

# Gregory Nocton

## List of Publications by Year in descending order

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55  
papers

1,697  
citations

279487

23  
h-index

288905

40  
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63  
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63  
docs citations

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times ranked

1818  
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis and Structures of Tris(cyclononatetraenyl) Rare-Earth Complexes [Ln(C <sub>9</sub> H <sub>9</sub> ) <sub>3</sub> ] (Ln = Y, Gd, Tb, Dy, Ho, Er, Tm). <i>Organometallics</i> , 2022, 41, 133-140.	1.1	3
2	CO reductive oligomerization by a divalent thulium complex and CO <sub>2</sub> -induced functionalization. <i>Chemical Science</i> , 2022, 13, 7449-7461.	3.7	7
3	Redox activity of a dissymmetric ligand bridging divalent ytterbium and reactive nickel fragments. <i>Inorganic Chemistry Frontiers</i> , 2021, 8, 647-657.	3.0	4
4	Bis(cyclooctatetraenyl) Thulium(II): Highly Reducing Lanthanide Sandwich Single-Molecule Magnets. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 6042-6046.	7.2	27
5	Influence of a Lanthanide Ion on the Ni Site of a Heterobimetallic 3d <sup>4</sup> Mabiq Complex. <i>Inorganic Chemistry</i> , 2021, 60, 403-411.	1.9	6
6	Intermediate Valence States in Lanthanide Compounds. <i>Chemistry - A European Journal</i> , 2021, 27, 6860-6879.	1.7	21
7	Bis(cyclooctatetraenyl) Thulium(II): Highly Reducing Lanthanide Sandwich Single-Molecule Magnets. <i>Angewandte Chemie</i> , 2021, 133, 6107-6111.	1.6	9
8	Larger Aromatic Complexes of the Group 3 Metals and Lanthanides. , 2021, , .		1
9	Frontispiece: Intermediate Valence States in Lanthanide Compounds. <i>Chemistry - A European Journal</i> , 2021, 27, .	1.7	0
10	Size-Controlled Hapticity Switching in [Ln(C <sub>9</sub> H <sub>9</sub> )(C <sub>8</sub> H <sub>8</sub> ) <sub>2</sub> ] Sandwiches. <i>Chemistry - A European Journal</i> , 2021, 27, 13558-13567.	1.7	6
11	Atom economical coupling of benzophenone and N-heterocyclic aromatics with Sm <sub>2</sub> . <i>Chemical Communications</i> , 2020, 56, 11875-11878.	2.2	2
12	2.7 Organometallic rare-earth chemistry. , 2020, , 201-222.		2
13	Understanding the Multiconfigurational Ground and Excited States in Lanthanide Tetrakis Bipyridine Complexes from Experimental and CASSCF Computational Studies. <i>Inorganic Chemistry</i> , 2019, 58, 12083-12098.	1.9	18
14	Reactive Heterobimetallic Complex Combining Divalent Ytterbium and Dimethyl Nickel Fragments. <i>Inorganics</i> , 2019, 7, 58.	1.2	15
15	Divalent Thulium Crown Ether Complexes with Field-Induced Slow Magnetic Relaxation. <i>Inorganic Chemistry</i> , 2019, 58, 2872-2880.	1.9	30
16	Reversible electron transfer in organolanthanide chemistry. , 2019, 3, 1.		6
17	Phenylacetylene and Carbon Dioxide Activation by an Organometallic Samarium Complex. <i>Inorganics</i> , 2018, 6, 82.	1.2	7
18	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

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19	A Heptanuclear Copper Iodide Nanocluster. <i>Inorganic Chemistry</i> , 2018, 57, 11961-11969.	1.9	16
20	Small molecule activation with divalent samarium triflate: a synergistic effort to cleave O <sub>2</sub> . <i>Dalton Transactions</i> , 2018, 47, 9226-9230.	1.6	16
21	Synthesis and Reactivity of Low-Valent f-Element Iodide Complexes with Neutral Iminophosphorane Ligands. <i>Inorganic Chemistry</i> , 2018, 57, 9230-9240.	1.9	22
22	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
23	Redox-Initiated Reactivity of Dinuclear $\text{f}^2$ -Diketiminatoniobium Imido Complexes. <i>Inorganic Chemistry</i> , 2017, 56, 1626-1637.	1.9	9
24	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
25	Divalent Thulium Triflate: A Structural and Spectroscopic Study. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 4266-4271.	7.2	24
26	$\text{f}^1$ 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
27	Divalent Thulium Triflate: A Structural and Spectroscopic Study. <i>Angewandte Chemie</i> , 2017, 129, 4330-4335.	1.6	7
28	Electronic Structures of Mono-oxidized Copper and Nickel Phosphasalen Complexes. <i>Chemistry - A European Journal</i> , 2017, 23, 17940-17953.	1.7	15
29	Reductive Disproportionation of CO <sub>2</sub> with Bulky Divalent Samarium Complexes. <i>Organometallics</i> , 2017, 36, 4660-4668.	1.1	30
30	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
31	Assessment of Density Functionals for Computing Thermodynamic Properties of Lanthanide Complexes. <i>ChemPhysChem</i> , 2017, 18, 2688-2696.	1.0	25
32	Synthesis and Characterization of 1,1'-Diphosphaplumbocenes: Oxidative Ligand Transfer Reactions with Divalent Thulium Complexes. <i>Organometallics</i> , 2016, 35, 2032-2038.	1.1	17
33	Electron transfer in tetramethylbiphosphinine complexes of Cp* <sub>2</sub> Yb and Cp* <sub>2</sub> Sm. <i>New Journal of Chemistry</i> , 2016, 40, 6643-6649.	1.4	8
34	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
35	$\text{f}^5$ $\rightarrow$ $\text{f}^1$ Switch in Divalent Phosphaytterbocene Complexes with Neutral Iminophosphoranyl Pincer Ligands: Solid-State Structures and Solution NMR $\text{f}^1$ $\rightarrow$ $\text{f}^5$ Coupling Constants. <i>Organometallics</i> , 2015, 34, 5470-5478.	1.1	17
36	Reversible C-C coupling in phenanthroline complexes of divalent samarium and thulium. <i>Chemical Communications</i> , 2015, 51, 3578-3581.	2.2	41

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37	Electron localization in a mixed-valence diniohium benzene complex. <i>Chemical Science</i> , 2015, 6, 993-1003.	3.7	22
38	Mechanochromic Luminescence of Copper Iodide Clusters. <i>Chemistry - A European Journal</i> , 2015, 21, 5892-5897.	1.7	51
39	Geometry Flexibility of Copper Iodide Clusters: Variability in Luminescence Thermochromism. <i>Inorganic Chemistry</i> , 2015, 54, 4483-4494.	1.9	136
40	Carbon-Hydrogen Bond Breaking and Making in the Open-Shell Singlet Molecule Cp* <sub>2</sub> Yb(4,7-Me <sub>2</sub> phen). <i>Organometallics</i> , 2014, 33, 6819-6829.	1.1	23
41	A Tetracoordinated Phosphasalen Nickel(III) Complex. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 1368-1372.	7.2	28
42	N-aromatic heterocycle adducts of bulky [1,2,4-(Me <sub>3</sub> C) <sub>3</sub> C <sub>5</sub> H <sub>2</sub> ] <sub>2</sub> Sm: synthesis, structure and solution analysis. <i>Dalton Transactions</i> , 2014, 43, 4380-4387.	1.6	30
43	Multiple One-Electron Transfers in Bipyridine Complexes of Bis(phospholyl) Thulium. <i>Organometallics</i> , 2014, 33, 4100-4106.	1.1	31
44	Reversible Sigma C-C Bond Formation Between Phenanthroline Ligands Activated by (C <sub>5</sub> Me <sub>5</sub> ) <sub>2</sub> Yb. <i>Journal of the American Chemical Society</i> , 2014, 136, 8626-8641.	6.6	75
45	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
46	Influence of the Torsion Angle in 3,3'-Dimethyl-2,2'-bipyridine on the Intermediate Valence of Yb in (C <sub>5</sub> Me <sub>5</sub> ) <sub>2</sub> Yb(3,3'-Me <sub>2</sub> -bipy). <i>Organometallics</i> , 2013, 32, 5305-5312.	1.1	43
47	Thermal Dihydrogen Elimination from Cp* <sub>2</sub> Yb(4,5-diazafluorene). <i>Organometallics</i> , 2013, 32, 1150-1158.	1.1	42
48	Dinobium Inverted Sandwich Complexes with $\eta^4\text{-f}^6\text{-}\eta^6\text{-Arene}$ Ligands: Synthesis, Kinetics of Formation, and Electronic Structure. <i>Journal of the American Chemical Society</i> , 2013, 135, 3224-3236.	6.6	56
49	Cation-Cation Complexes of Pentavalent Uranyl: From Disproportionation Intermediates to Stable Clusters. <i>Chemistry - A European Journal</i> , 2010, 16, 14365-14377.	1.7	69
50	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
51	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
52	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
53	Inside Cover: A Nitrido-Centered Uranium Azido Cluster Obtained from a Uranium Azide ( <i>Angew. Chem.</i> ) Tj ETQq1 1,0.784314 rgBT /Ov	7.2	0
54	Polynuclear Cation-Cation 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

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55	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