

Olaf CussÃ³

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/755235/publications.pdf>

Version: 2024-02-01

21
papers

1,298
citations

566801

15
h-index

713013

21
g-index

25
all docs

25
docs citations

25
times ranked

1111
citing authors

#	ARTICLE	IF	CITATIONS
1	Asymmetric Epoxidation with H ₂ O ₂ by Manipulating the Electronic Properties of Non-heme Iron Catalysts. <i>Journal of the American Chemical Society</i> , 2013, 135, 14871-14878.	6.6	216
2	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.	1.1	153
3	Biologically inspired non-heme iron-catalysts for asymmetric epoxidation; design principles and perspectives. <i>Chemical Communications</i> , 2015, 51, 14285-14298.	2.2	133
4	Chemoselective Aliphatic C-H Bond Oxidation Enabled by Polarity Reversal. <i>ACS Central Science</i> , 2017, 3, 1350-1358.	5.3	121
5	Iron Catalyzed Highly Enantioselective Epoxidation of Cyclic Aliphatic Enones with Aqueous H ₂ O ₂ . <i>Journal of the American Chemical Society</i> , 2016, 138, 2732-2738.	6.6	95
6	Readily Accessible Bulky Iron Catalysts exhibiting Site Selectivity in the Oxidation of Steroidal Substrates. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 5776-5779.	7.2	90
7	Highly Stereoselective Epoxidation with H ₂ O ₂ Catalyzed by Electron-Rich Aminopyridine Manganese Catalysts. <i>Organic Letters</i> , 2013, 15, 6158-6161.	2.4	80
8	Synergistic Interplay of a Non-Heme Iron Catalyst and Amino Acid Coligands in H ₂ O ₂ Activation for Asymmetric Epoxidation of <i>l</i> -Alkyl-Substituted Styrenes. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 2729-2733.	7.2	79
9	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.	1.7	74
10	Readily Accessible Bulky Iron Catalysts exhibiting Site Selectivity in the Oxidation of Steroidal Substrates. <i>Angewandte Chemie</i> , 2016, 128, 5870-5873.	1.6	67
11	Evidence of a Sole Oxygen Atom Transfer Agent in Asymmetric Epoxidations with Fe-pdp Catalysts. <i>ACS Catalysis</i> , 2017, 7, 5046-5053.	5.5	34
12	A bottom up approach towards artificial oxygenases by combining iron coordination complexes and peptides. <i>Chemical Science</i> , 2017, 8, 3660-3667.	3.7	30
13	Pro-Oxidant Activity of Amine-Pyridine-Based Iron Complexes Efficiently Kills Cancer and Cancer Stem-Like Cells. <i>PLoS ONE</i> , 2015, 10, e0137800.	1.1	28
14	Synergistic Interplay of a Non-Heme Iron Catalyst and Amino Acid Coligands in H ₂ O ₂ Activation for Asymmetric Epoxidation of <i>l</i> -Alkyl-Substituted Styrenes. <i>Angewandte Chemie</i> , 2015, 127, 2767-2771.	1.6	25
15	Highly enantioselective epoxidation of olefins by H ₂ O ₂ catalyzed by a non-heme Fe(II) catalyst of a chiral tetradentate ligand. <i>Dalton Transactions</i> , 2019, 48, 6123-6131.	1.6	19
16	Solid-Phase Synthesis of Biaryl Cyclic Peptides Containing a 3-Aryltyrosine. <i>European Journal of Organic Chemistry</i> , 2012, 2012, 6204-6211.	1.2	15
17	In vitro and in vivo identification of tetradentated polyamine complexes as highly efficient metallo-drugs against <i>Trypanosoma cruzi</i> . <i>Experimental Parasitology</i> , 2016, 164, 20-30.	0.5	14
18	Hydrogen sulfide impacts on inflammation-induced adipocyte dysfunction. <i>Food and Chemical Toxicology</i> , 2019, 131, 110543.	1.8	12

#	ARTICLE	IF	CITATIONS
19	Tetradentate polyamines as efficient metallodrugs for Chagas disease treatment in murine model. Journal of Chemotherapy, 2017, 29, 83-93.	0.7	5
20	H ₂ oxidation versus organic substrate oxidation in non-heme iron mediated reactions with H ₂ O ₂ . Chemical Communications, 2015, 51, 14992-14995.	2.2	4
21	Effective Tetradentate Compound Complexes against Leishmania spp. that Act on Critical Enzymatic Pathways of These Parasites. Molecules, 2019, 24, 134.	1.7	4