Alan F Heyduk

List of Publications by Year
in descending order

36	2,277	236612	344852
papers	citations	25 h-index	36 g-index

36	36	36	1502
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Câ"C Bond-Forming Reductive Elimination from a Zirconium(IV) Redox-Active Ligand Complex. Journal of the American Chemical Society, 2006, 128, 8410-8411.	6.6	197
2	â€œOxidative Additionâ€•to a Zirconium(IV) Redox-Active Ligand Complex. Inorganic Chemistry, 2005, 44, 5559-5561.	1.9	159
3	Designing Catalysts for Nitrene Transfer Using Early Transition Metals and Redox-Active Ligands. Inorganic Chemistry, 2011, 50, 9849-9863.	1.9	152
4	Catalytic nitrene transfer by a zirconium(<scp>iv</scp>) redox-active ligand complex. Chemical Science, 2011, 2, 166-169.	3.7	149
5	Fourâ€Electron Oxidative Formation of Aryl Diazenes Using a Tantalum Redoxâ€Active Ligand Complex. Angewandte Chemie - International Edition, 2008, 47, 4715-4718.	7.2	148
6	Catalytic Reactivity of a Zirconium(IV) Redox-Active Ligand Complex with 1,2-Diphenylhydrazine. Journal of the American Chemical Society, 2008, 130, 2728-2729.	6.6	147
7	One- and Two-Electron Reactivity of a Tantalum(V) Complex with a Redox-Active Tris(amido) Ligand. Journal of the American Chemical Society, 2009, 131, 3307-3316.	6.6	121
8	Non-innocent ligands. Chemical Communications, 2015, 51, 1553-1554.	2.2	106
9	Group transfer reactions of d0 transition metal complexes: redox-active ligands provide a mechanism for expanded reactivity. Dalton Transactions, 2013, 42, 3751.	1.6	94
10	Ï€^{â€¢}â^'Ï€^{â€¢} Bonding Interactions Generated by Halogen Oxidation of Zirconium(IV) Redox-Active Ligand Complexes. Journal of the American Chemical Society, 2008, 130, 4364-4374.	6.6	86
11	Group IV Imino-Semiquinone Complexes Obtained by Oxidative Addition of Halogens. Inorganic Chemistry, 2008, 47, 10522-10532.	1.9	75
12	Four-Electron Photochemistry of Dirhodium Fluorophosphine Compounds. Journal of the American Chemical Society, 1999, 121, 5023-5032.	6.6	68
13	Tuning the Electronic and Steric Parameters of a Redox-Active Tris(amido) Ligand. Inorganic Chemistry, 2013, 52, 11244-11255.	1.9	68
14	A Redoxâ€Active Ligand as a Reservoir for Protons and Electrons: O₂ Reduction at Zirconium(IV). European Journal of Inorganic Chemistry, 2012, 2012, 467-470.	1.0	57
15	Near-IR absorbing donorâ€"acceptor ligand-to-ligand charge-transfer complexes of nickel(<scp>ii</scp>). Chemical Science, 2016, 7, 1807-1814.	3.7	57
16	Disulfide reductive elimination from an iron(iii) complex. Chemical Science, 2013, 4, 1906.	3.7	52
17	Group IV Coordination Chemistry of a Tetradentate Redoxâ€Active Ligand in Two Oxidation States. European Journal of Inorganic Chemistry, 2009, 2009, 735-743.	1.0	48
18	Donorâ€"Acceptor Ligand-to-Ligand Charge-Transfer Coordination Complexes of Nickel(II). Inorganic Chemistry, 2014, 53, 8825-8837.	1.9	47

#	Article	IF	Citations
19	Aluminum complexes of the redox-active [ONO] pincer ligand. Dalton Transactions, 2012, 41, 8144.	1.6	46
20	Reactivity of Diazoalkanes with Tantalum(V) Complexes of a Tridentate Amido-Bis(phenolate) Ligand. Organometallics, 2009, 28, 6629-6631.	1.1	45
21	Synthesis and Characterization of a Redox-Active Bis(thiophenolato)amide Ligand, [SNS]^{3â€“}, and the Homoleptic Tungsten Complexes, W[SNS]₂ and W[ONO]₂. Inorganic Chemistry, 2013, 52, 2110-2118.	1.9	44
22	Reactivity of Organometallic Tantalum Complexes Containing a Bis(phenoxy)amide (ONO)3â€“Ligand with Aryl Azides and 1,2-Diphenylhydrazine. Organometallics, 2011, 30, 4890-4898.	1.1	38
23	Metal effects on ligand non-innocence in Group 5 complexes of the redox-active [ONO] pincer ligand. Dalton Transactions, 2014, 43, 17991-18000.	1.6	32
24	Coordination Effects on Electron Distributions for Rhodium Complexes of the Redox-Active Bis(3,5-di-tert-butyl-2-phenolate)amide Ligand. Inorganic Chemistry, 2012, 51, 12606-12618.	1.9	30
25	Hydrogen-Atom Noninnocence of a Tridentate [SNS] Pincer Ligand. Inorganic Chemistry, 2018, 57, 9728-9737.	1.9	28
26	A Heterobimetallic Wâ€“Ni Complex Containing a Redox-Active W[SNS]₂ Metalloligand. Inorganic Chemistry, 2016, 55, 6794-6798.	1.9	27
27	Bimetallic ironâ€“iron and ironâ€“zinc complexes of the redox-active ONO pincer ligand. Chemical Science, 2016, 7, 1594-1599.	3.7	27
28	Azide Addition To Give a Tetra-azazirconacycle Complex. Inorganic Chemistry, 2005, 44, 468-470.	1.9	25
29	Steric and Electronic Consequences of Flexibility in a Tetradentate Redox-Active Ligand: Ti(IV) and Zr(IV) Complexes. Inorganic Chemistry, 2011, 50, 125-135.	1.9	21
30	Heterobimetallic and Heterotrimetallic Clusters Containing a Redoxâ€Active Metalloligand. European Journal of Inorganic Chemistry, 2017, 2017, 5571-5575.	1.0	18
31	Câ€”H Bond Activation at Pt(II): A Route to Selective Alkane Oxidation?. ACS Symposium Series, 2004, , 250-263.	0.5	15
32	Three oxidation states of the bis(3,5-di-tert-butyl-2-phenolato)azanido pincer ligand on chromium(III). Polyhedron, 2018, 143, 111-117.	1.0	14
33	Metal-Ion Influence on Ligand-Centered Hydrogen-Atom Transfer. Inorganic Chemistry, 2021, 60, 1579-1589.	1.9	12
34	Heterobimetallic complexes of palladium and platinum containing a redox-active W[SNS]₂ metalloligand. Dalton Transactions, 2017, 46, 5503-5507.	1.6	9
35	Synthesis of Catecholate Ligands with Phosphonate Anchoring Groups. Inorganic Chemistry, 2015, 54, 7571-7578.	1.9	8
36	Exploring Ligand-Centered Hydride and H-Atom Transfer. Inorganic Chemistry, 2021, 60, 5367-5375.	1.9	7