

Seth N Brown

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Metrical Oxidation States of 2-Amidophenoxide and Catecholate Ligands: Structural Signatures of Metal-Ligand Bonding in Potentially Noninnocent Ligands. <i>Inorganic Chemistry</i> , 2012, 51, 1251-1260.	1.9	303
2	Intrinsic Bond Energies from a Bonds-in-Molecules Neural Network. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 2689-2694.	2.1	100
3	Charge Effects on Oxygen Atom Transfer. <i>Inorganic Chemistry</i> , 2000, 39, 325-332.	1.9	94
4	Synthesis and characterization of hydroxo-bridged diiron(III) complexes containing carboxylate or phosphate ester bridges: comparisons to diiron(III) proteins. <i>Inorganic Chemistry</i> , 1994, 33, 636-645.	1.9	82
5	Phenyl-to-Oxo Migration in an Electrophilic Rhenium(VII) Dioxo Complex. <i>Journal of the American Chemical Society</i> , 1996, 118, 12119-12133.	6.6	81
6	Polar Effects in Nitride Coupling Reactions. <i>Inorganic Chemistry</i> , 2002, 41, 462-469.	1.9	81
7	Practical Os/Cu-Cocatalyzed Air Oxidation of Allyl and Benzyl Alcohols at Room Temperature and Atmospheric Pressure. <i>Organic Letters</i> , 2002, 4, 1043-1045.	2.4	75
8	Photochemical generation of a reactive rhenium(III) oxo complex and its curious mode of cleavage of dioxygen. <i>Inorganic Chemistry</i> , 1992, 31, 4091-4100.	1.9	68
9	[4 + 1] Cycloadditions of Cyclohexadienes with Osmium Nitrides. <i>Journal of the American Chemical Society</i> , 2001, 123, 7459-7460.	6.6	64
10	Insertion of a Metal Nitride into Carbon-Carbon Double Bonds. <i>Journal of the American Chemical Society</i> , 1999, 121, 9752-9753.	6.6	57
11	Six-Coordinate Titanium Complexes of a Tripodal Aminetris(phenoxide) Ligand: Synthesis, Structure, and Dynamics. <i>Inorganic Chemistry</i> , 2005, 44, 2803-2814.	1.9	57
12	Redox-Active Tripodal Aminetris(aryloxy) Complexes of Titanium(IV). <i>Inorganic Chemistry</i> , 2010, 49, 4687-4697.	1.9	47
13	Remarkable thermodynamic stability toward hydrolysis of tripodal titanium alkoxides. Electronic supplementary information (ESI) available: syntheses and spectroscopic characterization of new compounds. See http://www.rsc.org/suppdata/cc/b3/b315092e/ . <i>Chemical Communications</i> , 2004, , 468.	2.2	46
14	Photochemical Metal-to-Oxo Migrations of Aryl and Alkyl Ligands. <i>Organometallics</i> , 1995, 14, 2951-2960.	1.1	44
15	Stoichiometric and Catalytic Oxygen Activation by Trimesityliridium(III). <i>Inorganic Chemistry</i> , 2002, 41, 4815-4823.	1.9	44
16	Structure/Activity Study of Tris(2-aminoethyl)amine-Derived Translocases for Phosphatidylcholine. <i>Journal of Organic Chemistry</i> , 2002, 67, 2168-2174.	1.7	39
17	Metal and Ligand Effects on Bonding in Group 6 Complexes of Redox-Active Amidodiphenoxides. <i>Inorganic Chemistry</i> , 2014, 53, 10203-10216.	1.9	36
18	Kinetics and Mechanism of Ketone Enolization Mediated by Magnesium Bis(hexamethyldisilazide). <i>Journal of the American Chemical Society</i> , 2006, 128, 13599-13610.	6.6	35

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19	Formation of Rhenium Phenoxides from Arenes Via C-H Activation and Aryl-to-Oxo Migration. <i>Journal of the American Chemical Society</i> , 1994, 116, 2219-2220.	6.6	33
20	Oxidative Azavinylidene Formation in the Reaction of 1,3-Diphenylisobenzofuran with Osmium Nitride Complexes. <i>Inorganic Chemistry</i> , 2000, 39, 378-381.	1.9	33
21	On the Mechanism of C-H Bond Activation in the Photochemical Arylation of Rhenium(V) Oxo Iodide Complexes. <i>Organometallics</i> , 1998, 17, 3364-3374.	1.1	30
22	Redox activity and π bonding in a tripodal seven-coordinate molybdenum(VI) tris(amidophenolate). <i>Dalton Transactions</i> , 2015, 44, 677-685.	1.6	29
23	Titanatranes Derailed: A Static and Dynamic Triethanolamine Slippage Induced by Polyphenoxide Chelation. <i>Inorganic Chemistry</i> , 2004, 43, 6995-7004.	1.9	27
24	Kinetic Effects in Heterometallic Dinitrogen Cleavage. <i>Inorganic Chemistry</i> , 2006, 45, 9540-9550.	1.9	26
25	Intermetallic Communication in Titanium(IV) Ferrocenyldiketonates. <i>Inorganic Chemistry</i> , 2009, 48, 10789-10799.	1.9	26
26	Molybdenum(VI) Complexes of a 2,2'-Biphenyl-bridged Bis(amidophenoxide): Competition between Metal-Ligand and Metal-Amidophenoxide π Bonding. <i>Inorganic Chemistry</i> , 2012, 51, 1239-1250.	1.9	26
27	Ultrafast and Ultraslow Oxygen Atom Transfer Reactions between Late Metal Centers. <i>Journal of the American Chemical Society</i> , 2007, 129, 588-600.	6.6	25
28	Electronic Dissymmetry in Chiral Recognition. <i>Journal of the American Chemical Society</i> , 2005, 127, 16010-16011.	6.6	24
29	Cleavage of Conjugated Alkenes by Cationic Osmium Nitrides: A Scope of the Reaction and Dynamics of the Azaallene Products. <i>Organometallics</i> , 2004, 23, 1932-1946.	1.1	23
30	Nonclassical oxygen atom transfer reactions of oxomolybdenum(VI) bis(catecholate). <i>Chemical Communications</i> , 2012, 48, 7826.	2.2	23
31	Synthesis and Reactions of Rhenium(V) Oxo-Hydride Complexes. <i>Organometallics</i> , 1998, 17, 2939-2941.	1.1	22
32	Migrations of Alkyl and Aryl Groups from Silicon to Nitrogen in Silylated Aryloxyiminoquinones. <i>Organometallics</i> , 2013, 32, 556-564.	1.1	21
33	Mixed amidophenolate-catecholates of molybdenum(VI). <i>Dalton Transactions</i> , 2014, 43, 3601-3611.	1.6	21
34	The Metal or the Ligand? The Preferred Locus for Redox Changes in Oxygen Atom Transfer Reactions of Rhenium Amidodiphenoxides. <i>Journal of the American Chemical Society</i> , 2017, 139, 4521-4531.	6.6	21
35	Group 10 Bis(iminosemiquinone) Complexes: Measurement of Singlet-Triplet Gaps and Analysis of the Effects of Metal and Geometry on Electronic Structure. <i>Inorganic Chemistry</i> , 2018, 57, 3272-3286.	1.9	19
36	Nonclassical Oxygen Atom Transfer as a Synthetic Strategy: Preparation of an Oxorhenium(V) Complex of the Bis(3,5-di- <i>tert</i> -butyl-2-phenoxo)amide Ligand. <i>Inorganic Chemistry</i> , 2013, 52, 7831-7833.	1.9	18

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37	Tris(4-bromophenyl)aminium hexachloridoantimonate ('Magic Blue'): a strong oxidant with low inner-sphere reorganization. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2010, 66, m171-m173.	0.4	17
38	Octahedral to trigonal prismatic distortion driven by subjacent orbital π -antibonding interactions and modulated by ligand redox noninnocence. <i>Chemical Communications</i> , 2014, 50, 7956-7959.	2.2	17
39	A chelating β^2 -diketonate/phenoxide ligand and its coordination behavior toward titanium and scandium. <i>Dalton Transactions</i> , 2006, , 1030-1040.	1.6	15
40	Tetradentate Bis(hydroxamate) and Hydroxamate-Diketonate Ligands and Their Titanium(IV) Complexes. <i>Inorganic Chemistry</i> , 2008, 47, 11902-11909.	1.9	14
41	When Do Strongly Coupled Diradicals Show Strongly Coupled Reactivity? Thermodynamics and Kinetics of Hydrogen Atom Transfer Reactions of Palladium and Platinum Bis(iminosemiquinone) Complexes. <i>Inorganic Chemistry</i> , 2018, 57, 9696-9707.	1.9	13
42	Self-Assembly of a Complex Fluorinated Metallacycle from Hexafluoroacetone and Acetonitrile on Aerobic Photolysis of (HB(pz) ₃)ReO(C ₂ O ₄). <i>Inorganic Chemistry</i> , 1995, 34, 3560-3562.	1.9	12
43	Mononucleating Bis(β^2 -diketonate) Ligands and Their Titanium(IV) Complexes. <i>Inorganic Chemistry</i> , 2006, 45, 10309-10320.	1.9	12
44	Deuteration of BTZ043 Extends the Lifetime of Meisenheimer Intermediates to the Antituberculosis Nitroso Oxidation State. <i>ACS Medicinal Chemistry Letters</i> , 2019, 10, 1462-1466.	1.3	12
45	Highly covalent metal-ligand π bonding in chelated bis- and tris(iminoxolene) complexes of osmium and ruthenium. <i>Dalton Transactions</i> , 2020, 49, 7015-7027.	1.6	12
46	Gauging electronic dissymmetry in bis-chelates of titanium(IV) using sterically and electronically variable 2,2'-biphenoxides. <i>Chemical Science</i> , 2011, 2, 331-336.	3.7	11
47	Redox-active tetrahydrosalen (salan) complexes of titanium. <i>Dalton Transactions</i> , 2011, 40, 11458.	1.6	11
48	A chelating bis(aminophenol) ligand bridged by a 1,1'-ferrocene-bis(para-phenylene) linker. <i>Dalton Transactions</i> , 2017, 46, 9049-9057.	1.6	11
49	Molybdenum(vi) tris(amidophenoxide) complexes. <i>Dalton Transactions</i> , 2018, 47, 15583-15595.	1.6	11
50	Mono- and bimetallic pentacoordinate silicon complexes of a chelating bis(catecholimine) ligand. <i>Dalton Transactions</i> , 2019, 48, 11565-11574.	1.6	11
51	On the border between localization and delocalization: tris(iminoxolene)titanium(iv). <i>Dalton Transactions</i> , 2019, 48, 1427-1435.	1.6	11
52	Dramatic Effect of Aggregation on Rates and Thermodynamics of Stereoisomerization of Magnesium Enolates. <i>Journal of the American Chemical Society</i> , 2009, 131, 6056-6057.	6.6	9
53	Mechanism and Selectivity of Methyl and Phenyl Migrations in Hypervalent Silylated Iminoquinones. <i>Journal of Organic Chemistry</i> , 2014, 79, 12047-12055.	1.7	8
54	Optically active bis(β^2 -diketonate) complexes of titanium. <i>Dalton Transactions</i> , 2010, 39, 10105.	1.6	7

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55	Amphiphilicity in Oxygen Atom Transfer Reactions of Oxobis(iminoxolene)osmium Complexes. <i>Inorganic Chemistry</i> , 2021, 60, 4004-4014.	1.9	7
56	Synthesis and Cleavage Reactions of Metal-Metal-Bonded [Mo ₂ (S ₂ CNR ₂) ₆](OTf) ₂ , a Source of the Tris(dithiocarbamato)molybdenum(IV) Fragment. <i>Inorganic Chemistry</i> , 2001, 40, 6676-6683.	1.9	6
57	High-valent osmium iminoxolene complexes. <i>Dalton Transactions</i> , 2020, 49, 8504-8515.	1.6	5
58	Synthesis, dynamics and redox properties of eight-coordinate zirconium catecholate complexes. <i>Dalton Transactions</i> , 2020, 49, 11648-11656.	1.6	4
59	Unsymmetrically Bridging Aryls of Iridium. <i>Organometallics</i> , 2003, 22, 4480-4489.	1.1	3
60	Mono- and Bis(iminoxolene)iridium Complexes: Synthesis and Covalency in π Bonding. <i>Inorganic Chemistry</i> , 2022, 61, 5547-5562.	1.9	3
61	Nonclassical oxygen atom transfer reactions of an eight-coordinate dioxomolybdenum(ν) complex. <i>Inorganic Chemistry Frontiers</i> , 2021, 8, 2865-2870.	3.0	2
62	Catalysis and the Dance of the Seven Vales. <i>Journal of Physical Chemistry Letters</i> , 2012, 3, 278-279.	2.1	1