

# Ruixi Fan

## List of Publications by Year in descending order

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17  
papers

571  
citations

758635

12  
h-index

887659

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g-index

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18  
docs citations

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Stepwise nitrosylation of the nonheme iron site in an engineered azurin and a molecular basis for nitric oxide signaling mediated by nonheme iron proteins. <i>Chemical Science</i> , 2021, 12, 6569-6579.	3.7	2
2	Effects of Noncovalent Interactions on High-Spin Fe(IV)=Oxo Complexes. <i>Journal of the American Chemical Society</i> , 2020, 142, 11804-11817.	6.6	53
3	Sc <sup>3+</sup> -Promoted O-O Bond Cleavage of a (1/4-1,2-Peroxo)diiron(III) Species Formed from an Iron(II) Precursor and O <sub>2</sub> to Generate a Complex with an Fe <sup>IV</sup> (O) <sub>2</sub> Core. <i>Journal of the American Chemical Society</i> , 2020, 142, 4285-4297.	6.6	22
4	Spectroscopic Description of the E <sub>1</sub> State of Mo Nitrogenase Based on Mo and Fe X-ray Absorption and Mössbauer Studies. <i>Inorganic Chemistry</i> , 2019, 58, 12365-12376.	1.9	38
5	Spectroscopic and Reactivity Comparisons between Nonheme Oxoiron(IV) and Oxoiron(V) Species Bearing the Same Ancillary Ligand. <i>Journal of the American Chemical Society</i> , 2019, 141, 15078-15091.	6.6	48
6	Structural implications of the paramagnetically shifted NMR signals from pyridine H atoms on synthetic nonheme FeIV=O complexes. <i>Journal of Biological Inorganic Chemistry</i> , 2019, 24, 533-545.	1.1	8
7	NMR Reveals That a Highly Reactive Nonheme Fe <sup>IV</sup> =O Complex Retains Its Six-coordinate Geometry and <i>S</i> =1 State in Solution. <i>Chemistry - A European Journal</i> , 2019, 25, 9608-9613.	1.7	10
8	Oxidative Decarboxylase UndA Utilizes a Dinuclear Iron Cofactor. <i>Journal of the American Chemical Society</i> , 2019, 141, 8684-8688.	6.6	45
9	Repurposing Nonheme Iron Hydroxylases To Enable Catalytic Nitrile Installation through an Azido Group Assistance. <i>Journal of the American Chemical Society</i> , 2019, 141, 3419-3423.	6.6	13
10	Spectroscopic and DFT Characterization of a Highly Reactive Nonheme Fe <sup>V</sup> =Oxo Intermediate. <i>Journal of the American Chemical Society</i> , 2018, 140, 3916-3928.	6.6	86
11	Crystallographic Evidence for a Sterically Induced Ferryl Tilt in a Non-Heme Oxoiron(IV) Complex that Makes it a Better Oxidant. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 9387-9391.	7.2	53
12	Crystallographic Evidence for a Sterically Induced Ferryl Tilt in a Non-Heme Oxoiron(IV) Complex that Makes it a Better Oxidant. <i>Angewandte Chemie</i> , 2018, 130, 9531-9535.	1.6	16
13	The Two Faces of Tetramethylcyclam in Iron Chemistry: Distinct Fe=O Complexes Derived from [Fe <sup>IV</sup> (O) <sub>2</sub> (anti-syn)(TMC)] <sup>2+</sup> Isomers. <i>Inorganic Chemistry</i> , 2017, 56, 518-527.	1.9	14
14	CmlI N-Oxygenase Catalyzes the Final Three Steps in Chloramphenicol Biosynthesis without Dissociation of Intermediates. <i>Biochemistry</i> , 2017, 56, 4940-4950.	1.2	21
15	Characterization of the Fleeting Hydroxoiron(III) Complex of the Pentadentate TMC-py Ligand. <i>Inorganic Chemistry</i> , 2017, 56, 11129-11140.	1.9	25
16	Mechanism for Six-Electron Aryl-N-Oxygenation by the Non-Heme Diiron Enzyme CmlI. <i>Journal of the American Chemical Society</i> , 2016, 138, 7411-7421.	6.6	37
17	Modeling Non-Heme Iron Halogenases: High-Spin Oxoiron(IV)=Halide Complexes That Halogenate C-H Bonds. <i>Journal of the American Chemical Society</i> , 2016, 138, 2484-2487.	6.6	80