficient Method for Solution-Phase Parallel Synthesis of 2-Quinoxalinol Salen Schiff-Base Ligands. <i>ACS Combinatorial Science</i> , 2007, 9, 601-608.	3.3	20
25	An example of unusual pyridine donor Schiff base uranyl (UO ₂ ²⁺) complexes. <i>Chemical Communications</i> , 2017, 53, 5718-5720.	4.1	20
26	Hydroxypyridinone Extraction Agents for Pu(IV). <i>Solvent Extraction and Ion Exchange</i> , 2004, 22, 1037-1068.	2.0	17
27	Oxidation of Propargylic Alcohols with a 2-Quinoxalinol Salen Copper(II) Complex and <i>tert</i> -butyl Hydroperoxide. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 1546-1550.	2.4	16
28	Emission, Raman Spectroscopy, and Structural Characterization of Actinide Tetracyanometallates. <i>Inorganic Chemistry</i> , 2013, 52, 4880-4889.	4.0	15
29	Cu(II) 2-quinoxalinol salen catalyzed oxidation of propargylic, benzylic, and allylic alcohols using <i>tert</i> -butyl hydroperoxide in aqueous solutions. <i>Tetrahedron</i> , 2014, 70, 7962-7968.	1.9	14
30	Synthesis and characterization of 2-quinoxalinol Schiff-base metal complexes. <i>Inorganica Chimica Acta</i> , 2009, 362, 1847-1854.	2.4	13
31	Structural Characterization and Redox Activity of a Uranyl Dimer and Transition-Metal Complexes of a Tetradentate BIAN Ligand. <i>Organometallics</i> , 2017, 36, 4626-4634.	2.3	13
32	Pyrrophenes: Pyrrole-Based Hexadentate Ligands Tailor-Made for Uranyl (UO ₂ ²⁺) Coordination and Molecular Recognition. <i>Inorganic Chemistry</i> , 2020, 59, 9560-9568.	4.0	13
33	New up-conversion luminescence in molecular cyano-substituted naphthylsalophen lanthanide(III) complexes. <i>Chemical Communications</i> , 2021, 57, 2551-2554.	4.1	12
34	Tunable ligand emission of naphthylsalophen triple-decker dinuclear lanthanide(III) sandwich complexes. <i>Dalton Transactions</i> , 2018, 47, 1337-1346.	3.3	11
35	Propargylic C-H activation using a Cu(II) 2-quinoxalinol salen catalyst and <i>tert</i> -butyl hydroperoxide. <i>Tetrahedron Letters</i> , 2018, 59, 803-806.	1.4	10
36	Octadentate Ligands Containing 2,3-Dihydroxybenzamide and 2,3-Dihydroxyterephthalamide Coordinating Subunits on a Tetrapodal Amine Backbone for Chelation of Actinides. <i>European Journal of Organic Chemistry</i> , 2004, 2004, 3244-3253.	2.4	9

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37	Computational Study of Reduction Potentials of Th ⁴⁺ Compounds and Hydrolysis of ThO ₂ (H ₂ O) _n , <i>n</i> = 1, 2, 4. <i>Journal of Physical Chemistry A</i> , 2016, 120, 8169-8183.	2.5	9
38	2-Quinoxalinol salen ligands incorporated into functionalized resins for selective solid-phase extraction of copper(II). <i>Tetrahedron Letters</i> , 2008, 49, 5200-5203.	1.4	8
39	2-Quinoxalinol diamine Cu(II) complex: facilitating catalytic oxidation through dual mechanisms. <i>Dalton Transactions</i> , 2014, 43, 13578.	3.3	8
40	Solid-state structural elucidation and electrochemical analysis of uranyl naphthylsalophen. <i>Chemical Communications</i> , 2018, 54, 11693-11696.	4.1	8
41	Bonding Interactions in Uranyl \pm -Diimine Complexes: A Spectroscopic and Electrochemical Study of the Impacts of Ligand Electronics and Extended Conjugation. <i>Inorganic Chemistry</i> , 2019, 58, 15088-15100.	4.0	8
42	Actinide cyanometallates. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2013, 296, 453-457.	1.5	6
43	Synthesis, structural characterization, electronic spectroscopy, and microfluidic detection of Cu ²⁺ and UO ₂ ²⁺ [di- <i>tert</i> -butyl-salphenazine] complexes. <i>Dalton Transactions</i> , 2015, 44, 4428-4430.	3.3	6
44	An example of enhanced emission of a pyridine containing schiff base zinc ²⁺ complex. <i>Inorganica Chimica Acta</i> , 2019, 492, 156-160.	2.4	6
45	Actinide (Th ⁴⁺ and UO ₂ ²⁺) assisted oxidative coupling of ortho-phenylenediamine in the presence of oxygen. <i>Tetrahedron Letters</i> , 2016, 57, 472-475.	1.4	5
46	Mononuclear Cu(II) and Ni(II) complexes of bis(naphthalen-2-yl) Schiff base ligands. <i>Inorganica Chimica Acta</i> , 2019, 484, 125-132.	2.4	5
47	Oxidative Mannich Reactions of Tertiary Amines Using a Cu(II) 2-Quinoxalinol Salen Catalyst. <i>Journal of Organic Chemistry</i> , 2019, 84, 9806-9810.	3.2	4
48	Hexaphyrin(1.0.1.0.0.0): An Expanded Porphyrin Ligand for the Actinide Cations Uranyl (UO ₂ ²⁺) and Neptunyl (NpO ₂ ⁺). <i>Angewandte Chemie - International Edition</i> , 2001, 40, 591-594.	13.8	4
49	One-pot metal templated synthesis for the preparation of 2-quinoxalinol salen metal complexes. <i>Polyhedron</i> , 2009, 28, 360-362.	2.2	3
50	Solid state π - π stacking and higher order dimensional crystal packing, reactivity, and electrochemical behaviour of salphenazine actinide and transition metal complexes. <i>Dalton Transactions</i> , 2016, 45, 14243-14251.	3.3	3
51	Synthesis and X-ray crystal structure of three polyazamacrocycles having sulfonate pendant groups: Piperazinyl-monomethanesulfonic acid, sodium hydrogen 1,4,7-triazacyclononane-N,N'-di(methanesulfonate) and 1,4,7,10-tetraazacyclododecane-N,N'-di(methanesulfonic acid). <i>Journal of Crystallographic and Spectroscopic Research</i> , 1993, 23, 885-890.	0.2	2
52	Sequestered Plutonium: [PuIV{5LIO(Me-3,2-HOPO)} ₂] ⁺ The First Structurally Characterized Plutonium Hydroxypyridonate Complex. <i>Chemistry - A European Journal</i> , 2007, 13, 378-378.	3.3	2
53	Copper and uranyl extraction from aqueous solutions using bis-dithiophosphinate ligands have been characterized. <i>Polyhedron</i> , 2012, 42, 271-275.	2.2	2
54	Comparing coordination uranyl(II) complexes with 2-(1 <i>H</i> -imidazo[4,5- <i>b</i>]phenazin-2-yl)phenol and derivatives. <i>Dalton Transactions</i> , 2021, 50, 11113-11122.	3.3	2

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55	Actinide Selective Systems for Environmental Extraction and Sensing Applications. Materials Research Society Symposia Proceedings, 2008, 1104, 1.	0.1	1
56	Ensemble effects on allylic oxidation within explicit solvation environments. Dalton Transactions, 2021, 50, 9259-9268.	3.3	1
57	Rational Design of Sequestering Agents for Plutonium and Other Actinides. ChemInform, 2004, 35, no.	0.0	0
58	Hexaphyrin(1.0.1.0.0.0). A New Colorimetric Actinoid Sensor.. ChemInform, 2005, 36, no.	0.0	0
59	Structural Characterization of a Plutonium Sequestering Agent Complex by Synchrotron X-Ray Diffraction. Materials Research Society Symposia Proceedings, 2006, 986, 1.	0.1	0