

Gregory Nocton

List of Publications by Year in descending order

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papers

1,697
citations

279487

23
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288905

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63
all docs

63
docs citations

63
times ranked

1818
citing authors

#	ARTICLE	IF	CITATIONS
1	Polynuclear Cationic Complexes of Pentavalent Uranyl: Relating Stability and Magnetic Properties to Structure. <i>Journal of the American Chemical Society</i> , 2008, 130, 16633-16645.	6.6	160
2	Synthesis, Structure, and Bonding of Stable Complexes of Pentavalent Uranyl. <i>Journal of the American Chemical Society</i> , 2010, 132, 495-508.	6.6	147
3	Geometry Flexibility of Copper Iodide Clusters: Variability in Luminescence Thermochromism. <i>Inorganic Chemistry</i> , 2015, 54, 4483-4494.	1.9	136
4	Self-Assembly of Polyoxo Clusters and Extended Frameworks by Controlled Hydrolysis of Low-Valent Uranium. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 7574-7578.	7.2	94
5	Reversible Sigma C-C Bond Formation Between Phenanthroline Ligands Activated by (C ₅ Me ₅) ₂ Yb. <i>Journal of the American Chemical Society</i> , 2014, 136, 8626-8641.	6.6	75
6	Cationic Complexes of Pentavalent Uranyl: From Disproportionation Intermediates to Stable Clusters. <i>Chemistry - A European Journal</i> , 2010, 16, 14365-14377.	1.7	69
7	Water Stability and Luminescence of Lanthanide Complexes of Tripodal Ligands Derived from 1,4,7-Triazacyclononane: Pyridinecarboxamide versus Pyridinecarboxylate Donors. <i>Helvetica Chimica Acta</i> , 2009, 92, 2257-2273.	1.0	65
8	Dinobium Inverted Sandwich Complexes with η^4 - η^6 -Arene Ligands: Synthesis, Kinetics of Formation, and Electronic Structure. <i>Journal of the American Chemical Society</i> , 2013, 135, 3224-3236.	6.6	56
9	Mechanochromic Luminescence of Copper Iodide Clusters. <i>Chemistry - A European Journal</i> , 2015, 21, 5892-5897.	1.7	51
10	Effect of Cations on the Structure and Electrocatalytic Response of Polyoxometalate-Based Coordination Polymers. <i>Crystal Growth and Design</i> , 2017, 17, 1600-1609.	1.4	50
11	Lanthanidocenes: Synthesis, Structure, and Bonding of Linear Sandwich Complexes of Lanthanides. <i>Journal of the American Chemical Society</i> , 2018, 140, 14433-14439.	6.6	50
12	Influence of the Torsion Angle in 3,3'-Dimethyl-2,2'-bipyridine on the Intermediate Valence of Yb in (C ₅ Me ₅) ₂ Yb(3,3'-Me ₂ -bipy). <i>Organometallics</i> , 2013, 32, 5305-5312.	1.1	43
13	Thermal Dihydrogen Elimination from Cp* ₂ Yb(4,5-diazafluorene). <i>Organometallics</i> , 2013, 32, 1150-1158.	1.1	42
14	Reversible C-C coupling in phenanthroline complexes of divalent samarium and thulium. <i>Chemical Communications</i> , 2015, 51, 3578-3581.	2.2	41
15	Cerium Tetrakis(tropolonate) and Cerium Tetrakis(acetylacetonate) Are Not Diamagnetic but Temperature-Independent Paramagnets. <i>Inorganic Chemistry</i> , 2018, 57, 7290-7298.	1.9	35
16	Lanthanide(II) Complexes Supported by N,O-Donor Tripodal Ligands: Synthesis, Structure, and Ligand-Dependent Redox Behavior. <i>Chemistry - A European Journal</i> , 2015, 21, 15188-15200.	1.7	34
17	Tuning the Stability of Pd(IV) Intermediates Using a Redox Non-innocent Ligand Combined with an Organolanthanide Fragment. <i>Journal of the American Chemical Society</i> , 2017, 139, 10633-10636.	6.6	32
18	Multiple One-Electron Transfers in Bipyridine Complexes of Bis(phospholyl) Thulium. <i>Organometallics</i> , 2014, 33, 4100-4106.	1.1	31

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19	N-aromatic heterocycle adducts of bulky [1,2,4-(Me) ₃ C] ₃ C ₅ H ₂] ₂ Sm: synthesis, structure and solution analysis. Dalton Transactions, 2014, 43, 4380-4387.	1.6	30
20	Reductive Disproportionation of CO ₂ with Bulky Divalent Samarium Complexes. Organometallics, 2017, 36, 4660-4668.	1.1	30
21	Divalent Thulium Crown Ether Complexes with Field-Induced Slow Magnetic Relaxation. Inorganic Chemistry, 2019, 58, 2872-2880.	1.9	30
22	A Tetracoordinated Phosphasalen Nickel(III) Complex. Angewandte Chemie - International Edition, 2014, 53, 1368-1372.	7.2	28
23	Bis-Cyclooctatetraenyl Thulium(II): Highly Reducing Lanthanide Sandwich Single-Molecule Magnets. Angewandte Chemie - International Edition, 2021, 60, 6042-6046.	7.2	27
24	Assessment of Density Functionals for Computing Thermodynamic Properties of Lanthanide Complexes. ChemPhysChem, 2017, 18, 2688-2696.	1.0	25
25	Divalent Thulium Triflate: A Structural and Spectroscopic Study. Angewandte Chemie - International Edition, 2017, 56, 4266-4271.	7.2	24
26	Carbon-Hydrogen Bond Breaking and Making in the Open-Shell Singlet Molecule Cp* ₂ Yb(4,7-Me ₂ phen). Organometallics, 2014, 33, 6819-6829.	1.1	23
27	Electron localization in a mixed-valence dinioabium benzene complex. Chemical Science, 2015, 6, 993-1003.	3.7	22
28	Synthesis and Reactivity of Low-Valent f-Element Iodide Complexes with Neutral Iminophosphorane Ligands. Inorganic Chemistry, 2018, 57, 9230-9240.	1.9	22
29	Intermediate Valence States in Lanthanide Compounds. Chemistry - A European Journal, 2021, 27, 6860-6879.	1.7	21
30	Understanding the Multiconfigurational Ground and Excited States in Lanthanide Tetrakis Bipyridine Complexes from Experimental and CASSCF Computational Studies. Inorganic Chemistry, 2019, 58, 12083-12098.	1.9	18
31	Î ⁵ →Î ¹ Switch in Divalent Phosphaytterbocene Complexes with Neutral Iminophosphoranyl Pincer Ligands: Solid-State Structures and Solution NMR ¹ J_{YbP} Coupling Constants. Organometallics, 2015, 34, 5470-5478.	1.1	17
32	Synthesis and Characterization of 1,1-Diphosphaplumbocenes: Oxidative Ligand Transfer Reactions with Divalent Thulium Complexes. Organometallics, 2016, 35, 2032-2038.	1.1	17
33	A Heptanuclear Copper Iodide Nanocluster. Inorganic Chemistry, 2018, 57, 11961-11969.	1.9	16
34	Small molecule activation with divalent samarium triflate: a synergistic effort to cleave O ₂ . Dalton Transactions, 2018, 47, 9226-9230.	1.6	16
35	Electronic Structures of Mono-Oxidized Copper and Nickel Phosphasalen Complexes. Chemistry - A European Journal, 2017, 23, 17940-17953.	1.7	15
36	Reactive Heterobimetallic Complex Combining Divalent Ytterbium and Dimethyl Nickel Fragments. Inorganics, 2019, 7, 58.	1.2	15

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37	Redox-Initiated Reactivity of Dinuclear $\hat{\text{I}}^2$ -Diketiminatoniobium Imido Complexes. <i>Inorganic Chemistry</i> , 2017, 56, 1626-1637.	1.9	9
38	Bis $\hat{\text{C}}\text{yclooctatetraenyl Thulium(II)}$: Highly Reducing Lanthanide Sandwich Single $\hat{\text{C}}\text{Molecule Magnets}$. <i>Angewandte Chemie</i> , 2021, 133, 6107-6111.	1.6	9
39	Electron transfer in tetramethylbiphosphinine complexes of Cp^*_{2}Yb and Cp^*_{2}Sm . <i>New Journal of Chemistry</i> , 2016, 40, 6643-6649.	1.4	8
40	Divalent Thulium Triflate: A Structural and Spectroscopic Study. <i>Angewandte Chemie</i> , 2017, 129, 4330-4335.	1.6	7
41	Phenylacetylene and Carbon Dioxide Activation by an Organometallic Samarium Complex. <i>Inorganics</i> , 2018, 6, 82.	1.2	7
42	CO reductive oligomerization by a divalent thulium complex and CO_{2} -induced functionalization. <i>Chemical Science</i> , 2022, 13, 7449-7461.	3.7	7
43	Influence of a Lanthanide Ion on the Ni Site of a Heterobimetallic $3d\hat{\text{C}}4f$ Mabiq Complex. <i>Inorganic Chemistry</i> , 2021, 60, 403-411.	1.9	6
44	Size $\hat{\text{C}}\text{ontrolled Hapticity Switching in } [\text{Ln}(\text{C}_{9}\text{H}_{9})(\text{C}_{8}\text{H}_{8})] \text{ Sandwiches}$. <i>Chemistry - A European Journal</i> , 2021, 27, 13558-13567.	1.7	6
45	Reversible electron transfer in organolanthanide chemistry. , 2019, 3, 1.		6
46	Redox activity of a dissymmetric ligand bridging divalent ytter-bium and reactive nickel fragments. <i>Inorganic Chemistry Frontiers</i> , 2021, 8, 647-657.	3.0	4
47	Synthesis and Structures of Tris(cyclononatetraenyl) Rare-Earth Complexes $[\text{Ln}(\text{C}_{9}\text{H}_{9})_{3}]$ (Ln = Y, Gd, Tb, Dy, Ho, Er, Tm). <i>Organometallics</i> , 2022, 41, 133-140.	1.1	3
48	CO Activation by (Diphosphane)platinum(0): Carbonate and Acetone Formation - Experimental and Mechanistic Study. <i>European Journal of Inorganic Chemistry</i> , 2013, 2013, 4000-4007.	1.0	2
49	Atom economical coupling of benzophenone and N-heterocyclic aromatics with SmI_{2} . <i>Chemical Communications</i> , 2020, 56, 11875-11878.	2.2	2
50	2.7 Organometallic rare-earth chemistry. , 2020, , 201-222.		2
51	Larger Aromatic Complexes of the Group 3 Metals and Lanthanides. , 2021, , .		1
52	Inside Cover: A Nitrido-Centered Uranium Azido Cluster Obtained from a Uranium Azide (<i>Angew. Chem.</i>) Tj ETQq0 0,0 rgBT /Qverlock 10	7.2	0
53	Inside Cover: Stable Pentavalent Uranyl Species and Selective Assembly of a Polymetallic Mixed-Valent Uranyl Complex by Cation-Cation Interactions (<i>Angew. Chem. Int. Ed.</i> 45/2009). <i>Angewandte Chemie - International Edition</i> , 2009, 48, 8382-8382.	7.2	0
54	RÃ¼cktitelbild: Divalent Thulium Triflate: A Structural and Spectroscopic Study (<i>Angew. Chem.</i> 15/2017). <i>Angewandte Chemie</i> , 2017, 129, 4428-4428.	1.6	0

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55	Frontispiece: Intermediate Valence States in Lanthanide Compounds. Chemistry - A European Journal, 2021, 27, .	1.7	0