

Gourab Mukherjee

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5817736/publications.pdf>

Version: 2024-02-01

13
papers

486
citations

933447

10
h-index

1125743

13
g-index

14
all docs

14
docs citations

14
times ranked

384
citing authors

#	ARTICLE	IF	CITATIONS
1	Oxidative dehalogenation of halophenols by high-valent nonheme iron(IV)-oxo intermediates. <i>Faraday Discussions</i> , 2022, 234, 58-69.	3.2	5
2	Local Charge Distributions, Electric Dipole Moments, and Local Electric Fields Influence Reactivity Patterns and Guide Regioselectivities in $\text{Fe}^{\text{IV}}\text{-Ketoglutarate-Dependent Non-heme Iron Dioxygenases}$. <i>Accounts of Chemical Research</i> , 2022, 55, 65-74.	15.6	48
3	A comprehensive insight into aldehyde deformylation: mechanistic implications from biology and chemistry. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 1879-1899.	2.8	25
4	Inspiration from Nature: Influence of Engineered Ligand Scaffolds and Auxiliary Factors on the Reactivity of Biomimetic Oxidants. <i>ACS Catalysis</i> , 2021, 11, 9761-9797.	11.2	54
5	Negative catalysis / non-Bell-Evans-Polanyi reactivity by metalloenzymes: Examples from mononuclear heme and non-heme iron oxygenases. <i>Coordination Chemistry Reviews</i> , 2021, 439, 213914.	18.8	41
6	Eccentricities in Spectroscopy and Reactivity of Non-Heme Metal Intermediates Contained in Bispidine Scaffolds. <i>Israel Journal of Chemistry</i> , 2020, 60, 1032-1048.	2.3	10
7	Sluggish reactivity by a nonheme iron(IV)-tosylimido complex as compared to its oxo analogue. <i>Dalton Transactions</i> , 2020, 49, 5921-5931.	3.3	17
8	Pitfalls in the 3, 5-dinitrosalicylic acid (DNS) assay for the reducing sugars: Interference of furfural and 5-hydroxymethylfurfural. <i>International Journal of Biological Macromolecules</i> , 2020, 156, 180-185.	7.5	94
9	Mechanism of Oxidative Activation of Fluorinated Aromatic Compounds by $\text{N}^2\text{-Bridged Diiron-Phthalocyanine}$: What Determines the Reactivity?. <i>Chemistry - A European Journal</i> , 2019, 25, 14320-14331.	3.3	43
10	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
11	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
12	Dramatic rate-enhancement of oxygen atom transfer by an iron(IV)-oxo species by equatorial ligand field perturbations. <i>Dalton Transactions</i> , 2018, 47, 14945-14957.	3.3	32
13	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