

# Xi Zhang

## List of Publications by Year in descending order

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8  
papers

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1307594  
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times ranked

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