

Jun Nakazawa

List of Publications by Year in descending order

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35
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#	ARTICLE	IF	CITATIONS
1	Discrete Complexes Immobilized onto Click-SBA-15 Silica: Controllable Loadings and the Impact of Surface Coverage on Catalysis. <i>Journal of the American Chemical Society</i> , 2012, 134, 2750-2759.	13.7	114
2	Controlled Loadings in a Mesoporous Material: Click-on Silica. <i>Journal of the American Chemical Society</i> , 2008, 130, 14360-14361.	13.7	98
3	Characterization of nickel(II)-acylperoxo species relevant to catalytic alkanehydroxylation by nickel complex with mCPBA. <i>Dalton Transactions</i> , 2013, 42, 3346-3356.	3.3	64
4	Characterization of Mononuclear Nonheme Iron(III) Superoxo Complex with a Five-membered Azole Ligand Set. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 7336-7339.	13.8	64
5	Structural Characterization and Oxidation Reactivity of a Nickel(II) Acylperoxo Complex. <i>Journal of the American Chemical Society</i> , 2013, 135, 6010-6013.	13.7	56
6	Encapsulation of Small Molecules by a Cavitand Porphyrin Self-Assembled via Quadruple Hydrogen Bonds. <i>Organic Letters</i> , 2006, 8, 4275-4278.	4.6	37
7	Kinetic Investigations of the Process of Encapsulation of Small Hydrocarbons into a Cavitand-Porphyrin. <i>Journal of Organic Chemistry</i> , 2007, 72, 9448-9455.	3.2	31
8	Size-Selective and Reversible Encapsulation of Single Small Hydrocarbon Molecules by a Cavitand-Porphyrin Species. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 3744-3746.	13.8	27
9	Copper(II) Complexes of a Series of Polypyridine Ligands Possessing a 1,2-Bis(2-pyridyl)ethane Common Moiety: Incorporation and Hydrolysis of Phosphate Esters. <i>Inorganic Chemistry</i> , 2005, 44, 691-702.	4.0	27
10	Alkane Oxidation by an Immobilized Nickel Complex Catalyst: Structural and Reactivity Differences Induced by Surface Ligand Density on Mesoporous Silica. <i>Chemistry - an Asian Journal</i> , 2013, 8, 1191-1199.	3.3	26
11	Syntheses, Crystal Structures, and Single Small Molecule Encapsulation Properties of Cavitand-Porphyrins. <i>Bulletin of the Chemical Society of Japan</i> , 2006, 79, 1431-1443.	3.2	21
12	Catalytic Alkane Oxidation by Homogeneous and Silica-supported Cobalt(II) Complex Catalysts with a Triazolyl Group-containing Tetradentate Ligand. <i>Chemistry Letters</i> , 2013, 42, 1197-1199.	1.3	21
13	Alkane oxidation reactivity of homogeneous and heterogeneous metal complex catalysts with mesoporous silica-immobilized (2-pyridylmethyl)amine type ligands. <i>Molecular Catalysis</i> , 2017, 443, 14-24.	2.0	18
14	O ₂ activation and external substrate oxidation capability of a Co(II) semiquinonato complex. <i>New Journal of Chemistry</i> , 2013, 37, 2377.	2.8	17
15	Dioxygen Activation and Substrate Oxygenation by a <i>p</i> -Nitrothiophenolato-nickel Complex: Unique Effects of an Acetonitrile Solvent and the <i>p</i> -Nitro Group of the Ligand. <i>Inorganic Chemistry</i> , 2011, 50, 9933-9935.	4.0	15
16	Heteroleptic cobalt(III) acetylacetonato complexes with N-heterocyclic carbene-donating scorpionate ligands: synthesis, structural characterization and catalysis. <i>Dalton Transactions</i> , 2019, 48, 2564-2568.	3.3	14
17	Iron complex immobilized catalyst based on β^2 -ketiminate ligand: Alkene oxygenation activity depending on the morphology of silica support and the structures of base additives. <i>Journal of Molecular Catalysis A</i> , 2013, 371, 42-47.	4.8	13
18	Immobilization of a Boron Center-Functionalized Scorpionate Ligand on Mesoporous Silica Supports for Heterogeneous Tp-Based Catalysts. <i>ACS Omega</i> , 2017, 2, 1025-1030.	3.5	12

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19	Efficient alkane hydroxylation catalysis of nickel(Ni^{II}) complexes with oxazoline donor containing tripodal tetradentate ligands. <i>Dalton Transactions</i> , 2020, 49, 6108-6118.	3.3	12
20	Coordination Properties of Organoborate Ligands – Steric Hindrance Around the Distal Boron Center Directs the Conformation of the Dialkylbis(imidazolyl)borate Scaffold. <i>European Journal of Inorganic Chemistry</i> , 2010, 2010, 5529-5537.	2.0	11
21	Tuning the O_2 Binding Affinity of Cobalt(II) Centers by Changing the Structural and Electronic Properties of the Distal Substituents on Azole-Based Chelating Ligands. <i>Inorganic Chemistry</i> , 2018, 57, 14218-14229.	4.0	11
22	Mimicking the Active Sites of Non-heme Iron Oxygenases on the Solid Supports of Catalysts: Formation of Immobilized Iron Complexes with Imidazolyl and Carboxylate Ligands. <i>Chemistry Letters</i> , 2015, 44, 144-146.	1.3	10
23	Manganese(II) Semiquinonato and Manganese(III) Catecholato Complexes with Tridentate Ligand: Modeling the Substrate-Binding State of Manganese-Dependent Catechol Dioxygenase and Reactivity with Molecular Oxygen. <i>Chemistry - an Asian Journal</i> , 2013, 8, 1115-1119.	3.3	9
24	Synthesis, Characterization and Aerobic Alcohol Oxidation Catalysis of Palladium(II) Complexes with a Bis(imidazolyl)borate Ligand. <i>European Journal of Inorganic Chemistry</i> , 2016, 2016, 2603-2608.	2.0	7
25	Aliphatic C-H hydroxylation activity and durability of a nickel complex catalyst according to the molecular structure of the bis(oxazoline) ligands. <i>Molecular Catalysis</i> , 2021, 511, 111718.	2.0	6
26	Synthesis, Characterization, and Small Hydrocarbon Encapsulation of Dicationic-Porphyrins. <i>Bulletin of the Chemical Society of Japan</i> , 2012, 85, 912-919.	3.2	5
27	A pseudotetrahedral nickel(II) complex with a tridentate oxazoline-based scorpionate ligand: chlorido[tris(4,4-dimethyloxazolin-2-yl)phenylborato]nickel(II). <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2016, 72, 842-845.	0.5	5
28	Cobalt(II) Complexes with N,N,N-Scorpionates and Bidentate Ligands: Comparison of Hydrotris(3,5-dimethylpyrazol-1-yl)borate Tp^* vs. Phenyltris(4,4-dimethyloxazolin-2-yl)borate ToM to Control the Structural Properties and Reactivities of Cobalt Centers. <i>Molecules</i> , 2018, 23, 1466.	3.8	5
29	Development of a novel scorpionate ligand with 6-methylpyridine and comparison of structural and electronic properties of nickel(II) complexes with related tris(azolyl)borates. <i>Dalton Transactions</i> , 0, , .	3.3	5
30	A monomeric manganese(II) catecholato complex: Synthesis, crystal structure, and reactivity toward molecular oxygen. <i>Inorganica Chimica Acta</i> , 2019, 484, 424-429.	2.4	3
31	Alkane Oxidation with H_2O_2 Catalyzed by OsO_4 -carboxylate Adduct and Its Application to Heterogeneous Catalyst. <i>Chemistry Letters</i> , 2022, 51, 231-234.	1.3	2
32	A tetracopper(II) complex as a functional model of multi-copper proteins mediates an efficient four-electron transfer to O_2 in an aerobic oxidation of catechols. <i>Journal of Inorganic Biochemistry</i> , 2003, 96, 198.	3.5	0
33	Synthesis, structural characterization, and reactivity of a dinuclear cobalt(II) (O^{II} -hydroxo)(O^{II} -pyrazolato) complex based on a hydrotris(pyrazolyl)borate ligand. <i>Inorganica Chimica Acta</i> , 2021, 527, 120533.	2.4	0