Seth N Brown

List of Publications by Year
in descending order

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62	2,045	236612	253896
papers	citations	25	43
		h-index	g-index

63	63	63	1933
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Mono- and Bis(iminoxolene)iridium Complexes: Synthesis and Covalency in Ï€ Bonding. Inorganic Chemistry, 2022, 61, 5547-5562.	1.9	3
2	Nonclassical oxygen atom transfer reactions of an eight-coordinate dioxomolybdenum(<scp>vi</scp>) complex. Inorganic Chemistry Frontiers, 2021, 8, 2865-2870.	3.0	2
3	Amphiphilicity in Oxygen Atom Transfer Reactions of Oxobis(iminoxolene)osmium Complexes. Inorganic Chemistry, 2021, 60, 4004-4014.	1.9	7
4	Synthesis, dynamics and redox properties of eight-coordinate zirconium catecholate complexes. Dalton Transactions, 2020, 49, 11648-11656.	1.6	4
5	High-valent osmium iminoxolene complexes. Dalton Transactions, 2020, 49, 8504-8515.	1.6	5
6	Highly covalent metalâ€“ligand Ï€ bonding in chelated bis- and tris(iminoxolene) complexes of osmium and ruthenium. Dalton Transactions, 2020, 49, 7015-7027.	1.6	12
7	Mono- and bimetallic pentacoordinate silicon complexes of a chelating bis(catecholimine) ligand. Dalton Transactions, 2019, 48, 11565-11574.	1.6	11
8	Deuteration of BTZ043 Extends the Lifetime of Meisenheimer Intermediates to the Antituberculosis Nitroso Oxidation State. ACS Medicinal Chemistry Letters, 2019, 10, 1462-1466.	1.3	12
9	On the border between localization and delocalization: tris(iminoxolene)titanium(iv). Dalton Transactions, 2019, 48, 1427-1435.	1.6	11
10	Group 10 Bis(iminosemiquinone) Complexes: Measurement of Singletâ€“Triplet Gaps and Analysis of the Effects of Metal and Geometry on Electronic Structure. Inorganic Chemistry, 2018, 57, 3272-3286.	1.9	19
11	When Do Strongly Coupled Diradicals Show Strongly Coupled Reactivity? Thermodynamics and Kinetics of Hydrogen Atom Transfer Reactions of Palladium and Platinum Bis(iminosemiquinone) Complexes. Inorganic Chemistry, 2018, 57, 9696-9707.	1.9	13
12	Molybdenum(vi) tris(amidophenoxide) complexes. Dalton Transactions, 2018, 47, 15583-15595.	1.6	11
13	The Metal or the Ligand? The Preferred Locus for Redox Changes in Oxygen Atom Transfer Reactions of Rhenium Amidodiphenoxides. Journal of the American Chemical Society, 2017, 139, 4521-4531.	6.6	21
14	A chelating bis(aminophenol) ligand bridged by a 1,1â€²-ferrocene-bis(para-phenylene) linker. Dalton Transactions, 2017, 46, 9049-9057.	1.6	11
15	Intrinsic Bond Energies from a Bonds-in-Molecules Neural Network. Journal of Physical Chemistry Letters, 2017, 8, 2689-2694.	2.1	100
16	Redox activity and Ï€ bonding in a tripodal seven-coordinate molybdenum(<scp>vi</scp>) tris(amidophenolate). Dalton Transactions, 2015, 44, 677-685.	1.6	29
17	Mixed amidophenolateâ€“catecholates of molybdenum(<scp>vi</scp>). Dalton Transactions, 2014, 43, 3601-3611.	1.6	21
18	Octahedral to trigonal prismatic distortion driven by subjacent orbital Ï€ antibonding interactions and modulated by ligand redox noninnocence. Chemical Communications, 2014, 50, 7956-7959.	2.2	17

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19	Metal and Ligand Effects on Bonding in Group 6 Complexes of Redox-Active Amidodiphenoxides. Inorganic Chemistry, 2014, 53, 10203-10216.	1.9	36
20	Mechanism and Selectivity of Methyl and Phenyl Migrations in Hypervalent Silylated Iminoquinones. Journal of Organic Chemistry, 2014, 79, 12047-12055.	1.7	8
21	Nonclassical Oxygen Atom Transfer as a Synthetic Strategy: Preparation of an Oxorhenium(V) Complex of the Bis(3,5-di-tert-butyl-2-phenoxo)amide Ligand. Inorganic Chemistry, 2013, 52, 7831-7833.	1.9	18
22	Migrations of Alkyl and Aryl Groups from Silicon to Nitrogen in Silylated Aryloxyiminoquinones. Organometallics, 2013, 32, 556-564.	1.1	21
23	Nonclassical oxygen atom transfer reactions of oxomolybdenum(vi) bis(catecholate). Chemical Communications, 2012, 48, 7826.	2.2	23
24	Metrical Oxidation States of 2-Amidophenoxide and Catecholate Ligands: Structural Signatures of Metalâ€“Ligand Ï€ Bonding in Potentially Noninnocent Ligands. Inorganic Chemistry, 2012, 51, 1251-1260.	1.9	303
25	Molybdenum(VI) Complexes of a 2,2â€²-Biphenyl-bridged Bis(amidophenoxide): Competition between Metalâ€“Ligand and Metalâ€“Amidophenoxide Ï€ Bonding. Inorganic Chemistry, 2012, 51, 1239-1250.	1.9	26
26	Catalysis and the Dance of the Seven Vales. Journal of Physical Chemistry Letters, 2012, 3, 278-279.	2.1	1
27	Gauging electronic dissymmetry in bis-chelates of titanium(<scp>iv</scp>) using sterically and electronically variable 2,2â€²-biphenoxides. Chemical Science, 2011, 2, 331-336.	3.7	11
28	Redox-active tetrahydrosalen (salan) complexes of titanium. Dalton Transactions, 2011, 40, 11458.	1.6	11
29	Tris(4-bromophenyl)aminium hexachloridoantimonate (`Magic Blue'): a strong oxidant with low inner-sphere reorganization. Acta Crystallographica Section C: Crystal Structure Communications, 2010, 66, m171-m173.	0.4	17
30	Redox-Active Tripodal Aminetris(aryloxide) Complexes of Titanium(IV). Inorganic Chemistry, 2010, 49, 4687-4697.	1.9	47
31	Optically active bis(Î²-diketonate) complexes of titanium. Dalton Transactions, 2010, 39, 10105.	1.6	7
32	Intermetallic Communication in Titanium(IV) Ferrocenyldiketonates. Inorganic Chemistry, 2009, 48, 10789-10799.	1.9	26
33	Dramatic Effect of Aggregation on Rates and Thermodynamics of Stereoisomerization of Magnesium Enolates. Journal of the American Chemical Society, 2009, 131, 6056-6057.	6.6	9
34	Tetradentate Bis(hydroxamate) and Hydroxamate-Diketonate Ligands and Their Titanium(IV) Complexes. Inorganic Chemistry, 2008, 47, 11902-11909.	1.9	14
35	Ultrafast and Ultraslow Oxygen Atom Transfer Reactions between Late Metal Centers. Journal of the American Chemical Society, 2007, 129, 588-600.	6.6	25
36	A chelating Î²-diketonate/phenoxide ligand and its coordination behavior toward titanium and scandium. Dalton Transactions, 2006, , 1030-1040.	1.6	15

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37	Mononucleating Bis(Î²-diketonate) Ligands and Their Titanium(IV) Complexes. Inorganic Chemistry, 2006, 45, 10309-10320.	1.9	12
38	Kinetics and Mechanism of Ketone Enolization Mediated by Magnesium Bis(hexamethyldisilazide). Journal of the American Chemical Society, 2006, 128, 13599-13610.	6.6	35
39	Kinetic Effects in Heterometallic Dinitrogen Cleavage. Inorganic Chemistry, 2006, 45, 9540-9550.	1.9	26
40	Electronic Dissymmetry in Chiral Recognition. Journal of the American Chemical Society, 2005, 127, 16010-16011.	6.6	24
41	Six-Coordinate Titanium Complexes of a Tripodal Aminetris(phenoxide) Ligand:â€‰ Synthesis, Structure, and Dynamics. Inorganic Chemistry, 2005, 44, 2803-2814.	1.9	57
42	Remarkable thermodynamic stability toward hydrolysis of tripodal titanium alkoxidesElectronic supplementary information (ESI) available: syntheses and spectroscopic characterization of new compounds. See http://www.rsc.org/suppdata/cc/b3/b315092e/. Chemical Communications, 2004, , 468.	2.2	46
43	Cleavage of Conjugated Alkenes by Cationic Osmium Nitrides:Â Scope of the Reaction and Dynamics of the Azaallenium Products. Organometallics, 2004, 23, 1932-1946.	1.1	23
44	Titanatranes Derailed:Â Static and Dynamic Triethanolamine Slippage Induced by Polyphenoxide Chelationâ€. Inorganic Chemistry, 2004, 43, 6995-7004.	1.9	27
45	Unsymmetrically Bridging Aryls of Iridium. Organometallics, 2003, 22, 4480-4489.	1.1	3
46	Stoichiometric and Catalytic Oxygen Activation by Trimesityliridium(III). Inorganic Chemistry, 2002, 41, 4815-4823.	1.9	44
47	Polar Effects in Nitride Coupling Reactions. Inorganic Chemistry, 2002, 41, 462-469.	1.9	81
48	Practical Os/Cu-Cocatalyzed Air Oxidation of Allyl and Benzyl Alcohols at Room Temperature and Atmospheric Pressure. Organic Letters, 2002, 4, 1043-1045.	2.4	75
49	Structure/Activity Study of Tris(2-aminoethyl)amine-Derived Translocases for Phosphatidylcholine. Journal of Organic Chemistry, 2002, 67, 2168-2174.	1.7	39
50	[4 + 1] Cycloadditions of Cyclohexadienes with Osmium Nitrides. Journal of the American Chemical Society, 2001, 123, 7459-7460.	6.6	64
51	Synthesis and Cleavage Reactions of Metalâ^'Metal-Bonded [Mo2(S2CNR2)6](OTf)2, a Source of the Tris(dithiocarbamato)molybdenum(IV) Fragment. Inorganic Chemistry, 2001, 40, 6676-6683.	1.9	6
52	Oxidative Azavinylidene Formation in the Reaction of 1,3-Diphenylisobenzofuran with Osmium Nitride Complexes. Inorganic Chemistry, 2000, 39, 378-381.	1.9	33
53	Charge Effects on Oxygen Atom Transfer. Inorganic Chemistry, 2000, 39, 325-332.	1.9	94
54	Insertion of a Metal Nitride into Carbonâ^'Carbon Double Bonds. Journal of the American Chemical Society, 1999, 121, 9752-9753.	6.6	57

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55	Synthesis and Reactions of Rhenium(V) Oxoâˆ'Hydride Complexes. Organometallics, 1998, 17, 2939-2941.	1.1	22
56	On the Mechanism of Câˆ'H Bond Activation in the Photochemical Arylation of Rhenium(V) Oxo Iodide Complexes. Organometallics, 1998, 17, 3364-3374.	1.1	30
57	Phenyl-to-Oxo Migration in an Electrophilic Rhenium(VII) Dioxo Complex. Journal of the American Chemical Society, 1996, 118, 12119-12133.	6.6	81
58	Self-Assembly of a Complex Fluorinated Metallacycle from Hexafluoroacetone and Acetonitrile on Aerobic Photolysis of (HB(pz)3)ReO(C2O4). Inorganic Chemistry, 1995, 34, 3560-3562.	1.9	12
59	Photochemical Metal-to-Oxo Migrations of Aryl and Alkyl Ligands. Organometallics, 1995, 14, 2951-2960.	1.1	44
60	Synthesis and characterization of hydroxo-bridged diiron(III) complexes containing carboxylate or phosphate ester bridges: comparisons to diiron(III) proteins. Inorganic Chemistry, 1994, 33, 636-645.	1.9	82
61	Formation of Rhenium Phenoxides from Arenes Via C-H Activation and Aryl-to-Oxo Migration. Journal of the American Chemical Society, 1994, 116, 2219-2220.	6.6	33
62	Photochemical generation of a reactive rhenium(III) oxo complex and its curious mode of cleavage of dioxygen. Inorganic Chemistry, 1992, 31, 4091-4100.	1.9	68