

# Anne E Vivian

## List of Publications by Year in descending order

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59  
papers

1,790  
citations

361413  
20  
h-index

276875  
41  
g-index

67  
all docs

67  
docs citations

67  
times ranked

1830  
citing authors

#	ARTICLE	IF	CITATIONS
1	Applications of catalysis in hydroboration of imines, nitriles, and carbodiimides. <i>Organic and Biomolecular Chemistry</i> , 2022, 20, 3675-3702.	2.8	24
2	New up-conversion luminescence in molecular cyano-substituted naphthylsalophen lanthanide(III) complexes. <i>Chemical Communications</i> , 2021, 57, 2551-2554.	4.1	12
3	Ensemble effects on allylic oxidation within explicit solvation environments. <i>Dalton Transactions</i> , 2021, 50, 9259-9268.	3.3	1
4	Comparing coordination uranyl(VI) 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
5	Pyrrophenes: Pyrrole-Based Hexadentate Ligands Tailor-Made for Uranyl (UO <sub>2</sub> <sup>2+</sup> ) Coordination and Molecular Recognition. <i>Inorganic Chemistry</i> , 2020, 59, 9560-9568.	4.0	13
6	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
7	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
8	An example of enhanced emission of a pyridine containing schiff base zinc <sup>2+</sup> complex. <i>Inorganica Chimica Acta</i> , 2019, 492, 156-160.	2.4	6
9	Mononuclear Cu(II) and Ni(II) complexes of bis(naphthalen-2-ol) Schiff base ligands. <i>Inorganica Chimica Acta</i> , 2019, 484, 125-132.	2.4	5
10	Propargylic C-H activation using a Cu(II) 2-quinoxalinol salen catalyst and tert-butyl hydroperoxide. <i>Tetrahedron Letters</i> , 2018, 59, 803-806.	1.4	10
11	Tunable ligand emission of naphthylsalophen triple-decker dinuclear lanthanide(III) sandwich complexes. <i>Dalton Transactions</i> , 2018, 47, 1337-1346.	3.3	11
12	Solid-state structural elucidation and electrochemical analysis of uranyl naphthylsalophen. <i>Chemical Communications</i> , 2018, 54, 11693-11696.	4.1	8
13	An example of unusual pyridine donor Schiff base uranyl (UO <sub>2</sub> <sup>2+</sup> ) complexes. <i>Chemical Communications</i> , 2017, 53, 5718-5720.	4.1	20
14	Th(IV) and Ce(IV) naphthylsalophen sandwich complexes: characterization of unusual thorium fluorescence in solution and solid-state. <i>Chemical Communications</i> , 2017, 53, 11984-11987.	4.1	27
15	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
16	Thorium coordination: A comprehensive review based on coordination number. <i>Coordination Chemistry Reviews</i> , 2017, 333, 27-43.	18.8	56
17	Computational Study of Reduction Potentials of Th <sup>4+</sup> Compounds and Hydrolysis of ThO <sub>2</sub> (H <sub>2</sub> O) <sub>n</sub> ( <i>n</i> = 1, 2, 4). <i>Journal of Physical Chemistry A</i> , 2016, 120, 8169-8183.	2.5	9
18	Solid state $\pi$ - $\pi$ 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

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19	Actinide (Th <sup>4+</sup> and UO <sub>2</sub> <sup>2+</sup> ) assisted oxidative coupling of ortho-phenylenediamine in the presence of oxygen. <i>Tetrahedron Letters</i> , 2016, 57, 472-475.	1.4	5
20	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
21	Synthesis, structural characterization, electronic spectroscopy, and microfluidic detection of Cu <sup>2+</sup> and UO <sub>2</sub> <sup>2+</sup> [di- <i>tert</i> -butyl-salphenazine] complexes. <i>Dalton Transactions</i> , 2015, 44, 4428-4430.	3.3	6
22	2-Quinoxalinol diamine Cu(II) complex: facilitating catalytic oxidation through dual mechanisms. <i>Dalton Transactions</i> , 2014, 43, 13578.	3.3	8
23	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
24	Actinide cyanometallates. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2013, 296, 453-457.	1.5	6
25	Oxidation of Propargylic Alcohols with a 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
26	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
27	Emission, Raman Spectroscopy, and Structural Characterization of Actinide Tetracyanometallates. <i>Inorganic Chemistry</i> , 2013, 52, 4880-4889.	4.0	15
28	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
29	Copper and uranyl extraction from aqueous solutions using bis-dithiophosphinate ligands have been characterized. <i>Polyhedron</i> , 2012, 42, 271-275.	2.2	2
30	An Effective Method for Allylic Oxidation of $\beta$ -Steroids Using <i>tert</i> -Butyl Hydroperoxide. <i>Journal of Organic Chemistry</i> , 2010, 75, 1807-1810.	3.2	26
31	Amine templated two- and three-dimensional uranyl sulfates. <i>Dalton Transactions</i> , 2010, 39, 3557.	3.3	23
32	Actinide tetracyanoplatinates: synthesis and structural characterization with uncharacteristic Th <sup>4+</sup> NC coordination and thorium fluorescence. <i>Chemical Communications</i> , 2010, 46, 4944.	4.1	32
33	Quinoxalinol Salen Copper Complexes for Oxidation of Aryl Methylenes. <i>European Journal of Organic Chemistry</i> , 2009, 2009, 503-509.	2.4	31
34	Synthesis and characterization of 2-quinoxalinol Schiff-base metal complexes. <i>Inorganica Chimica Acta</i> , 2009, 362, 1847-1854.	2.4	13
35	One-pot metal templated synthesis for the preparation of 2-quinoxalinol salen metal complexes. <i>Polyhedron</i> , 2009, 28, 360-362.	2.2	3
36	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

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37	Surprising Coordination Geometry Differences in Ce <sup>IV</sup> and Pu <sup>IV</sup> Maltol Complexes. <i>European Journal of Inorganic Chemistry</i> , 2008, 2008, 2143-2147.	2.0	28
38	Hydroxy- and alkoxy-bridged dinuclear uranyl Schiff base complexes: hydrolysis, transamination and extraction studies. <i>Dalton Transactions</i> , 2008, , 2966.	3.3	36
39	Actinide Selective Systems for Environmental Extraction and Sensing Applications. <i>Materials Research Society Symposia Proceedings</i> , 2008, 1104, 1.	0.1	1
40	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
41	Regioselective Synthesis of Asymmetrically Substituted 2-Quinoxalinol Salen Ligands. <i>Journal of Organic Chemistry</i> , 2007, 72, 8691-8699.	3.2	21
42	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
43	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
44	Uranyl stabilized Schiff base complex. <i>Chemical Communications</i> , 2007, , 4006.	4.1	28
45	Sequestered Plutonium: [PuIV{5LIO(Me-3,2-HOPO)} <sub>2</sub> ] The First Structurally Characterized Plutonium Hydroxypyridonate Complex. <i>Chemistry - A European Journal</i> , 2007, 13, 378-378.	3.3	2
46	Structural Characterization of a Plutonium Sequestering Agent Complex by Synchrotron X-Ray Diffraction. <i>Materials Research Society Symposia Proceedings</i> , 2006, 986, 1.	0.1	0
47	Sequestered Plutonium: [PuIV{5LIO(Me-3,2-HOPO)} <sub>2</sub> ] The First Structurally Characterized Plutonium Hydroxypyridonate Complex. <i>Chemistry - A European Journal</i> , 2005, 11, 2842-2848.	3.3	51
48	Hexaphyrin(1.0.1.0.0.0). A New Colorimetric Actinoid Sensor.. <i>ChemInform</i> , 2005, 36, no.	0.0	0
49	Hydroxypyridinone Extraction Agents for Pu(IV). <i>Solvent Extraction and Ion Exchange</i> , 2004, 22, 1037-1068.	2.0	17
50	Monoprotonated Sapphyrin Peractinonate Anion Interactions in Aqueous Media. <i>Supramolecular Chemistry</i> , 2004, 16, 91-100.	1.2	20
51	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
52	Rational Design of Sequestering Agents for Plutonium and Other Actinides. <i>ChemInform</i> , 2004, 35, no.	0.0	0
53	Hexaphyrin(1.0.1.0.0.0). A new colorimetric actinide sensor. <i>Tetrahedron</i> , 2004, 60, 11089-11097.	1.9	68
54	Rational Design of Sequestering Agents for Plutonium and Other Actinides. <i>Chemical Reviews</i> , 2003, 103, 4207-4282.	47.7	505

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55	Characterization of the interactions between neptunyl and plutonyl cations and expanded porphyrins. <i>Inorganica Chimica Acta</i> , 2002, 341, 54-70.	2.4	73
56	Hexaphyrin(1.0.1.0.0.0): An Expanded Porphyrin Ligand for the Actinide Cations Uranyl (UO <sub>2</sub> <sup>2+</sup> ) and Neptunyl (NpO <sub>2</sub> <sup>+</sup> ). <i>Angewandte Chemie - International Edition</i> , 2001, 40, 591-594.	13.8	146
57	Actinide expanded porphyrin complexes. <i>Coordination Chemistry Reviews</i> , 2001, 216-217, 411-434.	18.8	76
58	Hexaphyrin(1.0.1.0.0.0): An Expanded Porphyrin Ligand for the Actinide Cations Uranyl (UO <sub>2</sub> <sup>2+</sup> ) and Neptunyl (NpO <sub>2</sub> <sup>+</sup> ). <i>Angewandte Chemie - International Edition</i> , 2001, 40, 591-594.	13.8	4
59	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