

Anna Company

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.

81
papers

3,536
citations

34
h-index

58
g-index

90
ext. papers

3,899
ext. citations

8.1
avg, IF

5.3
L-index

#	Paper	IF	Citations
81	Palladium-catalysed hydroxylation and alkoxylation. <i>Chemical Society Reviews</i> , 2011 , 40, 4912-24	58.5	308
80	Stereospecific C-H oxidation with H ₂ O ₂ catalyzed by a chemically robust site-isolated iron catalyst. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 5720-3	16.4	234
79	Alkane hydroxylation by a nonheme iron catalyst that challenges the heme paradigm for oxygenase action. <i>Journal of the American Chemical Society</i> , 2007 , 129, 15766-7	16.4	181
78	Trapping a Highly Reactive Nonheme Iron Intermediate That Oxygenates Strong C-H Bonds with Stereoretention. <i>Journal of the American Chemical Society</i> , 2015 , 137, 15833-42	16.4	125
77	A novel platform for modeling oxidative catalysis in non-heme iron oxygenases with unprecedented efficiency. <i>Chemistry - A European Journal</i> , 2008 , 14, 5727-31	4.8	121
76	O ₂ activation and selective phenolate ortho hydroxylation by an unsymmetric dicopper mu-eta1:eta1-peroxido complex. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 2406-9	16.4	101
75	Modeling the cis-oxo-labile binding site motif of non-heme iron oxygenases: water exchange and oxidation reactivity of a non-heme iron(IV)-oxo compound bearing a tripodal tetradentate ligand. <i>Chemistry - A European Journal</i> , 2011 , 17, 1622-34	4.8	97
74	A First Example of Cobalt-Catalyzed Remote C-H Functionalization of 8-Aminoquinolines Operating through a Single Electron Transfer Mechanism. <i>Advanced Synthesis and Catalysis</i> , 2016 , 358, 1679-1688	5.6	97
73	Structural and reactivity models for copper oxygenases: cooperative effects and novel reactivities. <i>Accounts of Chemical Research</i> , 2015 , 48, 2397-406	24.3	90
72	Efficient and selective peracetic Acid epoxidation catalyzed by a robust manganese catalyst. <i>Organic Letters</i> , 2008 , 10, 2095-8	6.2	88
71	Evidence for a precursor complex in C-H hydrogen atom transfer reactions mediated by a manganese(IV) oxo complex. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 5648-53	16.4	83
70	Assessing the impact of electronic and steric tuning of the ligand in the spin state and catalytic oxidation ability of the Fe(II)(Pytacn) family of complexes. <i>Inorganic Chemistry</i> , 2013 , 52, 9229-44	5.1	79
69	Chemoselective Aliphatic C-H Bond Oxidation Enabled by Polarity Reversal. <i>ACS Central Science</i> , 2017 , 3, 1350-1358	16.8	78
68	Chiral manganese complexes with pinene appended tetradentate ligands as stereoselective epoxidation catalysts. <i>Dalton Transactions</i> , 2007 , 5539-45	4.3	74
67	Regioselective Access to Sultam Motifs through Cobalt-Catalyzed Annulation of Aryl Sulfonamides and Alkynes using an 8-Aminoquinoline Directing Group. <i>Advanced Synthesis and Catalysis</i> , 2015 , 357, 4003-4012	5.6	72
66	The mechanism of stereospecific C-H oxidation by Fe(Pytacn) complexes: bioinspired non-heme iron catalysts containing cis-labile exchangeable sites. <i>Chemistry - A European Journal</i> , 2013 , 19, 6724-38	4.8	72
65	Olefin-dependent discrimination between two nonheme HO-Fe ^V =O tautomeric species in catalytic H ₂ O ₂ epoxidations. <i>Chemistry - A European Journal</i> , 2009 , 15, 3359-62	4.8	71

64	Triggering the generation of an iron(IV)-oxo compound and its reactivity toward sulfides by Ru(II) photocatalysis. <i>Journal of the American Chemical Society</i> , 2014 , 136, 4624-33	16.4	70
63	Tyrosinase-like reactivity in a Cu(III) ₂ (μ-O) ₂ species. <i>Chemistry - A European Journal</i> , 2008 , 14, 3535-8	4.8	69
62	Reactivity of a Nickel(II) Bis(amidate) Complex with meta-Chloroperbenzoic Acid: Formation of a Potent Oxidizing Species. <i>Chemistry - A European Journal</i> , 2015 , 21, 15029-38	4.8	66
61	Spectroscopic and DFT Characterization of a Highly Reactive Nonheme Fe-Oxo Intermediate. <i>Journal of the American Chemical Society</i> , 2018 , 140, 3916-3928	16.4	61
60	Copper(II) hexaaza macrocyclic binuclear complexes obtained from the reaction of their copper(I) derivatives and molecular dioxygen. <i>Inorganic Chemistry</i> , 2006 , 45, 3569-81	5.1	56
59	Stereospecific C-H Oxidation with H ₂ O ₂ Catalyzed by a Chemically Robust Site-Isolated Iron Catalyst. <i>Angewandte Chemie</i> , 2009 , 121, 5830-5833	3.6	53
58	Exceedingly Fast Oxygen Atom Transfer to Olefins via a Catalytically Competent Nonheme Iron Species. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 6310-4	16.4	50
57	Isolation of Key Organometallic Aryl-Co(III) Intermediates in Cobalt-Catalyzed C(sp)-H Functionalizations and New Insights into Alkyne Annulation Reaction Mechanisms. <i>Journal of the American Chemical Society</i> , 2016 , 138, 14388-14397	16.4	50
56	Structural modeling of iron halogenases: synthesis and reactivity of halide-iron(IV)-oxo compounds. <i>Chemical Communications</i> , 2014 , 50, 10887-90	5.8	49
55	Dioxygenase-like reactivity of an isolable superoxo-nickel(II) complex. <i>Chemistry - A European Journal</i> , 2010 , 16, 9669-75	4.8	49
54	Structural and kinetic study of reversible CO ₂ fixation by dicopper macrocyclic complexes. From intramolecular binding to self-assembly of molecular boxes. <i>Inorganic Chemistry</i> , 2007 , 46, 9098-110	5.1	48
53	Low-Valent Molybdenum-Based Dual Pre-Catalysts for Highly Efficient Catalytic Epoxidation of Alkenes and Deoxygenation of Sulfoxides. <i>ChemCatChem</i> , 2011 , 3, 1186-1192	5.2	46
52	Rapid Hydrogen and Oxygen Atom Transfer by a High-Valent Nickel-Oxygen Species. <i>Journal of the American Chemical Society</i> , 2016 , 138, 12987-12996	16.4	46
51	O-O bond formation mediated by a hexanuclear iron complex supported on a stannoxane core. <i>Chemistry - A European Journal</i> , 2012 , 18, 2787-91	4.8	42
50	Fe(PyTACN)-Catalyzed cis-Dihydroxylation of Olefins with Hydrogen Peroxide. <i>Advanced Synthesis and Catalysis</i> , 2013 , 355, 947-956	5.6	42
49	Fast O ₂ binding at dicopper complexes containing Schiff-base dinucleating ligands. <i>Inorganic Chemistry</i> , 2007 , 46, 4997-5012	5.1	39
48	Robust iron coordination complexes with N-based neutral ligands as efficient Fenton-like catalysts at neutral pH. <i>Environmental Science & Technology</i> , 2013 , 47, 9918-27	10.3	34
47	Oxygen Atom Exchange between H ₂ O and Non-Heme Oxoiron(IV) Complexes: Ligand Dependence and Mechanism. <i>Inorganic Chemistry</i> , 2016 , 55, 5818-27	5.1	33

46	Acid-Triggered O-O Bond Heterolysis of a Nonheme Fe (OOH) Species for the Stereospecific Hydroxylation of Strong C-H Bonds. <i>Chemistry - A European Journal</i> , 2018 , 24, 5331-5340	4.8	33
45	O ₂ Activation and Selective Phenolate ortho Hydroxylation by an Unsymmetric Dicopper μ - μ -Peroxido Complex. <i>Angewandte Chemie</i> , 2010 , 122, 2456-2459	3.6	32
44	Spectroscopically Characterized Synthetic Mononuclear Nickel-Oxygen Species. <i>Chemistry - A European Journal</i> , 2016 , 22, 13422-9	4.8	32
43	Activation of Dioxygen at a Lewis Acidic Nickel(II) Complex: Characterization of a Metastable Organoperoxide Complex. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 2307-2311	16.4	29
42	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	16.4	29
41	Zn and Fe complexes containing a redox active macrocyclic biquinazoline ligand. <i>Inorganic Chemistry</i> , 2009 , 48, 2944-55	5.1	29
40	Carboxylate-Assisted Formation of Aryl-Co(III) Masked-Carbenes in Cobalt-Catalyzed C-H Functionalization with Diazo Esters. <i>Journal of the American Chemical Society</i> , 2017 , 139, 14649-14655	16.4	28
39	Trapping of superoxido cobalt and peroxido dicobalt species formed reversibly from Co and O. <i>Chemical Communications</i> , 2017 , 53, 11782-11785	5.8	25
38	Monooxygenase-like reactivity of an unprecedented heterobimetallic {FeO ₂ Ni} moiety. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 7054-8	16.4	25
37	Characterization and Reactivity Studies of a Terminal Copper-Nitrene Species. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 14005-14008	16.4	25
36	Selective ortho-hydroxylation-defluorination of 2-fluorophenolates with a bis(μ -oxo)dicopper(III) species. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 9608-12	16.4	23
35	O ₂ chemistry of dicopper complexes with alkyltriamine ligands. Comparing synergistic effects on O ₂ binding. <i>Inorganic Chemistry</i> , 2006 , 45, 5239-41	5.1	23
34	Design, Preparation, and Characterization of Zn and Cu Metallopeptides Based On Tetradentate Aminopyridine Ligands Showing Enhanced DNA Cleavage Activity. <i>Inorganic Chemistry</i> , 2015 , 54, 10542-58	5.1	21
33	Computational Insight into the Mechanism of Alkane Hydroxylation by Non-heme Fe(PyTACN) Iron Complexes. Effects of the Substrate and Solvent. <i>Inorganic Chemistry</i> , 2015 , 54, 8223-36	5.1	21
32	Small Molecule Models for Nonporphyrinic Iron and Manganese Oxygenases 2013 , 487-564		21
31	Trifluoromethylation of a Well-Defined Square-Planar Aryl-Ni Complex involving Ni /CF and Ni -CF Intermediate Species. <i>Chemistry - A European Journal</i> , 2017 , 23, 11662-11668	4.8	20
30	Oxoiron(V) Complexes of Relevance in Oxidation Catalysis of Organic Substrates. <i>Israel Journal of Chemistry</i> , 2020 , 60, 1004-1018	3.4	19
29	Self-assembling of nanoscopic molecular rectangles, extended helicates and porous-like materials based on macrocyclic dicopper building blocks under fine supramolecular control. <i>Chemical Communications</i> , 2007 , 4410-2	5.8	18

28	Isomeric molecular rectangles resulting from self-assembly of dicopper complexes of macrocyclic ligands. <i>Inorganic Chemistry</i> , 2006 , 45, 2501-8	5.1	18
27	Exceedingly Fast Oxygen Atom Transfer to Olefins via a Catalytically Competent Nonheme Iron Species. <i>Angewandte Chemie</i> , 2016 , 128, 6418-6422	3.6	16
26	Application of a Nickel-Bispidine Complex as Pre-Catalyst for C(sp ²)–C(sp ³) Bond Formations. <i>Catalysis Letters</i> , 2012 , 142, 557-565	2.8	16
25	Entrapment of Heteropolyacids in Metallic Silver Matrices: Unique Heterogenized Acid Catalysts. <i>ChemCatChem</i> , 2011 , 3, 227-232	5.2	16
24	Evidence for a Precursor Complex in C–H Hydrogen Atom Transfer Reactions Mediated by a Manganese(IV) Oxo Complex. <i>Angewandte Chemie</i> , 2011 , 123, 5766-5771	3.6	16
23	Nitrous oxide activation by a cobalt(II) complex for aldehyde oxidation under mild conditions. <i>Dalton Transactions</i> , 2016 , 45, 14530-3	4.3	15
22	Alkane C–H Oxygenation Catalyzed by Transition Metal Complexes. <i>Catalysis By Metal Complexes</i> , 2012 , 143-228		14
21	Activation of Dioxygen at a Lewis Acidic Nickel(II) Complex: Characterization of a Metastable Organoperoxide Complex. <i>Angewandte Chemie</i> , 2017 , 129, 2347-2351	3.6	11
20	Monooxygenase-Like Reactivity of an Unprecedented Heterobimetallic {FeO ₂ Ni} Moiety. <i>Angewandte Chemie</i> , 2010 , 122, 7208-7212	3.6	11
19	Nanosized trigonal prismatic and antiprismatic Cu ^I coordination cages based on tricarboxylate linkers. <i>Dalton Transactions</i> , 2008 , 1679-82	4.3	10
18	Mechanistic insights into the S ₂ -type reactivity of aryl-Co(III) masked-carbenes for C–C bond forming transformations. <i>Chemical Science</i> , 2018 , 9, 5736-5746	9.4	10
17	Direct use of CO ₂ for O-arylcarbamate synthesis via mild Cu(II)-catalyzed aerobic C–H functionalization in pincer-like macrocyclic systems. <i>Journal of Organometallic Chemistry</i> , 2017 , 845, 44-48	4.3	9
16	Characterization and Reactivity Studies of a Terminal Copper–Nitrene Species. <i>Angewandte Chemie</i> , 2016 , 128, 14211-14214	3.6	9
15	Redox-controlled molecular flipper based on a chiral Cu complex. <i>Inorganic Chemistry</i> , 2006 , 45, 9643-5	5.1	9
14	Oxidative Cleavage of Cellobiose by Lytic Polysaccharide Monooxygenase (LPMO)-Inspired Copper Complexes. <i>ACS Omega</i> , 2019 , 4, 10729-10740	3.9	8
13	Building complexity in O ₂ -binding copper complexes. Site-selective metalation and intermolecular O ₂ -binding at dicopper and heterometallic complexes derived from an unsymmetric ligand. <i>Inorganic Chemistry</i> , 2014 , 53, 12929-38	5.1	7
12	Mechanistic Insights into the –Defluorination-Hydroxylation of 2-Halophenolates Promoted by a Bis(μ-oxo)dicopper(III) Complex. <i>Inorganic Chemistry</i> , 2020 , 59, 17018-17027	5.1	5
11	Selective Ortho-Hydroxylation–Defluorination of 2-Fluorophenolates with a Bis(μ-oxo)dicopper(III) Species. <i>Angewandte Chemie</i> , 2014 , 126, 9762-9766	3.6	3

10	Effective Tetradentate Compound Complexes against spp. that Act on Critical Enzymatic Pathways of These Parasites. <i>Molecules</i> , 2018 , 24,	4.8	3
9	O ₂ Bond Activation in Cu- and Fe-Based Coordination Complexes: Breaking It Makes the Difference. <i>Advances in Inorganic Chemistry</i> , 2017 , 63-105	2.1	1
8	Oxidative C-H Cleavage in Metalloenzymes and Model Compounds. <i>European Journal of Inorganic Chemistry</i> , 2022 , 2022, e202100754	2.3	1
7	Bio-Relevant Chemistry of Nickel 2021 , 846-877		1
6	Preparation of a coordinatively saturated μ_2 - μ -peroxodicopper(II) compound. <i>Inorganica Chimica Acta</i> , 2018 , 481, 166-170	2.7	0
5	Unravelling the mechanism of cobalt-catalysed remote C-H nitration of 8-aminoquinolinamides and expansion of substrate scope towards 1-naphthylpicolinamide. <i>Chemical Science</i> , 2020 , 11, 534-542	9.4	0
4	Catalytic O ₂ activation with synthetic models of α -ketoglutarate dependent oxygenases. <i>Chemical Communications</i> , 2020 , 56, 14369-14372	5.8	0
3	Well-Defined Aryl-Fe(II) Complexes in Cross-Coupling and C-H Activation Processes. <i>Organometallics</i> , 2021 , 40, 1195-1200	3.8	0
2	Selective Alkane Oxidation 2017 , 1525-1540		
1	O ₂ Reactivity at Model Copper Systems: Mimicking Tyrosinase Activity 2010 , 265-289		