

Prasenjit Barman

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Long-Range Electron Transfer Triggers Mechanistic Differences between Iron(IV)-Oxo and Iron(IV)-Imido Oxidants. <i>Journal of the American Chemical Society</i> , 2014, 136, 17102-17115.	13.7	106
2	Comparison of the Reactivity of Nonheme Iron(IV)-Oxo versus Iron(IV)-Imido Complexes: Which is the Better Oxidant?. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 12288-12292.	13.8	88
3	Deformylation Reaction by a Nonheme Manganese(III)-Peroxo Complex via Initial Hydrogen-Atom Abstraction. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 11091-11095.	13.8	73
4	Keto-Enol Tautomerization Triggers an Electrophilic Aldehyde Deformylation Reaction by a Nonheme Manganese(III)-Peroxo Complex. <i>Journal of the American Chemical Society</i> , 2017, 139, 18328-18338.	13.7	66
5	Influence of Ligand Architecture on Oxidation Reactions by High-Valent Nonheme Manganese Oxo Complexes Using Water as a Source of Oxygen. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 2095-2099.	13.8	59
6	Mechanistic insight into halide oxidation by non-heme iron complexes. Haloperoxidase versus halogenase activity. <i>Chemical Communications</i> , 2013, 49, 10926.	4.1	45
7	Interplay Between Steric and Electronic Effects: A Joint Spectroscopy and Computational Study of Nonheme Iron(IV)-Oxo Complexes. <i>Chemistry - A European Journal</i> , 2019, 25, 5086-5098.	3.3	44
8	Hydrogen by Deuterium Substitution in an Aldehyde Tunes the Regioselectivity by a Nonheme Manganese(III)-Peroxo Complex. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 10639-10643.	13.8	37
9	Deformylation Reaction by a Nonheme Manganese(III)-Peroxo Complex via Initial Hydrogen-Atom Abstraction. <i>Angewandte Chemie</i> , 2016, 128, 11257-11261.	2.0	23
10	Influence of Ligand Architecture in Tuning Reaction Bifurcation Pathways for Chlorite Oxidation by Non-Heme Iron Complexes. <i>Inorganic Chemistry</i> , 2016, 55, 10170-10181.	4.0	17
11	Hydrogen by Deuterium Substitution in an Aldehyde Tunes the Regioselectivity by a Nonheme Manganese(III)-Peroxo Complex. <i>Angewandte Chemie</i> , 2019, 131, 10749-10753.	2.0	15
12	Influence of induced steric on the switchover reactivity of mononuclear Cu(II)-alkylperoxo complexes. <i>Inorganica Chimica Acta</i> , 2019, 485, 80-85.	2.4	7
13	Oxidative dehalogenation of halophenols by high-valent nonheme iron(IV)-oxo intermediates. <i>Faraday Discussions</i> , 2022, 234, 58-69.	3.2	5