Apparao Draksharapu

List of Publications by Citations

15 papers	231 citations	9 h-index	15 g-index
17 ext. papers	297 ext. citations	10.3 avg, IF	3.24 L-index

#	Paper	IF	Citations
15	Crystallographic Evidence for a Sterically Induced Ferryl Tilt in a Non-Heme Oxoiron(IV) Complex that Makes it a Better Oxidant. *Angewandte Chemie - International Edition*, **2018**, 57, 9387-9391	16.4	38
14	HO Oxidation by Fe-OOH Intermediates and Its Effect on Catalytic Efficiency. *ACS Catalysis*, **2018**, 8, 9665-9674	13.1	31
13	Spectroscopic and Reactivity Comparisons between Nonheme Oxoiron(IV) and Oxoiron(V) Species Bearing the Same Ancillary Ligand. *Journal of the American Chemical Society*, **2019**, 141, 15078-15091	16.4	29
12	Facile and Reversible Formation of Iron(III)-Oxo-Cerium(IV) Adducts from Nonheme Oxoiron(IV) Complexes and Cerium(III). *Angewandte Chemie - International Edition*, **2017**, 56, 9091-9095	16.4	24
11	A Non-Heme Iron Photocatalyst for Light-Driven Aerobic Oxidation of Methanol. *Angewandte Chemie - International Edition*, **2018**, 57, 3207-3211	16.4	21
10	Acid p Dependence in O-O Bond Heterolysis of a Nonheme Fe-OOH Intermediate To Form a Potent Fe?O Oxidant with Heme Compound I-Like Reactivity. *Journal of the American Chemical Society*, **2019**, 141, 16093-16107	16.4	17
9	Sc-Promoted O-O Bond Cleavage of a (1,2-Peroxo)diiron(III) Species Formed from an Iron(II) Precursor and O to Generate a Complex with an Fe(O) Core. *Journal of the American Chemical Society*, **2020**, 142, 4285-4297	16.4	16
8	Direct photochemical activation of non-heme Fe(iv)[double bond, length as m-dash]O complexes. *Chemical Communications*, **2017**, 53, 12357-12360	5.8	12
7	NMR Reveals That a Highly Reactive Nonheme Fe =O Complex Retains Its Six-Coordinate Geometry and S=1 State in Solution. *Chemistry - A European Journal*, **2019**, 25, 9608-9613	4.8	9
6	Crystallographic Evidence for a Sterically Induced Ferryl Tilt in a Non-Heme Oxoiron(IV) Complex that Makes it a Better Oxidant. *Angewandte Chemie*, **2018**, 130, 9531-9535	3.6	9
5	Facile and Reversible Formation of Iron(III)Oxo Cerium(IV) Adducts from Nonheme Oxoiron(IV) Complexes and Cerium(III). *Angewandte Chemie*, **2017**, 129, 9219-9223	3.6	8
4	On the Lewis Acidity of the Oxoiron(IV) Unit in a Tetramethylcyclam Complex. *Chemistry - A European Journal*, **2018**, 24, 5373-5378	4.8	6
3	A Non-Heme Iron Photocatalyst for Light-Driven Aerobic Oxidation of Methanol. *Angewandte Chemie*, **2018**, 130, 3261-3265	3.6	5
2	Facile Conversion of syn-[Fe (O)(TMC)] into the anti Isomer via Meunier's Oxo-Hydroxo Tautomerism Mechanism. *Angewandte Chemie - International Edition*, **2019**, 58, 1995-1999	16.4	4
1	Facile Conversion of syn-[FeIV(O)(TMC)]2+ into the anti Isomer via Meunier's OxoHydroxo Tautomerism Mechanism. *Angewandte Chemie*, **2019**, 131, 2017-2021	3.6	2