

Jin Kim

List of Publications by Year in descending order

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1259
citing authors

#	ARTICLE	IF	CITATIONS
1	Metal complexes containing σ -silicon-based pincer ligands: Reactivity and application in small molecule activation. <i>Bulletin of the Korean Chemical Society</i> , 2022, 43, 538-548.	1.9	4
2	Bioinspired nonheme iron complex that triggers mitochondrial apoptotic signalling pathway specifically for colorectal cancer cells. <i>Chemical Science</i> , 2022, 13, 737-747.	7.4	5
3	An end-on bis(η^4 -hydroxido) dimanganese(η^2 , η^3) azide complex for C-H bond and O-H bond activation reactions. <i>Chemical Communications</i> , 2022, 58, 4623-4626.	4.1	1
4	EPR spectroscopy elucidates the electronic structure of $[\text{Fe}^{\text{V}}(\text{O})(\text{TAML})]$ complexes. <i>Inorganic Chemistry Frontiers</i> , 2021, 8, 3775-3783.	6.0	6
5	EPR-derived structures of flavin radical and iron-sulfur clusters from <i>Methylosinus sporium</i> 5 reductase. <i>Inorganic Chemistry Frontiers</i> , 2021, 8, 1279-1289.	6.0	5
6	Spectroscopic capture of a low-spin Mn(IV)-oxo species in Ni-Mn ₃ O ₄ nanoparticles during water oxidation catalysis. <i>Nature Communications</i> , 2020, 11, 5230.	12.8	21
7	Probing the Structure and Binding Mode of EDTA on the Surface of Mn ₃ O ₄ Nanoparticles for Water Oxidation by Advanced Electron Paramagnetic Resonance Spectroscopy. <i>Inorganic Chemistry</i> , 2020, 59, 8846-8854.	4.0	2
8	A Silyl-Nickel Moiety as a Metal-Ligand Cooperative Site. <i>Inorganic Chemistry</i> , 2019, 58, 11534-11545.	4.0	17
9	Hydrogen Bond-Enabled Heterolytic and Homolytic Peroxide Activation within Nonheme Copper(II)-Alkylperoxo Complexes. <i>Inorganic Chemistry</i> , 2019, 58, 12964-12974.	4.0	22
10	Factors that determine thione(thiol)-disulfide interconversion in a bis(thiosemicarbazone) copper(II) complex. <i>RSC Advances</i> , 2019, 9, 9049-9052.	3.6	8
11	Advanced Electron Paramagnetic Resonance Studies of a Ternary Complex of Copper, Amyloid- β , and a Chemical Regulator. <i>Inorganic Chemistry</i> , 2018, 57, 12665-12670.	4.0	3
12	A mononuclear nonheme $\{\text{FeNO}\}^6$ complex: synthesis and structural and spectroscopic characterization. <i>Chemical Science</i> , 2018, 9, 6952-6960.	7.4	11
13	Well-Defined Cesium Benzotriazolide as an Active Catalyst for Generating Disubstituted Ureas from Carbon Dioxide and Amines. <i>ChemCatChem</i> , 2017, 9, 215-216.	3.7	0
14	σ -Complexation as a strategy for designing copper-based light emitters. <i>Chemical Communications</i> , 2017, 53, 2858-2861.	4.1	31
15	Water as a Hydroxy Source in a Rh^{III} -Catalyzed Directed C-H Hydroxylation of σ -Arylpyridines. <i>Asian Journal of Organic Chemistry</i> , 2017, 6, 907-912.	2.7	13
16	Computer-aided rational design of Fe^{III} -catalysts for the selective formation of cyclic carbonates from CO ₂ and internal epoxides. <i>Catalysis Science and Technology</i> , 2017, 7, 4375-4387.	4.1	34
17	Regiodivergent Conjugate Addition Controlled by Rhodium(I) and Palladium(II) Catalysts: A Combined Computational and Experimental Study. <i>Advanced Synthesis and Catalysis</i> , 2017, 359, 3160-3175.	4.3	8
18	Well-Defined Cesium Benzotriazolide as an Active Catalyst for Generating Disubstituted Ureas from Carbon Dioxide and Amines. <i>ChemCatChem</i> , 2017, 9, 247-252.	3.7	13

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19	Synthesis and characterization of a four-coordinate nickel carbamate species (MeSiPr ₂) ₂ TiEtQq ₁ 1 0.784314 rgBT /Overlock 10 T ₁ 5 Chimica Acta, 2017, 460, 55-62.	2.4	11
20	The unusual hydricity of a cobalt bound Si-H moiety. Chemical Communications, 2016, 52, 9367-9370.	4.1	18
21	Rh ^{III} -Catalyzed Directed C-H Bromination and Iodination to Synthesize Atropisomeric Biaryls. Asian Journal of Organic Chemistry, 2016, 5, 1107-1110.	2.7	7
22	Foldecture as a Core Material with Anisotropic Surface Characteristics. Journal of the American Chemical Society, 2015, 137, 2159-2162.	13.7	32
23	Crystal Structure, Chemical Bonding and Magnetism Studies for Three Quinary Polar Intermetallic Compounds in the (Eu _{1-x} Ca _x) ₉ In ₈ (Ge _{1-y} Sn _y) ₈ (x = 0.66, y = 0.03) and the (Eu _{1-x} Ca _x) ₃ In ₈ (Ge _{3-y} Sn _{1+y}) (x →). IJ ETQq ₁ 1 0.784314		
24	Phosphinite-Ni(0) Mediated Formation of a Phosphide-Ni(II)-OCOOMe Species via Uncommon Metal-Ligand Cooperation. Journal of the American Chemical Society, 2015, 137, 4280-4283.	13.7	58
25	Hydrogen-Bond-Assisted Controlled C-H Functionalization via Adaptive Recognition of a Purine Directing Group. Journal of the American Chemical Society, 2014, 136, 1132-1140.	13.7	146
26	Facile meso-BODIPY Annulation and Selective Sensing of Hypochlorite in Water. Organic Letters, 2014, 16, 520-523.	4.6	156
27	Transmethylation of a four-coordinate nickel monocoordinated species with methyl iodide. Chemical Science, 2014, 5, 3853-3858.	7.4	49
28	Single-Crystal Growth and Size Control of Three Novel Polar Intermetallics: Eu _{2.94(2)} Ca _{6.06} In ₈ Ge ₈ , Eu _{3.13(2)} Ca _{5.87} In ₈ Ge ₈ , and Sr _{3.23(3)} Ca _{5.77} In ₈ Ge ₈ with Crystal Structure, Chemical Bonding, and Magnetism Studies. Inorganic Chemistry, 2014, 53, 4669-4677.	4.0	8
29	Formation of a nickel carbon dioxide adduct and its transformation mediated by a Lewis acid. Chemical Communications, 2014, 50, 11458-11461.	4.1	74
30	Synthesis and Reactivity of Nickel(II) Hydroxycarbonyl Species, NiCOOH-η ⁵ -C ₅ . Organometallics, 2013, 32, 7195-7203.	2.3	61
31	Synthesis and Properties of Fluorinated Polyimides from Rigid and Twisted Bis(Trifluoromethyl)Benzidine for Flexible Electronics. , 0, , .		0