

Trevor D Lohrey

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Solution Thermodynamics and Kinetics of Metal Complexation with a Hydroxypyridinone Chelator Designed for Thorium-227 Targeted Alpha Therapy. <i>Inorganic Chemistry</i> , 2018, 57, 14337-14346.	1.9	38
2	Chemical structure and bonding in a thorium(III)-aluminum heterobimetallic complex. <i>Chemical Science</i> , 2018, 9, 4317-4324.	3.7	34
3	A Homoleptic Uranium(III) Tris(aryl) Complex. <i>Journal of the American Chemical Society</i> , 2016, 138, 15865-15868.	6.6	32
4	Structural, Electrochemical, and Magnetic Studies of Bulky Uranium(III) and Uranium(IV) Metallocenes. <i>Inorganic Chemistry</i> , 2019, 58, 16629-16641.	1.9	28
5	Heterotetrametallic Re ZnZnRe Complex Generated by an Anionic Rhenium(II) D^2 -Diketimate. <i>Journal of the American Chemical Society</i> , 2019, 141, 800-804.	6.6	28
6	Oxygen Atom Transfer and Intramolecular Nitrene Transfer in a Rhenium D^2 -Diketimate Complex. <i>Inorganic Chemistry</i> , 2016, 55, 11993-12000.	1.9	25
7	Toxic heavy metal (Pb, Cd, Sn) complexation by the octadentate hydroxypyridinonate ligand archetype 3,4,3-LI(1,2-HOPO). <i>New Journal of Chemistry</i> , 2018, 42, 7649-7658.	1.4	24
8	Chemical Vapor Deposition of Phase-Pure Uranium Dioxide Thin Films from Uranium(IV) Amidate Precursors. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 5749-5753.	7.2	24
9	A Uranium Tri-Rhenium Triple Inverse Sandwich Compound. <i>Journal of the American Chemical Society</i> , 2019, 141, 5144-5148.	6.6	22
10	Controlling dinitrogen functionalization at rhenium through alkali metal ion pairing. <i>Dalton Transactions</i> , 2019, 48, 17936-17944.	1.6	22
11	Developing scandium and yttrium coordination chemistry to advance theranostic radiopharmaceuticals. <i>Communications Chemistry</i> , 2020, 3, .	2.0	22
12	Structural properties of ultra-small thorium and uranium dioxide nanoparticles embedded in a covalent organic framework. <i>Chemical Science</i> , 2020, 11, 4648-4668.	3.7	22
13	Hydride oxidation from a titanium-aluminum bimetallic complex: insertion, thermal and electrochemical reactivity. <i>Chemical Science</i> , 2017, 8, 5153-5160.	3.7	19
14	Potent strategy towards strongly emissive nitroaromatics through a weakly electron-deficient core. <i>Chemical Science</i> , 2021, 12, 14039-14049.	3.7	19
15	Complexation-assisted reduction: complexes of glutarimide-dioxime with tetravalent actinides (Np(IV) and Th(IV)). <i>Dalton Transactions</i> , 2018, 47, 8134-8141.	1.6	17
16	H_2 Activation and Direct Access to Terminal Nitride and cyclo-P_3 Complexes by an Acceptor-Free Rhenium(II) D^2 -Diketimate. <i>Inorganic Chemistry</i> , 2019, 58, 13492-13501.	1.9	17
17	1,2-Addition and cycloaddition reactions of niobium bis(imido) and oxo imido complexes. <i>Chemical Science</i> , 2020, 11, 11613-11632.	3.7	17
18	Olefin-Supported Rhenium(III) Terminal Oxo Complexes Generated by Nucleophilic Addition to a Cyclopentadienyl Ligand. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 14241-14245.	7.2	16

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19	Hydroboration Reactivity of Niobium Bis(N-heterocyclic carbene)borate Complexes. <i>Inorganic Chemistry</i> , 2018, 57, 5213-5224.	1.9	16
20	Inducing selectivity and chirality in group IV metal coordination with high-density hydroxypyridinones. <i>Dalton Transactions</i> , 2019, 48, 8238-8247.	1.6	14
21	Control of clustering behavior in anionic cerium(^{III}) corrole complexes: from oligomers to monomers. <i>Dalton Transactions</i> , 2016, 45, 18653-18660.	1.6	13
22	Structural diversity in multinuclear tantalum polyhydrides formed via reductive hydrogenolysis of metal-carbon bonds. <i>Chemical Communications</i> , 2019, 55, 13263-13266.	2.2	13
23	Rational Design of a Uranyl Metal-Organic Framework for the Capture and Colorimetric Detection of Organic Dyes. <i>Chemistry - A European Journal</i> , 2020, 26, 13819-13825.	1.7	13
24	Uranium Metallocene Azides, Isocyanates, and Their Borane-Capped Lewis Adducts. <i>Inorganic Chemistry</i> , 2020, 59, 8580-8588.	1.9	12
25	Synthesis, characterization, and epoxide ring-opening reactivity of thorium-NHC-bpy complexes. <i>Journal of Organometallic Chemistry</i> , 2018, 857, 10-15.	0.8	10
26	Reductions of a Rhenium(III) Terminal Oxo Complex by Isocyanides and Carbon Monoxide. <i>Organometallics</i> , 2018, 37, 3552-3557.	1.1	10
27	Coordination of 2,2-bis-(Trifluoroazanediy)bis(N,N-dimethylacetamide) with U(VI), Nd(III), and Np(V): A Thermodynamic and Structural Study. <i>Inorganic Chemistry</i> , 2019, 58, 15962-15970.	1.9	10
28	Diverse Reactivity of a Rhenium(V) Oxo Imido Complex: [2 + 2] Cycloadditions, Chalcogen Metathesis, Oxygen Atom Transfer, and Protic and Hydridic 1,2-Additions. <i>Inorganic Chemistry</i> , 2020, 59, 11096-11107.	1.9	10
29	Electronic Structures of Rhenium(II) $\hat{\text{T}}^2$ -Diketiminates Probed by EPR Spectroscopy: Direct Comparison of an Acceptor-Free Complex to Its Dinitrogen, Isocyanide, and Carbon Monoxide Adducts. <i>Journal of the American Chemical Society</i> , 2020, 142, 13805-13813.	6.6	10
30	Electron acceptors promote proton-hydride tautomerism in low valent rhenium $\hat{\text{T}}^2$ -diketiminates. <i>Chemical Communications</i> , 2020, 56, 3761-3764.	2.2	10
31	Redox-Initiated Reactivity of Dinuclear $\hat{\text{T}}^2$ -Diketiminatoniobium Imido Complexes. <i>Inorganic Chemistry</i> , 2017, 56, 1626-1637.	1.9	9
32	$\hat{\text{T}}^2$ or $\hat{\text{T}}^3$? Bonding interactions in a series of rhenium metallotetrylenes. <i>Dalton Transactions</i> , 2021, 50, 2083-2092.	1.6	9
33	Amidinate Supporting Ligands Influence Molecularity in Formation of Uranium Nitrides. <i>Inorganic Chemistry</i> , 2021, 60, 6672-6679.	1.9	8
34	The influence of tetraphenylethylene moieties on the emissive properties of dipyrrolonaphthyridinediones. <i>Journal of Materials Chemistry C</i> , 2018, 6, 12306-12313.	2.7	7
35	Facile Activation of Triarylboranes by Rhenium(V) Oxo Imido Complexes. <i>Inorganic Chemistry</i> , 2020, 59, 7216-7226.	1.9	5
36	Access to Corrole-Appended Persubstituted Benzofurans by a Multicomponent Reaction: The Dual Role of <i>p</i> -Chloranil. <i>Organic Letters</i> , 2020, 22, 8139-8143.	2.4	4

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37	Identifying the Imperative Role of Metal–Olefin Interactions in Catalytic C–O Reductive Elimination from Nickel(II). <i>ACS Catalysis</i> , 2021, 11, 10208-10222.	5.5	4
38	Perturbation of ¹ J _{C,F} Coupling in Carbon–Fluorine Bonds on Coordination to Lewis Acids: A Structural, Spectroscopic, and Computational Study. <i>Inorganic Chemistry</i> , 2020, 59, 17259-17267.	1.9	3
39	Spectroscopic, Magnetic, and Computational Investigations on a Series of Rhenium(III) Cyclopentadienide I ² -diketiminato Halide and Pseudohalide Complexes. <i>Organometallics</i> , 0, , .	1.1	3
40	Thorium amidates function as single-source molecular precursors for thorium dioxide. <i>Chemical Communications</i> , 2021, 57, 4954-4957.	2.2	2
41	Olefin-Supported Rhenium(III) Terminal Oxo Complexes Generated by Nucleophilic Addition to a Cyclopentadienyl Ligand. <i>Angewandte Chemie</i> , 2017, 129, 14429-14433.	1.6	1
42	Chemical Vapor Deposition of Phase-Pure Uranium Dioxide Thin Films from Uranium(IV) Amidate Precursors. <i>Angewandte Chemie</i> , 2019, 131, 5805-5809.	1.6	1