

Xi Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

8
papers

126
citations

1307594
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times ranked

112
citing authors

#	ARTICLE	IF	CITATIONS
1	Conversion of Electron Configuration of Iron Ion through Core Contraction of Porphyrin: Implications for Heme Distortion. <i>Organic Letters</i> , 2013, 15, 606-609.	4.6	36
2	Fine-Tuning of Electronic Structure of Cobalt(II) Ion in Nonplanar Porphyrins and Tracking of a Cross-Hybrid Stage: Implications for the Distortion of Natural Tetrapyrrole Macrocycles. <i>Journal of Physical Chemistry B</i> , 2015, 119, 14102-14110.	2.6	22
3	Fixation of Zinc(II) Ion to Dioxygen in a Highly Deformed Porphyrin: Implications for the Oxygen Carrier Mechanism of Distorted Heme. <i>Organic Letters</i> , 2015, 17, 4078-4081.	4.6	16
4	Geometry and Temperature Dependence of <i>meso</i> -Aryl Rotation in Strained Metalloporphyrins: Adjustable Turnstile Molecules. <i>Inorganic Chemistry</i> , 2013, 52, 10258-10263.	4.0	13
5	Formation of π -Cation Radicals in Highly Deformed Copper(II) Porphyrins: Implications for the Distortion of Natural Tetrapyrrole Macrocycles. <i>European Journal of Inorganic Chemistry</i> , 2016, 2016, 3585-3591.	2.0	12
6	Fractional transfer of a free unpaired electron to overcome energy barriers in the formation of Fe^{4+} from Fe^{3+} during the core contraction of macrocycles: implication for heme distortion. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 2939-2946.	2.8	11
7	Origin of π -Interaction in Cobalt(II) Porphyrins under Synergistic Effects of Core Contraction and Axial Ligation: Implications for a Ligand Effect of Natural Distorted Tetrapyrrole. <i>Chinese Journal of Chemistry</i> , 2016, 34, 910-918.	4.9	10
8	Optimal Size Matching and Minimal Distortion Energy: Implications for Natural Selection by the Macrocycle of the Iron Species in Heme. <i>European Journal of Inorganic Chemistry</i> , 2016, 2016, 5222-5229.	2.0	6