

Shinobu Itoh

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122
papers

3,771
citations

33
h-index

59
g-index

132
ext. papers

4,117
ext. citations

7.1
avg, IF

5.44
L-index

| # | Paper | IF | Citations |
|-----|---|------|-----------|
| 122 | Selective One-Electron and Two-Electron Reduction of C60 with NADH and NAD Dimer Analogues via Photoinduced Electron Transfer. <i>Journal of the American Chemical Society</i> , 1998 , 120, 8060-8068 | 16.4 | 194 |
| 121 | Monooxygenase activity of type 3 copper proteins. <i>Accounts of Chemical Research</i> , 2007 , 40, 592-600 | 24.3 | 192 |
| 120 | Synthesis and Characterization of Imidazolate-Bridged Dinuclear Complexes as Active Site Models of Cu,Zn-SOD. <i>Journal of the American Chemical Society</i> , 2000 , 122, 5733-5741 | 16.4 | 192 |
| 119 | Mononuclear copper active-oxygen complexes. <i>Current Opinion in Chemical Biology</i> , 2006 , 10, 115-22 | 9.7 | 181 |
| 118 | Oxygenation of phenols to catechols by a (μ - η^2 : η^2 -peroxy)dicopper(II) complex: mechanistic insight into the phenolase activity of tyrosinase. <i>Journal of the American Chemical Society</i> , 2001 , 123, 6708-9 | 16.4 | 162 |
| 117 | Mononuclear copper(II)-superoxo complexes that mimic the structure and reactivity of the active centers of PHM and DbetaM. <i>Journal of the American Chemical Society</i> , 2009 , 131, 2788-9 | 16.4 | 134 |
| 116 | Direct hydroxylation of benzene to phenol using hydrogen peroxide catalyzed by nickel complexes supported by pyridylalkylamine ligands. <i>Journal of the American Chemical Society</i> , 2015 , 137, 5867-70 | 16.4 | 121 |
| 115 | Active Site Models for Galactose Oxidase. Electronic Effect of the Thioether Group in the Novel Organic Cofactor. <i>Inorganic Chemistry</i> , 1997 , 36, 1407-1416 | 5.1 | 120 |
| 114 | Developing mononuclear copper-active-oxygen complexes relevant to reactive intermediates of biological oxidation reactions. <i>Accounts of Chemical Research</i> , 2015 , 48, 2066-74 | 24.3 | 110 |
| 113 | Ni(II) as an efficient catalyst for alkane hydroxylation with m-CPBA. <i>Chemical Communications</i> , 2006 , 4016-8 | 5.8 | 110 |
| 112 | Ligand effects on Ni(II)-catalysed alkane-hydroxylation with m-CPBA. <i>Dalton Transactions</i> , 2007 , 1120-8 | 4.3 | 95 |
| 111 | Kinetic evaluation of phenolase activity of tyrosinase using simplified catalytic reaction system. <i>Journal of the American Chemical Society</i> , 2003 , 125, 13034-5 | 16.4 | 92 |
| 110 | Reactivity of mononuclear alkylperoxy copper(II) complex. O-O bond cleavage and C-H bond activation. <i>Journal of the American Chemical Society</i> , 2008 , 130, 4244-5 | 16.4 | 88 |
| 109 | Resonance Raman Spectroscopy as a Probe of the Bis(μ -oxo)dicopper Core. <i>Journal of the American Chemical Society</i> , 2000 , 122, 792-802 | 16.4 | 81 |
| 108 | Formation, characterization, and reactivity of bis(μ -oxo)dinickel(III) complexes supported by a series of bis[2-(2-pyridyl)ethyl]amine ligands. <i>Journal of the American Chemical Society</i> , 2001 , 123, 11168-78 | 16.4 | 79 |
| 107 | Oxidation of Benzyl Alcohol with Cu(II) and Zn(II) Complexes of the Phenoxyl Radical as a Model of the Reaction of Galactose Oxidase. <i>Angewandte Chemie - International Edition</i> , 1999 , 38, 2774-2776 | 16.4 | 77 |
| 106 | Active site models for the Cu(A) site of peptidylglycine β -hydroxylating monooxygenase and dopamine β -monooxygenase. <i>Inorganic Chemistry</i> , 2012 , 51, 9465-80 | 5.1 | 65 |

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| 105 | Modeling of the Chemistry of Quinoprotein Methanol Dehydrogenase. Oxidation of Methanol by Calcium Complex of Coenzyme PQQ via Addition-Elimination Mechanism. <i>Journal of the American Chemical Society</i> , 1997 , 119, 439-440 | 16.4 | 64 |
| 104 | Model studies on calcium-containing quinoprotein alcohol dehydrogenases. Catalytic role of Ca ²⁺ for the oxidation of alcohols by coenzyme PQQ (4,5-dihydro-4,5-dioxo-1H-pyrrolo[2,3-f]quinoline-2,7,9-tricarboxylic acid). <i>Biochemistry</i> , 1998 , 37, 6562-71 | 3.2 | 64 |
| 103 | Crystal structures of copper-depleted and copper-bound fungal pro-tyrosinase: insights into endogenous cysteine-dependent copper incorporation. <i>Journal of Biological Chemistry</i> , 2013 , 288, 22128-240 | 5.4 | 63 |
| 102 | Aliphatic Hydroxylation by a Bis(Exo)dinickel(III) Complex. <i>Journal of the American Chemical Society</i> , 1999 , 121, 8945-8946 | 16.4 | 57 |
| 101 | Fine tuning of the interaction between the copper(I) and disulfide bond. Formation of a bis(μ -thiolato)dicopper(II) complex by reductive cleavage of the disulfide bond with copper(I). <i>Journal of the American Chemical Society</i> , 2001 , 123, 4087-8 | 16.4 | 56 |
| 100 | Structures and redox reactivities of copper complexes of (2-pyridyl)alkylamine ligands. Effects of the alkyl linker chain length. <i>Inorganic Chemistry</i> , 2003 , 42, 8087-97 | 5.1 | 54 |
| 99 | Electron-Transfer Properties of Active Aldehydes of Thiamin Coenzyme Models, and Mechanism of Formation of the Reactive Intermediates. <i>Chemistry - A European Journal</i> , 1999 , 5, 2810-2818 | 4.8 | 50 |
| 98 | Redox properties of a mononuclear copper(II)-superoxide complex. <i>Inorganic Chemistry</i> , 2013 , 52, 10431-71 | 5.1 | 49 |
| 97 | Reactions of copper(II)-H ₂ O ₂ adducts supported by tridentate bis(2-pyridylmethyl)amine ligands: sensitivity to solvent and variations in ligand substitution. <i>Inorganic Chemistry</i> , 2008 , 47, 8222-32 | 5.1 | 49 |
| 96 | Characterization of imidazolate-bridged dinuclear and mononuclear hydroperoxo complexes. <i>Inorganic Chemistry</i> , 2001 , 40, 3200-7 | 5.1 | 48 |
| 95 | Aromatic hydroxylation reactivity of a mononuclear Cu(II)-alkylperoxo complex. <i>Journal of the American Chemical Society</i> , 2007 , 129, 7248-9 | 16.4 | 45 |
| 94 | Structure and O ₂ -reactivity of copper(I) complexes supported by pyridylalkylamine ligands. <i>Dalton Transactions</i> , 2006 , 4531-8 | 4.3 | 43 |
| 93 | Reactivity of copper(II)-alkylperoxo complexes. <i>Dalton Transactions</i> , 2011 , 40, 10326-36 | 4.3 | 40 |
| 92 | Catalytic Alkane Hydroxylation Reaction with Nickel(II) Complexes Supported by Di- and Triphenol Ligands. <i>Chemistry Letters</i> , 2007 , 36, 748-749 | 1.7 | 40 |
| 91 | An osmium(III)/osmium(V) redox couple generating Os(V)(O)(OH) center for cis-1,2-dihydroxylation of alkenes with H ₂ O ₂ : Os complex with a nitrogen-based tetradentate ligand. <i>Journal of the American Chemical Society</i> , 2012 , 134, 19270-80 | 16.4 | 38 |
| 90 | Copper(I)-Dioxygen Reactivity in a Sterically Demanding Tripodal Tetradentate tren Ligand: Formation and Reactivity of a Mononuclear Copper(II) End-On Superoxo Complex. <i>European Journal of Inorganic Chemistry</i> , 2012 , 2012, 4574-4578 | 2.3 | 35 |
| 89 | Direct Observation of Radical Intermediates While Investigating the Redox Behavior of Thiamin Coenzyme Models. <i>Angewandte Chemie - International Edition</i> , 1998 , 37, 992-994 | 16.4 | 31 |
| 88 | Effects of magnesium ion on kinetic stability and spin distribution of phenoxyl radical derived from a vitamin E analogue: mechanistic insight into antioxidative hydrogen-transfer reaction of vitamin E. <i>Perkin Transactions II RSC</i> , 2002 , 1520-1524 | | 31 |

- 87 Structure and dioxygen-reactivity of copper(I) complexes supported by bis(6-methylpyridin-2-ylmethyl)amine tridentate ligands. *Dalton Transactions*, **2005**, 3514-21 4.3 30
- 86 Effects of Metal Ions on the Electronic, Redox, and Catalytic Properties of Cofactor TTQ of Quinoprotein Amine Dehydrogenases. *Journal of the American Chemical Society*, **2000**, 122, 12087-12097 16.4 29
- 85 Redox chemistry of nickel(II) complexes supported by a series of noninnocent Ediketimate ligands. *Inorganic Chemistry*, **2014**, 53, 6159-69 5.1 28
- 84 Characterization of imidazolate-bridgedCu(II)Zn(II) heterodinuclear andCu(II)Cu(II) homodinuclear hydroperoxocomplexes as reaction intermediate models of Cu,ZnBOD. *Chemical Communications*, **2000**, 1051-1052 5.8 27
- 83 Model Studies of TTQ-Containing Amine Dehydrogenases. *Journal of Organic Chemistry*, **1996**, 61, 8967-8974 4.7 27
- 82 Catalytic C-H amination driven by intramolecular ligand-to-nitrene one-electron transfer through a rhodium(III) centre. *Chemical Communications*, **2017**, 53, 4849-4852 5.8 26
- 81 Multifunctions of MelB, a fungal tyrosinase from *Aspergillus oryzae*. *ChemBioChem*, **2012**, 13, 193-201 3.8 26
- 80 Post-translational His-Cys cross-linkage formation in tyrosinase induced by copper(II)-peroxo species. *Journal of the American Chemical Society*, **2011**, 133, 1180-3 16.4 26
- 79 A copper complex supported by an N2S-tridentate ligand inducing efficient heterolytic O-O bond cleavage of alkylhydroperoxide. *Dalton Transactions*, **2014**, 43, 4871-7 4.3 25
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- 76 Geometric control of nuclearity in copper(I)/dioxygen chemistry. *Inorganic Chemistry*, **2014**, 53, 8786-94 5.1 23
- 75 Copper complexes of the non-innocent Ediketimate ligand containing phenol groups. *Dalton Transactions*, **2013**, 42, 2438-44 4.3 22
- 74 Copper-Oxygen Dynamics in the Tyrosinase Mechanism. *Angewandte Chemie - International Edition*, **2020**, 59, 13385-13390 16.4 21
- 73 Tetrahedral Copper(II) Complexes with a Labile Coordination Site Supported by a Tris-tetramethylguanidinato Ligand. *Inorganic Chemistry*, **2017**, 56, 9634-9645 5.1 21
- 72 Heterolytic Alkyl Hydroperoxide O-O Bond Cleavage by Copper(I) Complexes. *European Journal of Inorganic Chemistry*, **2012**, 2012, 4099-4103 2.3 21
- 71 Syntheses, Structures, and O₂-Reactivities of Copper(I) Complexes with Bis(2-pyridylmethyl)amine and Bis(2-quinolylmethyl)amine Tridentate Ligands. *Bulletin of the Chemical Society of Japan*, **2006**, 79, 1729-1741 5.1 20
- 70 Cerium-Complex-Catalyzed Oxidation of Arylmethanols under Atmospheric Pressure of Dioxygen and Its Mechanism through a Side-On Peroxo Dicerium(IV) Complex. *Chemistry - A European Journal*, **2016**, 22, 4008-14 4.8 20

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| 69 | Noninnocent Ligand in Rhodium(III)-Complex-Catalyzed C-H Bond Amination with Tosyl Azide. <i>Inorganic Chemistry</i> , 2018 , 57, 9738-9747 | 5.1 | 20 |
| 68 | Osmium(III) and osmium(V) complexes bearing a macrocyclic ligand: a simple and efficient catalytic system for cis-dihydroxylation of alkenes with hydrogen peroxide. <i>Chemistry - an Asian Journal</i> , 2013 , 8, 2154-60 | 4.5 | 19 |
| 67 | Chemical Reactivity of Copper Active-Oxygen Complexes 2011 , 225-282 | | 17 |
| 66 | A Well-Defined Osmium-Cupin Complex: Hyperstable Artificial Osmium Peroxygenase. <i>Journal of the American Chemical Society</i> , 2017 , 139, 5149-5155 | 16.4 | 16 |
| 65 | Controlling Dicopper Protein Functions. <i>Bulletin of the Chemical Society of Japan</i> , 2016 , 89, 733-742 | 5.1 | 16 |
| 64 | Nickel(II) Complexes of tpa Ligands with 6-Phenyl Substituents (Phntpa). Structure and H ₂ O ₂ -Reactivity. <i>Bulletin of the Chemical Society of Japan</i> , 2010 , 83, 530-538 | 5.1 | 14 |
| 63 | Direct Observation of Primary C-H Bond Oxidation by an Oxido-Iron(IV) Porphyrin Radical Cation Complex in a Fluorinated Carbon Solvent. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 10863-10866 | 16.4 | 13 |
| 62 | Die Oxidation von Benzylalkohol mit CuII- und ZnII-Phenoxyradikal-Komplexen als Modell für die Redoxreaktion der Galactose-Oxidase. <i>Angewandte Chemie</i> , 1999 , 111, 2944-2946 | 3.6 | 13 |
| 61 | Cupric-superoxide complex that induces a catalytic aldol reaction-type C-C bond formation. <i>Communications Chemistry</i> , 2019 , 2, | 6.3 | 11 |
| 60 | A Bis(Oxido)nickel(III) Complex with a Triplet Ground State. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 7640-7643 | 16.4 | 11 |
| 59 | A Model for the Active-Site Formation Process in DMSO Reductase Family Molybdenum Enzymes Involving Oxido-Alcoholato and Oxido-Thiolato Molybdenum(VI) Core Structures. <i>Inorganic Chemistry</i> , 2016 , 55, 1542-50 | 5.1 | 11 |
| 58 | Oxidative Cyclization of 1,5-Dienes with Hydrogen Peroxide Catalyzed by an Osmium(III) Complex: Synthesis of cis-Tetrahydrofurans. <i>Organic Letters</i> , 2016 , 18, 1246-9 | 6.2 | 11 |
| 57 | Synthesis and properties of oxo-carboxylato- and dioxo-bridged osmium complexes of tris(2-pyridylmethyl)amine. <i>Inorganic Chemistry</i> , 2011 , 50, 9014-23 | 5.1 | 11 |
| 56 | Amine Oxidase and Galactose Oxidase 2011 , 53-106 | | 11 |
| 55 | Direkte Beobachtung radikalischer Zwischenstufen bei Untersuchungen zum Redoxverhalten von Modellen des Coenzym Thiamin. <i>Angewandte Chemie</i> , 1998 , 110, 1040-1042 | 3.6 | 11 |
| 54 | Dioxygenation of Flavonol Catalyzed by Copper(II) Complexes Supported by Carboxylate-Containing Ligands: Structural and Functional Models of Quercetin 2,4-Dioxygenase. <i>European Journal of Inorganic Chemistry</i> , 2017 , 2017, 1845-1854 | 2.3 | 10 |
| 53 | cis-1,2-Aminohydroxylation of Alkenes Involving a Catalytic Cycle of Osmium(III) and Osmium(V) Centers: Os(V)(O)(NHTs) Active Oxidant with a Macrocyclic Tetradentate Ligand. <i>Inorganic Chemistry</i> , 2015 , 54, 7073-82 | 5.1 | 10 |
| 52 | C-H bond activation of the methyl group of the supporting ligand in an osmium(III) complex upon reaction with H ₂ O ₂ : formation of an organometallic osmium(IV) complex. <i>Inorganic Chemistry</i> , 2013 , 52, 543-5 | 5.1 | 9 |

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| 51 | Insights into the Proposed Copper-Oxygen Intermediates that Regulate the Mechanism of Reactions Catalyzed by Dopamine β -Monooxygenase, Peptidylglycine β -Hydroxylating Monooxygenase, and Tyramine β -Monooxygenase 2011 , 1-22 | | 9 |
| 50 | Copper Dioxygenases 2011 , 23-52 | | 9 |
| 49 | Geometric effects on OO bond scission of copper(II)-alkylperoxide complexes. <i>Journal of Inorganic Biochemistry</i> , 2017 , 177, 375-383 | 4.2 | 8 |
| 48 | Copper-Oxygen Dynamics in the Tyrosinase Mechanism. <i>Angewandte Chemie</i> , 2020 , 132, 13487-13492 | 3.6 | 8 |
| 47 | Modelling a Histidine brace motif in mononuclear copper monooxygenases. <i>Chemical Communications</i> , 2020 , 56, 5123-5126 | 5.8 | 7 |
| 46 | Copper(I)-Dioxygen Reactivity in the Isolated Cavity of a Nanoscale Molecular Architecture. <i>European Journal of Inorganic Chemistry</i> , 2018 , 2018, 1976-1983 | 2.3 | 7 |
| 45 | Characterization and Reactivity of a Tetrahedral Copper(II) Alkylperoxido Complex. <i>Chemistry - A European Journal</i> , 2019 , 25, 11157-11165 | 4.8 | 6 |
| 44 | Catalytic effect of monovalent cations on the amine oxidation by cofactor TTQ of quinoprotein amine dehydrogenases. <i>Chemical Communications</i> , 2000 , 329-330 | 5.8 | 6 |
| 43 | Controlling Coordination Number of Rhodium(III) Complex by Ligand-Based Redox for Catalytic C-H Amination. <i>Bulletin of the Chemical Society of Japan</i> , 2020 , 93, 279-286 | 5.1 | 6 |
| 42 | Generation and characterisation of a stable nickel(ii)-aminoxyl radical complex. <i>Dalton Transactions</i> , 2017 , 46, 8013-8016 | 4.3 | 5 |
| 41 | Cupin Variants as a Macromolecular Ligand Library for Stereoselective Michael Addition of Nitroalkanes. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 7717-7720 | 16.4 | 5 |
| 40 | A Tetradentate Diiminato Ligand Containing Phenolate Substituents: Flexivalent Coordination to Mn(III), Co(III), Ni(II), and Cu(I). <i>European Journal of Inorganic Chemistry</i> , 2014 , 2014, 5752-5759 | 2.3 | 5 |
| 39 | Multicopper Proteins 2011 , 131-168 | | 5 |
| 38 | Oxido-Hydroxido- and Oxido-Aminato-Osmium(V) Complexes with a Cyclohexanediamine-Based Tetradentate Ligand as Active Oxidants for Dihydroxylation and Aminohydroxylation of Alkenes. <i>European Journal of Inorganic Chemistry</i> , 2019 , 2019, 2891-2898 | 2.3 | 4 |
| 37 | Tyrosinases in Organic Chemistry: A Versatile Tool for the α -Arylation of β -Dicarbonyl Compounds. <i>European Journal of Organic Chemistry</i> , 2018 , 2018, 1789-1796 | 3.2 | 4 |
| 36 | Structure and Reactivity of Copper Complexes Supported by a Bulky Tripodal N4 Ligand: Copper(I)/Dioxygen Reactivity and Formation of a Hydroperoxide Copper(II) Complex. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2018 , 644, 780-789 | 1.3 | 4 |
| 35 | Redox behavior of novel nickel and palladium complexes supported by trianionic non-innocent ligand containing diketiminate and phenol groups. <i>Journal of Porphyrins and Phthalocyanines</i> , 2015 , 19, 377-387 | 1.8 | 4 |
| 34 | Organic Synthetic Methods Using Copper Oxygen Chemistry 2011 , 361-444 | | 4 |

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| 33 | Catalysis of Photoinduced Electron Transfer Reactions. <i>Advances in Photochemistry</i> , 2007 , 107-172 | | 4 |
| 32 | A Bis(Oxido)nickel(III) Complex with a Triplet Ground State. <i>Angewandte Chemie</i> , 2018 , 130, 7766-7769 | 3.6 | 3 |
| 31 | Cytochrome c Oxidase and Models 2011 , 283-319 | | 3 |
| 30 | A Model Compound of the Novel Organic Cofactor CTQ (Cysteine Tryptophylquinone) of Quinohemoprotein Amine Dehydrogenase. <i>European Journal of Organic Chemistry</i> , 2004 , 2004, 3074-3079 | 2.2 | 3 |
| 29 | Halide-Adducts of OsO ₄ . Structure and Reactivity in Alcohol-Oxidation. <i>Bulletin of the Chemical Society of Japan</i> , | 5.1 | 3 |
| 28 | Oxidative Deamination of Aliphatic Amines by Coenzyme PQQ in the Micellar System. <i>Journal of Japan Oil Chemists Society</i> , 1987 , 36, 882-883 | | 3 |
| 27 | Oxygen Atom Insertion into the Osmium-Carbon Bond via an Organometallic Oxido-Osmium(V) Intermediate. <i>Organometallics</i> , 2021 , 40, 102-106 | 3.8 | 3 |
| 26 | Revisiting Alkane Hydroxylation with m-CPBA (m-Chloroperbenzoic Acid) Catalyzed by Nickel(II) Complexes. <i>Chemistry - A European Journal</i> , 2021 , 27, 14730-14737 | 4.8 | 3 |
| 25 | C(sp ³)-H bond activation by the carboxylate-adduct of osmium tetroxide (OsO ₄).. <i>Dalton Transactions</i> , 2021 , | 4.3 | 2 |
| 24 | Fine Tuning of Structure and Reactivity of Copper Complexes Using Pyridylalkylamine Ligands-Active Site Models for Copper Proteins-. <i>Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry</i> , 2005 , 63, 1240-1252 | 0.2 | 2 |
| 23 | Effects of Surfactants on the Oxidative Deamination of Amines by Coenzyme PQQ. <i>Journal of Japan Oil Chemists Society</i> , 1986 , 35, 91-95 | | 2 |
| 22 | Controlling the Reactivity of Copper(II) Acylperoxide Complexes. <i>Inorganic Chemistry</i> , 2021 , 60, 8554-8559 | 5.1 | 2 |
| 21 | Direct Observation of Primary C-H Bond Oxidation by an Oxido-Iron(IV) Porphyrin Radical Cation Complex in a Fluorinated Carbon Solvent. <i>Angewandte Chemie</i> , 2019 , 131, 10979-10982 | 3.6 | 1 |
| 20 | Theoretical Aspects of Dioxygen Activation in Dicopper Enzymes 2011 , 197-224 | | 1 |
| 19 | Supramolecular Copper Dioxygen Chemistry 2011 , 321-360 | | 1 |
| 18 | Multinuclear NMR and ab initio MO studies of 7-methyl-7H-pyrrolo [2,3-b]pyridine and related compounds. <i>Journal of Physical Organic Chemistry</i> , 1993 , 6, 139-144 | 2.1 | 1 |
| 17 | Alkane Oxidation with H ₂ O ₂ Catalyzed by OsO ₄ -carboxylate Adduct and Its Application to Heterogeneous Catalyst. <i>Chemistry Letters</i> , | 1.7 | 1 |
| 16 | Chemical Functions of Novel Heterocyclic o-Quinone Cofactors and Their Applications.. <i>Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry</i> , 1993 , 51, 1154-1163 | 0.2 | 1 |

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| 15 | Hydroxylation of Unactivated C(sp)-H Bonds with α -Chloroperbenzoic Acid Catalyzed by an Iron(III) Complex Supported by a Trianionic Planar Tetradentate Ligand. <i>Inorganic Chemistry</i> , 2021 , 60, 7641-7649 | 5.1 | 1 |
| 14 | Recent progress in oxidation chemistry of high-valent ruthenium-oxo and osmium-oxo complexes and related species. <i>Coordination Chemistry Reviews</i> , 2022 , 466, 214536 | 23.2 | 1 |
| 13 | Theoretical rationalization for the equilibrium between μ -peroxido)CuCu and bis(η -oxido)CuCu complexes: perturbational effects from ligand frameworks. <i>Dalton Transactions</i> , 2020 , 49, 6710-6717 | 4.3 | 0 |
| 12 | Chemical functions of novel coenzyme PQQ.. <i>Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry</i> , 1989 , 47, 855-867 | 0.2 | 0 |
| 11 | Dioxygen-Binding in Metalloproteins and Corresponding Models 2021 , 200-237 | | 0 |
| 10 | Dioxygenation of Flavonol Catalyzed by Copper(II) Complexes Supported by Carboxylate-Containing Ligands: Structural and Functional Models of Quercetin 2,4-Dioxygenase. <i>European Journal of Inorganic Chemistry</i> , 2017 , 2017, 1844-1844 | 2.3 | |
| 9 | C(sp ²) μ Iodination by a Rhodium(III) Complex Supported by a Redox-active Ligand Bearing Amidophenolato Moieties. <i>Chemistry Letters</i> , 2020 , 49, 666-669 | 1.7 | |
| 8 | Cupin Variants as a Macromolecular Ligand Library for Stereoselective Michael Addition of Nitroalkanes. <i>Angewandte Chemie</i> , 2020 , 132, 7791-7794 | 3.6 | |
| 7 | Structure and Reactivity of Copper-Oxygen Species Revealed by Competitive Oxygen-18 Isotope Effects 2011 , 169-195 | | |
| 6 | Energy Conversion and Conservation by Cytochrome Oxidases 2011 , 107-129 | | |
| 5 | Synthesis and structural properties of copper complexes toward the active center model of galactose oxidase. <i>Nihon Kessho Gakkaishi</i> , 1994 , 36, 166-166 | 0 | |
| 4 | Oxidative Transformation of Alkenes Catalyzed by Bioinspired Osmium Complexes. <i>Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry</i> , 2017 , 75, 929-940 | 0.2 | |
| 3 | Cerium-Complex-Catalyzed Oxidation of Arylmethanols under Atmospheric Pressure of Dioxygen and Its Mechanism through a Side-On η -Peroxo Dicerium(IV) Complex. <i>Chemistry - A European Journal</i> , 2016 , 22, 3897-3897 | 4.8 | |
| 2 | Osmium Complexes Coordinated with Poly(pyridylmethyl)diamine-Based Hexadentate Ligands. <i>European Journal of Inorganic Chemistry</i> , 2018 , 2018, 178-185 | 2.3 | |
| 1 | Hydroxylation of Aliphatic and Aromatic C-H Bonds Catalyzed by Biomimetic Transition-metal Complexes. <i>Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry</i> , 2022 , 80, 506-516 | 0.2 | |