

Madeleine Schultz

List of Publications by Year in descending order

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50
papers

1,089
citations

516710

16
h-index

414414

32
g-index

52
all docs

52
docs citations

52
times ranked

1075
citing authors

#	ARTICLE	IF	CITATIONS
1	Coordination of 2,2'-Bipyridyl and 1,10-Phenanthroline to Substituted Ytterbocenes: An Experimental Investigation of Spin Coupling in Lanthanide Complexes. <i>Organometallics</i> , 2002, 21, 460-472.	2.3	171
2	Carbon Monoxide and Isocyanide Complexes of Trivalent Uranium Metallocenes. <i>Chemistry - A European Journal</i> , 1999, 5, 3000-3009.	3.3	128
3	Synthesis and Solid State Structures of Sterically Crowded d0-Metallocenes of Magnesium, Calcium, Strontium, Barium, Samarium, and Ytterbium. <i>Organometallics</i> , 2002, 21, 3139-3146.	2.3	84
4	Solid-State Structures of Base-Free Ytterbocenes and Inclusion Compounds of Bis(pentamethylcyclopentadienyl)ytterbium with Neutral Carboranes and Toluene: The Role of Intermolecular Contacts. <i>Organometallics</i> , 2000, 19, 781-789.	2.3	80
5	Weak paramagnetism in compounds of the type Cp ² Yb(bipy). <i>New Journal of Chemistry</i> , 2006, 30, 238.	2.8	59
6	Development and Use of Kitchen Chemistry Home Practical Activities during Unanticipated Campus Closures. <i>Journal of Chemical Education</i> , 2020, 97, 2678-2684.	2.3	58
7	StERICALLY CROWDED DIPHOSPHINOMETHANE LIGANDS: MOLECULAR STRUCTURES, UV-PHOTOELECTRON SPECTROSCOPY AND A CONVENIENT GENERAL SYNTHESIS OF tBu ₂ PCH ₂ PtBu ₂ AND RELATED SPECIES DEDICATED TO PROFESSOR ROALD HOFFMANN ON THE OCCASION OF HIS 65TH BIRTHDAY. Electronic supplementary information (ESI) available: photoelectron spectra for compounds 1 and 5, ORTEP diagrams for compounds 1 and 5, calculated minimum structures (UB3LYP/6-31G**) and structural parameters for two forms of the radical cation 1. See: NewJournalofChemistry">http://www.NewJournalofChemistry , 2003, 27,	2.8	53
8	Solution Infrared Spectroscopic Studies on Equilibrium Reactions of CO with the Decamethylmetallocenes Cp ² MII, Where MII = Mg, Ca, Sr, Ba, Sm, Eu, Yb. <i>Organometallics</i> , 2002, 21, 3100-3107.	2.3	41
9	Bis(alkynyl), Metallacyclopentadiene, and Diphenylbutadiyne Complexes of Ruthenium. <i>Organometallics</i> , 2007, 26, 1325-1338.	2.3	31
10	Supramolecular Selection in Molecular Alloys. <i>Crystal Growth and Design</i> , 2012, 12, 3906-3916.	3.0	29
11	Coordination of Carbon Monoxide and Isocyanides to Bis(pentamethylcyclopentadienyl)ytterbium and Related Bivalent Ytterbocenes. <i>Organometallics</i> , 2001, 20, 5690-5699.	2.3	26
12	Organometallic Macrocyclic Chemistry. 6.1 Chelate-Assisted Macrocyclization of 4,7,10-Trithiatrideca-2,11-diyne. <i>Organometallics</i> , 2004, 23, 81-85.	2.3	26
13	Crowded Diphosphinomethane Ligands in Catalysis: [(R ₂ PCH ₂ PR ₂) ₂ Ni] ⁺ Cations for Ethylene Polymerization without Activators. <i>Organometallics</i> , 2012, 31, 207-224.	2.3	26
14	Reactions of Ruthenium(0) Phosphine Complexes with Diphenylacetylene. <i>Organometallics</i> , 2004, 23, 5729-5736.	2.3	23
15	Insertion Reactions of (Benzyne)nickel(0) Complexes with Carbon Monoxide: X-ray Structure of a (Phthalato)nickel(II) Complex Formed by Oxidation of an 1:1-Phthaloyl Intermediate. <i>Organometallics</i> , 1996, 15, 928-933.	2.3	22
16	Defining and measuring authentic assessment: a case study in the context of tertiary science. <i>Assessment and Evaluation in Higher Education</i> , 2022, 47, 77-94.	5.6	19
17	Coordination complexes of bivalent ansa-ytterbocenes: synthesis, structure and comparison with related unbridged ytterbocenes and ansa-ferrocenes. <i>New Journal of Chemistry</i> , 2005, 29, 919.	2.8	17
18	Evaluation of diagnostic tools that tertiary teachers can apply to profile their students' conceptions. <i>International Journal of Science Education</i> , 2017, 39, 565-586.	1.9	17

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19	Situating Sustainable Development within Secondary Chemistry Education via Systems Thinking: A Depth Study Approach. <i>Journal of Chemical Education</i> , 2019, 96, 2968-2974.	2.3	17
20	Facile Two-Step Construction of a Novel Tetrathiamacrotricyclic. <i>Organometallics</i> , 2005, 24, 2027-2029.	2.3	16
21	Exploring Engagement as a Predictor of Success in the Transition to Online Learning in First Year Chemistry. <i>Journal of Chemical Education</i> , 2020, 97, 2494-2501.	2.3	16
22	Personal journeys of teachers: an investigation of the development of teacher professional knowledge and skill by expert tertiary chemistry teachers. <i>Chemistry Education Research and Practice</i> , 2019, 20, 132-145.	2.5	10
23	Using formative feedback to identify and support first-year chemistry students with missing or misconceptions. A Practice Report. <i>The International Journal of the First Year in Higher Education</i> , 2013, 4, .	0.5	10
24	[P,P-Di-tert-butyl-N-trimethylsilyl-P-(trimethylsilylamino)phosphine imidato- λ^2 N,N λ^2]bis(pyridine- λ^1 N)lithium(I). <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2002, 58, m256-m257.	0.4	8
25	The Australian Chemistry Discipline Network: A Supportive Community of Practice in a Hard Science. , 2017, , 501-530.		8
26	Rhodium-Induced Fragmentation and Rearrangement of 4,7,10-Trithiatrideca-2,11-diyne. <i>Organometallics</i> , 2003, 22, 2531-2534.	2.3	7
27	Characterisation of teacher professional knowledge and skill through content representations from tertiary chemistry educators. <i>Chemistry Education Research and Practice</i> , 2018, 19, 508-519.	2.5	7
28	Perils and promise of online exams. <i>Nature Reviews Chemistry</i> , 2022, 6, 299-300.	30.2	7
29	Structure, magnetism and colour in simple bis(phosphine)nickel(II) dihalide complexes: an experimental and theoretical investigation. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2013, 69, 1437-1447.	0.4	6
30	Organometallic Macrocyclic Chemistry. 8. An Unusual Metallacycle Derived from Phosphine π -Alkynyl Thioether Coupling. <i>Organometallics</i> , 2010, 29, 6488-6492.	2.3	5
31	Influences of Molecular Structure on Supramolecular Selection during Cocrystallization of Polypyridyl Metal Complexes. <i>Crystal Growth and Design</i> , 2015, 15, 62-69.	3.0	5
32	Development of Scaffolded Online Modules To Support Self-Regulated Learning in Chemistry Concepts. <i>ACS Symposium Series</i> , 2016, , 1-21.	0.5	5
33	Assessing the Assessments: Development of a Tool To Evaluate Assessment Items in Chemistry According to Learning Outcomes. <i>ACS Symposium Series</i> , 2016, , 225-244.	0.5	5
34	Insights and Teacher Perceptions Regarding Students' Conceptions as They Enter Tertiary Chemistry Studies: a Comparative Study. <i>International Journal of Science and Mathematics Education</i> , 2019, 17, 43-65.	2.5	5
35	Exploring opportunities to incorporate systems thinking into secondary and tertiary chemistry education through practitioner perspectives. <i>International Journal of Science Education</i> , 2021, 43, 2618-2639.	1.9	5
36	OK google: what's the answer? characteristics of students who searched the internet during an online chemistry examination. <i>Assessment and Evaluation in Higher Education</i> , 2022, 47, 1458-1474.	5.6	5

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37	Improving the Assessment of Transferable Skills in Chemistry Through Evaluation of Current Practice. , 2019, , 255-274.		4
38	Topics Amenable to a Systems Thinking Approach: Secondary and Tertiary Perspectives. Journal of Chemical Education, 2021, 98, 3100-3109.	2.3	4
39	Sustainable assessment for large science classes: Non-multiple choice, randomised assignments through a learning management system. Journal of Learning Design, 2012, 4, .	0.8	4
40	Membrane-Permeant, Bioactivatable Coumarin Derivatives for In-Cell Labelling. ChemBioChem, 2022, 23, e202100699.	2.6	4
41	Development, Evaluation, and Application of Chemistry Threshold Learning Outcomes – A Curriculum Framework for Tertiary Chemistry in Australia. Australian Journal of Chemistry, 2022, , .	0.9	3
42	Embedding environmental sustainability in the undergraduate Chemistry curriculum: A moral imperative to combat climate change. Journal of Learning Design, 2013, 6, .	0.8	3
43	Teaching and assessing ethics and social responsibility in undergraduate science: A position paper. Journal of Learning Design, 2014, 7, .	0.8	3
44	Bis(5-1,3-di-tert-butylcyclopentadienyl)chromium(II). Acta Crystallographica Section E: Structure Reports Online, 2007, 63, m3085-m3085.	0.2	2
45	Supercritical Fluid Extraction of Metals Using Bis(2,4,4-trimethyl-pentyl)monothiophosphinic Acid as Chelating Agent for Subsequent ICP-MS Analyses of Mercury, Cadmium and Lead in Sediment. E-Journal of Chemistry, 2011, 8, 1114-1119.	0.5	2
46	Di-iodido-bis[(diethyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 387 Td (ether-1,3-di-tert-butylcyclopentadienyl)chromium(II). Acta Crystallographica Section E: Structure Reports Online, 2008, 64, m232-m232.	0.2	1
47	Visualization of Ectopic Serine Protease Activity by Förster Resonance Energy Transfer-Based Reporters. ACS Chemical Biology, 2021, 16, 2174-2184.	3.4	1
48	Development, Use, And Evaluation of Chemistry Outreach Activities Related to the Periodic Table and Sustainability. Journal of Chemical Education, 2021, 98, 3921-3929.	2.3	1
49	Synthesis of Dianionic and Trianionic Chiral, Chelating Ligands Based on Amino Acids. Australian Journal of Chemistry, 2008, 61, 297.	0.9	0
50	Tris[4,4,4-trifluoro-1-(2-thienyl)butane-1,3-dionato]aluminium(III) and tris[4,4,4-trifluoro-1-(2-thienyl)butane-1,3-dionato]iron(III) (3/1). Acta Crystallographica Section E: Structure Reports Online, 2009, 65, m981-m981.	0.2	0