Andrew W Schaefer

List of Publications by Year
in descending order

16	593	759233 12	940533 16
papers	citations	h-index	g-index

16	16	16	985
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Ferric Heme Superoxide Reductive Transformations to Ferric Heme (Hydro)Peroxide Species: Spectroscopic Characterization and Thermodynamic Implications for Hâ€Atom Transfer (HAT). Angewandte Chemie - International Edition, 2021, 60, 5907-5912.	13.8	10
2	Ferric Heme Superoxide Reductive Transformations to Ferric Heme (Hydro)Peroxide Species: Spectroscopic Characterization and Thermodynamic Implications for Hâ€Atom Transfer (HAT). Angewandte Chemie, 2021, 133, 5972-5977.	2.0	1
3	The three-spin intermediate at the Oâ€“O cleavage and proton-pumping junction in hemeâ€“Cu oxidases. Science, 2021, 373, 1225-1229.	12.6	13
4	Heme-Fe^{III} Superoxide, Peroxide and Hydroperoxide Thermodynamic Relationships: Fe^{III}-O₂^{â€¢â€“} Complex H-Atom Abstraction Reactivity. Journal of the American Chemical Society, 2020, 142, 3104-3116.	13.7	40
5	Ligand Identity-Induced Generation of Enhanced Oxidative Hydrogen Atom Transfer Reactivity for a CuII2(O2â€¢â€“) Complex Driven by Formation of a CuII2(â^OOH) Compound with a Strong Oâ€“H Bond. Journal of the American Chemical Society, 2019, 141, 12682-12696.	13.7	28
6	Impact of Intramolecular Hydrogen Bonding on the Reactivity of Cupric Superoxide Complexes with Oâ^H and Câ^H Substrates. Angewandte Chemie, 2019, 131, 17736-17740.	2.0	2
7	Impact of Intramolecular Hydrogen Bonding on the Reactivity of Cupric Superoxide Complexes with Oâ^H and Câ^H Substrates. Angewandte Chemie - International Edition, 2019, 58, 17572-17576.	13.8	28
8	Hemeâ€“Cu Binucleating Ligand Supports Heme/O2and FeIIâ€“CuI/O2Reactivity Providing High- and Low-Spin FeIIIâ€“Peroxoâ€“CuIIComplexes. Inorganic Chemistry, 2019, 58, 15423-15432.	4.0	8
9	Influence of intramolecular secondary sphere hydrogen-bonding interactions on cytochrome c oxidase inspired low-spin hemeâ€“peroxoâ€“copper complexes. Chemical Science, 2019, 10, 2893-2905.	7.4	20
10	Geometric and Electronic Structure Contributions to Oâ€“O Cleavage and the Resultant Intermediate Generated in Heme-Copper Oxidases. Journal of the American Chemical Society, 2019, 141, 10068-10081.	13.7	29
11	Spin Interconversion of Heme-Peroxo-Copper Complexes Facilitated by Intramolecular Hydrogen-Bonding Interactions. Journal of the American Chemical Society, 2019, 141, 4936-4951.	13.7	13
12	Phenol-Induced Oâ€“O Bond Cleavage in a Low-Spin Hemeâ€“Peroxoâ€“Copper Complex: Implications for O₂ Reduction in Hemeâ€“Copper Oxidases. Journal of the American Chemical Society, 2017, 139, 7958-7973.	13.7	43
13	Critical Aspects of Hemeâ€“Peroxoâ€“Cu Complex Structure and Nature of Proton Source Dictate Metalâ€“O_{peroxo} Breakage versus Reductive Oâ€“O Cleavage Chemistry. Journal of the American Chemical Society, 2017, 139, 472-481.	13.7	38
14	A Six-Coordinate Peroxynitrite Low-Spin Iron(III) Porphyrinate Complexâ€”The Product of the Reaction of Nitrogen Monoxide (Â·NO_(g)) with a Ferric-Superoxide Species. Journal of the American Chemical Society, 2017, 139, 17421-17430.	13.7	40
15	A â€œNakedâ€•FeIII-(O22â€“)-CuII Species Allows for Structural and Spectroscopic Tuning of Low-Spin Heme-Peroxo-Cu Complexes. Journal of the American Chemical Society, 2015, 137, 1032-1035.	13.7	36
16	Enhanced Mobility-Lifetime Products in PbS Colloidal Quantum Dot Photovoltaics. ACS Nano, 2012, 6, 89-99.	14.6	244