Apparao Draksharapu

List of Publications by Year
in descending order

15	350	932766 10	996533 15
papers	citations	h-index	g-index

17	17	17	464
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	H₂O₂ Oxidation by Fe^{III}â€“OOH Intermediates and Its Effect on Catalytic Efficiency. ACS Catalysis, 2018, 8, 9665-9674.	5.5	53
2	Crystallographic Evidence for a Sterically Induced Ferryl Tilt in a Nonâ€Heme Oxoiron(IV) Complex that Makes it a Better Oxidant. Angewandte Chemie - International Edition, 2018, 57, 9387-9391.	7.2	53
3	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.	6.6	48
4	Acid pK_a Dependence in Oâ€“O Bond Heterolysis of a Nonheme Fe^{III}â€“OOH Intermediate To Form a Potent Fe^Vâ•O Oxidant with Heme Compound I-Like Reactivity. Journal of the American Chemical Society, 2019, 141, 16093-16107.	6.6	35
5	A Nonâ€Heme Iron Photocatalyst for Lightâ€Driven Aerobic Oxidation of Methanol. Angewandte Chemie - International Edition, 2018, 57, 3207-3211.	7.2	34
6	Facile and Reversible Formation of Iron(III)â€“Oxoâ€“Cerium(IV) Adducts from Nonheme Oxoiron(IV) Complexes and Cerium(III). Angewandte Chemie - International Edition, 2017, 56, 9091-9095.	7.2	28
7	Sc³⁺-Promoted Oâ€“O Bond Cleavage of a (Î¼-1,2-Peroxo)diiron(III) Species Formed from an Iron(II) Precursor and O₂ to Generate a Complex with an Fe^{IV}₂(Î¼-O)₂ Core. Journal of the American Chemical Society, 2020, 142, 4285-4297.	6.6	22
8	Crystallographic Evidence for a Sterically Induced Ferryl Tilt in a Nonâ€Heme Oxoiron(IV) Complex that Makes it a Better Oxidant. Angewandte Chemie, 2018, 130, 9531-9535.	1.6	16
9	Direct photochemical activation of non-heme Fe(<scp>iv</scp>)î€O complexes. Chemical Communications, 2017, 53, 12357-12360.	2.2	14
10	On the Lewis Acidity of the Oxoiron(IV) Unit in a Tetramethylcyclam Complex. Chemistry - A European Journal, 2018, 24, 5373-5378.	1.7	11
11	NMR Reveals That a Highly Reactive Nonheme Fe^{IV}=O Complex Retains Its Sixâ€Coordinate Geometry and S=1 State in Solution. Chemistry - A European Journal, 2019, 25, 9608-9613.	1.7	10
12	Facile Conversion of syn â€[Fe IV (O)(TMC)] 2+ into the anti Isomer via Meunier's Oxoâ€“Hydroxo Tautomerism Mechanism. Angewandte Chemie - International Edition, 2019, 58, 1995-1999.	7.2	9
13	Facile and Reversible Formation of Iron(III)â€“Oxoâ€“Cerium(IV) Adducts from Nonheme Oxoiron(IV) Complexes and Cerium(III). Angewandte Chemie, 2017, 129, 9219-9223.	1.6	8
14	A Nonâ€Heme Iron Photocatalyst for Lightâ€Driven Aerobic Oxidation of Methanol. Angewandte Chemie, 2018, 130, 3261-3265.	1.6	5
15	Facile Conversion of syn â€[Fe IV (O)(TMC)] 2+ into the anti Isomer via Meunier's Oxoâ€“Hydroxo Tautomerism Mechanism. Angewandte Chemie, 2019, 131, 2017-2021.	1.6	4