

Giorgio Olivo

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

31
papers

792
citations

17
h-index

28
g-index

36
ext. papers

997
ext. citations

7.8
avg, IF

4.78
L-index

#	Paper	IF	Citations
31	Oxidation of alkane and alkene moieties with biologically inspired nonheme iron catalysts and hydrogen peroxide: from free radicals to stereoselective transformations. <i>Journal of Biological Inorganic Chemistry</i> , 2017 , 22, 425-452	3.7	119
30	Non-Heme Imine-Based Iron Complexes as Catalysts for Oxidative Processes. <i>Advanced Synthesis and Catalysis</i> , 2016 , 358, 843-863	5.6	82
29	Biologically Inspired C-H and C=C Oxidations with Hydrogen Peroxide Catalyzed by Iron Coordination Complexes. <i>Chemistry - an Asian Journal</i> , 2016 , 11, 3148-3158	4.5	67
28	Supramolecular Recognition Allows Remote, Site-Selective C-H Oxidation of Methylenic Sites in Linear Amines. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 16347-16351	16.4	57
27	Rational Design of Bioinspired Catalysts for Selective Oxidations. <i>ACS Catalysis</i> , 2020 , 10, 8611-8631	13.1	51
26	Controlling Selectivity in Aliphatic C-H Oxidation through Supramolecular Recognition. <i>Chemistry - A European Journal</i> , 2018 , 24, 5042-5054	4.8	45
25	New horizons for catalysis disclosed by supramolecular chemistry. <i>Chemical Society Reviews</i> , 2021 , 50, 7681-7724	58.5	37
24	Enantioselective C-H Lactonization of Unactivated Methylenes Directed by Carboxylic Acids. <i>Journal of the American Chemical Society</i> , 2020 , 142, 1584-1593	16.4	34
23	Direct hydroxylation of benzene and aromatics with H ₂ O ₂ catalyzed by a self-assembled iron complex: evidence for a metal-based mechanism. <i>Catalysis Science and Technology</i> , 2017 , 7, 5677-5686	5.5	29
22	C-H Bond Oxidation Catalyzed by an Imine-Based Iron Complex: A Mechanistic Insight. <i>Inorganic Chemistry</i> , 2015 , 54, 10141-52	5.1	29
21	Enzyme-like substrate-selectivity in C-H oxidation enabled by recognition. <i>Chemical Communications</i> , 2019 , 55, 917-920	5.8	27
20	Substituent effects on the catalytic activity of bipyrrrolidine-based iron complexes. <i>Journal of Organic Chemistry</i> , 2013 , 78, 11508-12	4.2	25
19	Hydrocarbon oxidation catalyzed by a cheap nonheme imine-based iron(II) complex. <i>Catalysis Science and Technology</i> , 2014 , 4, 2900-2903	5.5	24
18	Alcohol oxidation with HO catalyzed by a cheap and promptly available imine based iron complex. <i>Organic and Biomolecular Chemistry</i> , 2016 , 14, 10630-10635	3.9	22
17	Coupled X-ray Absorption/UV-vis Monitoring of Fast Oxidation Reactions Involving a Nonheme Iron-Oxo Complex. <i>Journal of the American Chemical Society</i> , 2019 , 141, 2299-2304	16.4	20
16	Supramolecular Recognition Allows Remote, Site-Selective C-H Oxidation of Methylenic Sites in Linear Amines. <i>Angewandte Chemie</i> , 2017 , 129, 16565-16569	3.6	18
15	Oxidation of Aryl Diphenylmethyl Sulfides Promoted by a Nonheme Iron(IV)-Oxo Complex: Evidence for an Electron Transfer-Oxygen Transfer Mechanism. <i>Journal of Organic Chemistry</i> , 2016 , 81, 2513-20	4.2	18

14	Predictable Selectivity in Remote C-H Oxidation of Steroids: Analysis of Substrate Binding Mode. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 12703-12708	16.4	16
13	Formation of Imidazo[1,5-a]pyridine Derivatives Due to the Action of Fe on Dynamic Libraries of Imines. <i>Journal of Organic Chemistry</i> , 2017 , 82, 3820-3825	4.2	15
12	Isotope effect profiles in the N-demethylation of N,N-dimethylanilines: a key to determine the pK(a) of nonheme Fe(III)-OH complexes. <i>Chemical Communications</i> , 2015 , 51, 5032-5	5.8	14
11	Electron Transfer Mechanism in the Oxidation of Aryl 1-Methyl-1-phenylethyl Sulfides Promoted by Nonheme Iron(IV)-Oxo Complexes: The Rate of the Oxygen Rebound Process. <i>Journal of Organic Chemistry</i> , 2016 , 81, 12382-12387	4.2	9
10	Following a Chemical Reaction on the Millisecond Time Scale by Simultaneous X-ray and UV/Vis Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , 2017 , 8, 2958-2963	6.4	8
9	Oxidative functionalization of aliphatic and aromatic amino acid derivatives with HO catalyzed by a nonheme imine based iron complex.. <i>RSC Advances</i> , 2018 , 8, 19144-19151	3.7	7
8	Insights into the Structure of Reaction Intermediates Through Coupled X-ray Absorption/UV-Vis Spectroscopy. <i>Springer Proceedings in Physics</i> , 2021 , 141-154	0.2	4
7	Role of electron transfer processes in the oxidation of aryl sulfides catalyzed by nonheme iron complexes. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2017 , 192, 241-244	1	3
6	Easy Synthesis of a Self-Assembled Imine-Based Iron(II) Complex Endowed with Crown-Ether Receptors. <i>European Journal of Organic Chemistry</i> , 2020 , 2020, 3390-3397	3.2	3
5	Insight into the chemoselective aromatic vs. side-chain hydroxylation of alkylaromatics with H ₂ O ₂ catalyzed by a non-heme imine-based iron complex. <i>Catalysis Science and Technology</i> , 2021 , 11, 171-178	5.5	3
4	Predictable Selectivity in Remote C-H Oxidation of Steroids: Analysis of Substrate Binding Mode. <i>Angewandte Chemie</i> , 2020 , 132, 12803-12808	3.6	1
3	Increasing the steric hindrance around the catalytic core of a self-assembled imine-based non-heme iron catalyst for C-H oxidation.. <i>RSC Advances</i> , 2020 , 11, 537-542	3.7	1
2	Imine-based Iron and Manganese Complexes as Catalysts for Alkane Functionalization 2018 , 231-249		1
1	Change of Selectivity in C-H Functionalization Promoted by Nonheme Iron(IV)-oxo Complexes by the Effect of the -hydroxyphthalimide HAT Mediator. <i>ACS Omega</i> , 2021 , 6, 26428-26438	3.9	1