

M Qadri E Mubarak

List of Publications by Year in descending order

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papers

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#	ARTICLE	IF	CITATIONS
1	Catalytic Mechanism of Aromatic Nitration by Cytochrome P450 TxtE: Involvement of a Ferric-Peroxynitrite Intermediate. <i>Journal of the American Chemical Society</i> , 2020, 142, 15764-15779.	13.7	55
2	Selective Formation of an Fe ^{IV} O or an Fe ^{III} OOH Intermediate From Iron(II) and H ₂ O ₂ : Controlled Heterolytic versus Homolytic Oxygen-Oxygen Bond Cleavage by the Second Coordination Sphere. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 854-858.	13.8	54
3	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
4	Selective Formation of an Fe ^{IV} O or an Fe ^{III} OOH Intermediate From Iron(II) and H ₂ O ₂ : Controlled Heterolytic versus Homolytic Oxygen-Oxygen Bond Cleavage by the Second Coordination Sphere. <i>Angewandte Chemie</i> , 2019, 131, 864-868.	2.0	25
5	Hydrogen Atom Abstraction by High-Valent Fe(OH) versus Mn(OH) Porphyrinoid Complexes: Mechanistic Insights from Experimental and Computational Studies. <i>Inorganic Chemistry</i> , 2019, 58, 16761-16770.	4.0	24
6	Hydroxyl Transfer to Carbon Radicals by Mn(OH) vs Fe(OH) Corrole Complexes. <i>Inorganic Chemistry</i> , 2020, 59, 16053-16064.	4.0	24
7	How Do Vanadium Chloroperoxidases Generate Hypochlorite from Hydrogen Peroxide and Chloride? A Computational Study. <i>ACS Catalysis</i> , 2020, 10, 14067-14079.	11.2	19
8	Flavonol biosynthesis by nonheme iron dioxygenases: A computational study into the structure and mechanism. <i>Journal of Inorganic Biochemistry</i> , 2019, 198, 110728.	3.5	17
9	A Simple and Effective Isocratic HPLC Method for Fast Identification and Quantification of Surfactin. <i>Sains Malaysiana</i> , 2015, 44, 115-120.	0.5	14
10	Reactivity patterns of vanadium(IV)-oxo complexes with olefins in the presence of peroxides: a computational study. <i>Dalton Transactions</i> , 2019, 48, 16899-16910.	3.3	12
11	Kinetics of Surfactin Production by <i>Bacillus subtilis</i> in a 5 L Stirred-tank Bioreactor. <i>Sains Malaysiana</i> , 2017, 46, 1541-1548.	0.5	8
12	Second-Coordination Sphere Effect on the Reactivity of Vanadium-Peroxo Complexes: A Computational Study. <i>Inorganic Chemistry</i> , 2019, 58, 15741-15750.	4.0	7
13	Properties and reactivity of μ_4 -nitrido-bridged dimetal porphyrinoid complexes: how does ruthenium compare to iron?. <i>Journal of Biological Inorganic Chemistry</i> , 2019, 24, 1127-1134.	2.6	5
14	Computational Study on the Catalytic Reaction Mechanism of Heme Haloperoxidase Enzymes. <i>Israel Journal of Chemistry</i> , 2020, 60, 963-972.	2.3	5
15	How Does Replacement of the Axial Histidine Ligand in Cytochrome c Peroxidase by N ¹ -Methyl Histidine Affect Its Properties and Functions? A Computational Study. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7133.	4.1	5