

Pradip Kumar Das

List of Publications by Year in descending order

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12
papers

432
citations

840776

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#	ARTICLE	IF	CITATIONS
1	Concerted Protonâ€“Electron Transfer in Electrocatalytic O ₂ Reduction by Iron Porphyrin Complexes: Axial Ligands Tuning H/D Isotope Effect. <i>Inorganic Chemistry</i> , 2015, 54, 2383-2392.	4.0	62
2	O ₂ Reduction Reaction by Biologically Relevant Anionic Ligand Bound Iron Porphyrin Complexes. <i>Inorganic Chemistry</i> , 2013, 52, 12963-12971.	4.0	60
3	Electrocatalytic O ₂ Reduction by [Fe-Fe]-Hydrogenase Active Site Models. <i>Journal of the American Chemical Society</i> , 2014, 136, 8847-8850.	13.7	51
4	Electrocatalytic O ₂ Reduction Reaction by Synthetic Analogues of Cytochrome P450 and Myoglobin: In-Situ Resonance Raman and Dynamic Electrochemistry Investigations. <i>Inorganic Chemistry</i> , 2013, 52, 9897-9907.	4.0	50
5	EPR, Resonance Raman, and DFT Calculations on Thiolate- and Imidazole-Bound Iron(III) Porphyrin Complexes: Role of the Axial Ligand in Tuning the Electronic Structure. <i>Inorganic Chemistry</i> , 2012, 51, 10704-10714.	4.0	47
6	Tuning the thermodynamic onset potential of electrocatalytic O ₂ reduction reaction by synthetic ironâ€“porphyrin complexes. <i>Chemical Communications</i> , 2015, 51, 10010-10013.	4.1	40
7	Effect of axial ligands on electronic structure and O ₂ reduction by iron porphyrin complexes: Towards a quantitative understanding of the "push effect". <i>Journal of Porphyrins and Phthalocyanines</i> , 2015, 19, 92-108.	0.8	35
8	Valence tautomerism in synthetic models of cytochrome P450. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 6611-6616.	7.1	33
9	Spectroscopic characterization of a phenolate bound Fe ^{II} â€“O ₂ adduct: gauging the relative "push" effect of a phenolate axial ligand. <i>Chemical Communications</i> , 2014, 50, 5218-5220.	4.1	21
10	Resonance Raman, Electron Paramagnetic Resonance, and Density Functional Theory Calculations of a Phenolate-Bound Iron Porphyrin Complex: Electrostatic versus Covalent Contribution to Bonding. <i>Inorganic Chemistry</i> , 2014, 53, 7361-7370.	4.0	13
11	Resonance Raman Spectroscopy and Density Functional Theory Calculations on Ferrous Porphyrin Dioxygen Adducts with Different Axial Ligands: Correlation of Ground State Wave Function and Geometric Parameters with Experimental Vibrational Frequencies. <i>Inorganic Chemistry</i> , 2019, 58, 10704-10715.	4.0	13
12	Investigation of Bridgehead Effects on Reduction Potential in Alkyl and Aryl Azadithiolateâ€“Bridged (â€“SCH ₂ XCH ₂ S) [Fe(CO) ₃] ₂ Synthetic Analogues of [FeFe]â€“H ₂ ase Active Site. <i>European Journal of Inorganic Chemistry</i> , 2018, 2018, 3633-3643.	2.0	7