

# Shin-Guang Shyu

## List of Publications by Year in descending order

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21  
papers

308  
citations

932766

10  
h-index

839053

18  
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21  
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21  
docs citations

21  
times ranked

441  
citing authors

#	ARTICLE	IF	CITATIONS
1	Efficient and Selective Aerobic Alcohol Oxidation Catalyzed by Copper(II)/2,2,6,6-tetramethylpiperidine-Coxy at Room Temperature. <i>Advanced Synthesis and Catalysis</i> , 2010, 352, 3061-3068.	2.1	45
2	Efficient pretreatment of lignocellulosic biomass with high recovery of solid lignin and fermentable sugars using Fenton reaction in a mixed solvent. <i>Biotechnology for Biofuels</i> , 2018, 11, 287.	6.2	40
3	Efficient and selective copper-catalyzed organic solvent-free and biphasic oxidation of aromatic gem-disubstituted alkenes to carbonyl compounds by tert-butyl hydroperoxide at room temperature. <i>Green Chemistry</i> , 2014, 16, 3013-3017.	4.6	38
4	Intermediates of copper(i)-catalyzed C-S cross coupling of thiophenol with aryl halide by in situ ESI-MS study. <i>Chemical Communications</i> , 2011, 47, 5599-5601.	2.2	35
5	Cross C-S coupling reaction catalyzed by copper( $\sigma$ -Cp) N-heterocyclic carbene complexes. <i>RSC Advances</i> , 2017, 7, 4912-4920.	1.7	24
6	Copper(I)-Anilide Complex $[\text{Na}(\text{phen})_3][\text{Cu}(\text{NPh})_2]_2$ : An Intermediate in the Copper-Catalyzed N-Arylation of N-Phenylaniline. <i>Chemistry - A European Journal</i> , 2011, 17, 2716-2723.	1.7	22
7	Thiolate Ligand Transfer from Metallothiolates to Phosphido-Bridged Heterobimetallic Compounds: C-S Bond Cleavage in Benzenethiol and Formation of a Mixed-Metal Trinuclear Compound. <i>Organometallics</i> , 2003, 22, 3262-3270.	1.1	20
8	A copper(ii) complex as an intermediate of copper(i)-catalyzed C-N cross coupling of N-phenylaniline with aryl halide by in situ ESI-MS study. <i>Chemical Communications</i> , 2011, 47, 6686.	2.2	20
9	Synthesis and Structure of Heterobimetallic Compounds with a Single Thiolato-Bridged Ligand. <i>European Journal of Inorganic Chemistry</i> , 2001, 2001, 2655-2659.	1.0	15
10	Reactivity of $[\text{K}_3(\text{phen})_8][\text{Cu}(\text{NPh})_2]_3$ a possible intermediate in the copper(i)-catalyzed N-arylation of N-phenylaniline. <i>Dalton Transactions</i> , 2014, 43, 7020-7027.	1.6	11
11	Natural Bond Orbital Rationalizations of NMR Observations for Metal-Ligand Bonding (II): Rehybridization of Phosphorus Arising from Coordination of Methyl-Phenyl-Phosphines. <i>Journal of the Chinese Chemical Society</i> , 2011, 58, 163-173.	0.8	7
12	Synthesis of Bimetallic Phosphido-Bridged Isocyanide $\text{M}^{\text{II}}\text{Mo}$ (M = Mo, W) Complexes. <i>Organometallics</i> , 1998, 17, 4739-4743.	1.1	6
13	Reaction of $\text{CpW}(\text{CO})_2(\eta^4\text{-PPh}_2)\text{Mo}(\text{CO})_5$ and $\text{Fe}_2(\eta^4\text{-S}_2)(\text{CO})_6$ : Unusual Fragmentation and Coordination of $\text{Fe}_2(\eta^4\text{-S}_2)(\text{CO})_6$ . <i>Organometallics</i> , 2004, 23, 3941-3949.	1.1	6
14	Synthesis, Structure, and Reactivity of $[\text{Cu}(\text{phen})_2]\text{ClO}_2$ : Aerobic Oxidation of $\text{Cl}^{\text{I}}$ to $\text{ClO}_2^{\text{I}}$ at Room Temperature. <i>European Journal of Inorganic Chemistry</i> , 2014, 2014, 36-40.	1.0	6
15	Effect of Metal Salen Complex in the Base Catalyzed Catalytic Reaction between Carbon Dioxide and Epoxides. <i>Journal of the Chinese Chemical Society</i> , 2012, 59, 443-451.	0.8	4
16	Synthesis and Characterization of $(\eta^2\text{-Diketetonate})(\eta^7\text{-norbornadienyl acetate})\text{Copper(I)}$ Complexes, Single-Crystal Structure of $(\text{hfac})\text{Cu}(\eta^7\text{-AcO}\eta^5\text{-NBD})$ . <i>Journal of the Chinese Chemical Society</i> , 1995, 42, 547-554.	0.8	2
17	Synthesis of Heterobimetallic Phosphido-Bridged $\text{W}^{\text{II}}\text{Mo}$ Complexes with Chelating dppe and dppm Ligands. <i>Journal of the Chinese Chemical Society</i> , 1995, 42, 533-535.	0.8	2
18	Regiospecific Reaction between Dimetallic Phosphido-Bridged $\text{W}^{\text{II}}\text{W}$ Complexes and Phosphane Imide $\eta^5$ Electrophilic Site Switching by Metal-Metal Bond Formation. <i>European Journal of Inorganic Chemistry</i> , 2002, 2002, 1343-1348.	1.0	2

#	ARTICLE	IF	CITATIONS
19	Possible intermediates of Cu(phen)-catalyzed C–O cross-coupling of phenol with an aryl bromide by in situ ESI-MS and EPR studies. Dalton Transactions, 2014, 43, 11410-11417.	1.6	2
20	Ligand free copper(i)-catalyzed synthesis of diaryl ether with Cs <sub>2</sub> CO <sub>3</sub> via a free radical path. Dalton Transactions, 2015, 44, 12086-12090.	1.6	1
21	Preparation of Tungsten Cobalt Carbides and Oxide via an Organometallic Heterobimetallic Complex as a Single-Source Precursor. Journal of the American Ceramic Society, 1999, 82, 1436-1440.	1.9	0