

Zaichun Zhou

List of Publications by Year in descending order

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papers

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840776

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citing authors

#	ARTICLE	IF	CITATIONS
1	Opposing Influences of Ruffling and Doming Deformation on the 4â€N Cavity Size of Porphyrin Macrocycles: The Role of Heme Deformations Revealed. <i>Chemistry - A European Journal</i> , 2012, 18, 7675-7679.	3.3	42
2	Hybrid Orbital Deformation (HOD) Effect and Spectral Red-Shift Property of Nonplanar porphyrin. <i>Organic Letters</i> , 2010, 12, 1780-1783.	4.6	40
3	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
4	Bis(zinc porphyrin) Bridged by Benzo Orthocarbonates as a Conformational Switch under Regulation of DABCO and a Cu ⁺ Ion. <i>Organic Letters</i> , 2009, 11, 1781-1784.	4.6	28
5	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
6	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
7	Horizontal and Vertical Push Effects in Saddled Zinc Porphyrin Complexes: Implications for Heme Distortion. <i>Inorganic Chemistry</i> , 2019, 58, 2627-2636.	4.0	14
8	Direct Synthesis of anti-1,3-Diols through Nonclassical Reaction of Aryl Grignard Reagents with Isopropenyl Acetate. <i>Organic Letters</i> , 2011, 13, 180-183.	4.6	13
9	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
10	Formation of $\dot{\text{C}}\text{ation Radicals in Highly Deformed Copper(II) Porphyrins: Implications for the Distortion of Natural Tetrapyrrole Macrocycles. European Journal of Inorganic Chemistry, 2016, 2016, 3585-3591.$	2.0	12
11	TMPyP Inhibits Amyloid- β^2 Aggregation and Alleviates Amyloid-Induced Cytotoxicity. <i>ACS Omega</i> , 2017, 2, 4188-4195.	3.5	12
12	Electron Transfer and Geometric Conversion of Co ^{NO} Moiety in Saddled Porphyrins: Implications for Trigger Role of Tetrapyrrole Distortion. <i>Inorganic Chemistry</i> , 2018, 57, 277-287.	4.0	12
13	Geometric deconstruction of core and electron activation of a $\dot{\text{E}}$ -system in a series of deformed porphyrins: mimics of heme. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 7725-7736.	2.8	12
14	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
15	Origin of $\text{d}\pi\text{-}\pi$ 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
16	Selective Excited-State Dynamics in a Unique Set of Rationally Designed Ni Porphyrins. <i>Journal of Physical Chemistry C</i> , 2019, 123, 17994-18000.	3.1	8
17	Enhanced Mimetic Enzyme Activity of Phosphorylated Porphyrin Nanocomposite Induced by Localized Surface Plasmon Resonance for Colorimetric Assay. <i>Analytical Sciences</i> , 2019, 35, 691-699.	1.6	8
18	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

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19	dâ€Orbital Reconstructions Forced by Double Bowâ€Shaped Deformations and Second Coordination Sphere Effects of Cu(II) Heme Analogs in HER**. Chemistry - A European Journal, 2022, 28, e202103892.	3.3	4
20	De Novo Development of a Universal Biosensing Platform by Rapid Direct Native Protein Modification. Analytical Chemistry, 2021, 93, 5291-5300.	6.5	3
21	The cage effect on assembly of cyclic-bis-(zinc porphyrin) with 5,15-dipyridylporphyrin. Science in China Series B: Chemistry, 2009, 52, 1353-1361.	0.8	1