Giorgio Olivo

List of Publications by Year in Descending Order

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	Insight into the chemoselective aromatic vs. side-chain hydroxylation of alkylaromatics with H2O2 catalyzed by a non-heme imine-based iron complex. *Catalysis Science and Technology*, **2021**, 11, 171-178	5.5	3
30	New horizons for catalysis disclosed by supramolecular chemistry. *Chemical Society Reviews*, **2021**, 50, 7681-7724	58.5	37
29	Change of Selectivity in C-H Functionalization Promoted by Nonheme Iron(IV)-oxo Complexes by the Effect of the -hydroxyphthalimide HAT Mediator. *ACS Omega*, **2021**, 6, 26428-26438	3.9	1
28	Insights into the Structure of Reaction Intermediates Through Coupled X-ray Absorption/UV-Vis Spectroscopy. *Springer Proceedings in Physics*, **2021**, 141-154	0.2	4
27	Easy Synthesis of a Self-Assembled Imine-Based Iron(II) Complex Endowed with Crown-Ether Receptors. *European Journal of Organic Chemistry*, **2020**, 2020, 3390-3397	3.2	3
26	Predictable Selectivity in Remote C□H Oxidation of Steroids: Analysis of Substrate Binding Mode. *Angewandte Chemie*, **2020**, 132, 12803-12808	3.6	1
25	Rational Design of Bioinspired Catalysts for Selective Oxidations. *ACS Catalysis*, **2020**, 10, 8611-8631	13.1	51
24	Predictable Selectivity in Remote C-H Oxidation of Steroids: Analysis of Substrate Binding Mode. *Angewandte Chemie - International Edition*, **2020**, 59, 12703-12708	16.4	16
23	Enantioselective C-H Lactonization of Unactivated Methylenes Directed by Carboxylic Acids. *Journal of the American Chemical Society*, **2020**, 142, 1584-1593	16.4	34
22	Increasing the steric hindrance around the catalytic core of a self-assembled imine-based non-heme iron catalyst for C-H oxidation.. *RSC Advances*, **2020**, 11, 537-542	3.7	1
21	Enzyme-like substrate-selectivity in C-H oxidation enabled by recognition. *Chemical Communications*, **2019**, 55, 917-920	5.8	27
20	Coupled X-ray Absorption/UV-vis Monitoring of Fast Oxidation Reactions Involving a Nonheme Iron-Oxo Complex. *Journal of the American Chemical Society*, **2019**, 141, 2299-2304	16.4	20
19	Controlling Selectivity in Aliphatic C-H Oxidation through Supramolecular Recognition. *Chemistry - A European Journal*, **2018**, 24, 5042-5054	4.8	45
18	Imine-based Iron and Manganese Complexes as Catalysts for Alkane Functionalization **2018**, 231-249		1
17	Oxidative functionalization of aliphatic and aromatic amino acid derivatives with HO catalyzed by a nonheme imine based iron complex.. *RSC Advances*, **2018**, 8, 19144-19151	3.7	7
16	Oxidation of alkane and alkene moieties with biologically inspired nonheme iron catalysts and hydrogen peroxide: from free radicals to stereoselective transformations. *Journal of Biological Inorganic Chemistry*, **2017**, 22, 425-452	3.7	119
15	Following a Chemical Reaction on the Millisecond Time Scale by Simultaneous X-ray and UV/Vis Spectroscopy. *Journal of Physical Chemistry Letters*, **2017**, 8, 2958-2963	6.4	8

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14	Role of electron transfer processes in the oxidation of aryl sulfides catalyzed by nonheme iron complexes. *Phosphorus, Sulfur and Silicon and the Related Elements*, **2017**, 192, 241-244	1	3
13	Formation of Imidazo[1,5-a]pyridine Derivatives Due to the Action of Fe on Dynamic Libraries of Imines. *Journal of Organic Chemistry*, **2017**, 82, 3820-3825	4.2	15
12	Direct hydroxylation of benzene and aromatics with H2O2 catalyzed by a self-assembled iron complex: evidence for a metal-based mechanism. *Catalysis Science and Technology*, **2017**, 7, 5677-5686	5.5	29
11	Supramolecular Recognition Allows Remote, Site-Selective C-H Oxidation of Methylenic Sites in Linear Amines. *Angewandte Chemie - International Edition*, **2017**, 56, 16347-16351	16.4	57
10	Supramolecular Recognition Allows Remote, Site-Selective C□H Oxidation of Methylenic Sites in Linear Amines. *Angewandte Chemie*, **2017**, 129, 16565-16569	3.6	18
9	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. *Journal of Organic Chemistry*, **2016**, 81, 12382-12387	4.2	9
8	Alcohol oxidation with HO catalyzed by a cheap and promptly available imine based iron complex. *Organic and Biomolecular Chemistry*, **2016**, 14, 10630-10635	3.9	22
7	Oxidation of Aryl Diphenylmethyl Sulfides Promoted by a Nonheme Iron(IV)-Oxo Complex: Evidence for an Electron Transfer-Oxygen Transfer Mechanism. *Journal of Organic Chemistry*, **2016**, 81, 2513-20	4.2	18
6	Non-Heme Imine-Based Iron Complexes as Catalysts for Oxidative Processes. *Advanced Synthesis and Catalysis*, **2016**, 358, 843-863	5.6	82
5	Biologically Inspired C-H and C=C Oxidations with Hydrogen Peroxide Catalyzed by Iron Coordination Complexes. *Chemistry - an Asian Journal*, **2016**, 11, 3148-3158	4.5	67
4	C-H Bond Oxidation Catalyzed by an Imine-Based Iron Complex: A Mechanistic Insight. *Inorganic Chemistry*, **2015**, 54, 10141-52	5.1	29
3	Isotope effect profiles in the N-demethylation of N,N-dimethylanilines: a key to determine the pK(a) of nonheme Fe(III)-OH complexes. *Chemical Communications*, **2015**, 51, 5032-5	5.8	14
2	Hydrocarbon oxidation catalyzed by a cheap nonheme imine-based iron(II) complex. *Catalysis Science and Technology*, **2014**, 4, 2900-2903	5.5	24
1	Substituent effects on the catalytic activity of bipyrrolidine-based iron complexes. *Journal of Organic Chemistry*, **2013**, 78, 11508-12	4.2	25