

Olaf CussÃ³

List of Publications by Year in descending order

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21
papers

1,298
citations

567281
15
h-index

713466
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g-index

25
all docs

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docs citations

25
times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Asymmetric Epoxidation with H_2O_2 by Manipulating the Electronic Properties of Non-heme Iron Catalysts. <i>Journal of the American Chemical Society</i> , 2013, 135, 14871-14878.	13.7	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.	2.6	153
3	Biologically inspired non-heme iron-catalysts for asymmetric epoxidation; design principles and perspectives. <i>Chemical Communications</i> , 2015, 51, 14285-14298.	4.1	133
4	Chemoselective Aliphatic C-H Bond Oxidation Enabled by Polarity Reversal. <i>ACS Central Science</i> , 2017, 3, 1350-1358.	11.3	121
5	Iron Catalyzed Highly Enantioselective Epoxidation of Cyclic Aliphatic Enones with Aqueous H_2O_2 . <i>Journal of the American Chemical Society</i> , 2016, 138, 2732-2738.	13.7	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.	13.8	90
7	Highly Stereoselective Epoxidation with H_2O_2 Catalyzed by Electron-Rich Aminopyridine Manganese Catalysts. <i>Organic Letters</i> , 2013, 15, 6158-6161.	4.6	80
8	Synergistic Interplay of a Non-Heme Iron Catalyst and Amino Acid Coligands in H_2O_2 Activation for Asymmetric Epoxidation of α -Alkyl-Substituted Styrenes. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 2729-2733.	13.8	79
9	Biologically Inspired H and C=C Oxidations with Hydrogen Peroxide Catalyzed by Iron Coordination Complexes. <i>Chemistry - an Asian Journal</i> , 2016, 11, 3148-3158.	3.3	74
10	Readily Accessible Bulky Iron Catalysts exhibiting Site Selectivity in the Oxidation of Steroidal Substrates. <i>Angewandte Chemie</i> , 2016, 128, 5870-5873.	2.0	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.	11.2	34
12	A bottom up approach towards artificial oxygenases by combining iron coordination complexes and peptides. <i>Chemical Science</i> , 2017, 8, 3660-3667.	7.4	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.	2.5	28
14	Synergistic Interplay of a Non-Heme Iron Catalyst and Amino Acid Coligands in H_2O_2 Activation for Asymmetric Epoxidation of α -Alkyl-Substituted Styrenes. <i>Angewandte Chemie</i> , 2015, 127, 2767-2771.	2.0	25
15	Highly enantioselective epoxidation of olefins by H_2O_2 catalyzed by a non-heme Fe(II) catalyst of a chiral tetradentate ligand. <i>Dalton Transactions</i> , 2019, 48, 6123-6131.	3.3	19
16	Solid-Phase Synthesis of Biaryl Cyclic Peptides Containing a β -Aryltyrosine. <i>European Journal of Organic Chemistry</i> , 2012, 2012, 6204-6211.	2.4	15
17	In vitro and in vivo identification of tetradentated polyamine complexes as highly efficient metalodrugs against <i>Trypanosoma cruzi</i> . <i>Experimental Parasitology</i> , 2016, 164, 20-30.	1.2	14
18	Hydrogen sulfide impacts on inflammation-induced adipocyte dysfunction. <i>Food and Chemical Toxicology</i> , 2019, 131, 110543.	3.6	12

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19	Tetradentate polyamines as efficient metallodrugs for Chagas disease treatment in murine model. Journal of Chemotherapy, 2017, 29, 83-93.	1.5	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.	4.1	4
21	Effective Tetradentate Compound Complexes against Leishmania spp. that Act on Critical Enzymatic Pathways of These Parasites. Molecules, 2019, 24, 134.	3.8	4