

Ling-Kung Liu

List of Publications by Year in descending order

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times ranked

670
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#	ARTICLE	IF	CITATIONS
1	Synthesis and characterizations of Ni-NiO nanoparticles on PDDA-modified graphene for oxygen reduction reaction. <i>Nanoscale Research Letters</i> , 2014, 9, 444.	3.1	66
2	New bis(fluoro-ponytailed) bipyridine ligands for Pd-catalyzed Heck reactions under fluorous biphasic catalysis condition. <i>Tetrahedron</i> , 2007, 63, 2019-2023.	1.0	34
3	Solvent-free mechanochemical conversion of 3-ethoxysalicylaldehyde and primary aromatic amines to corresponding Schiff-bases. <i>Tetrahedron</i> , 2015, 71, 170-175.	1.0	33
4	Synthesis, structure and reactivity of novel palladiumdichloride-2,2'-bipyridine with 4,4'-bis(fluorous-ponytail). <i>Polyhedron</i> , 2007, 26, 3045-3053.	1.0	27
5	Nanocomposite for methanol oxidation: synthesis and characterization of cubic Pt nanoparticles on graphene sheets. <i>Science and Technology of Advanced Materials</i> , 2013, 14, 035001.	2.8	27
6	The intramolecular blue-shifting C-H...F hydrogen bond: crystal structure of [4,4'-bis(HCF ₂ CF ₂ CF ₂ CF ₂ CH ₂ OCH ₂)-2,2'-bpy]MCl ₂ where M = Pt, Pd. <i>CrystEngComm</i> , 2010, 12, 538-542.	1.3	26
7	Palladium-catalyzed Heck reaction under thermomorphic mode. <i>Tetrahedron Letters</i> , 2008, 49, 371-375.	0.7	25
8	Cyclopentadienyldicarbonyliron Halides as Electrophiles: Reactions of (η ⁵ -C ₅ H ₅)Fe(CO) ₂ X with RLi in the Presence of PPh ₃ To Produce (η ⁴ -exo-RC ₅ H ₅)Fe(CO) ₂ (PPh ₃) and Preparation of [(η ⁵ -C ₅ H ₅)Fe(CO)C(O)Me](μ ₂ ,η ¹ ,η ¹ -dppf)[(η ⁴ -exo-MeC ₅ H ₅)Fe(CO) ₂]. <i>Organometallics</i> , 1994, 13, 2816-2824.	1.1	23
9	(2,2'-Bipyridine)palladiumdichloride Derivatives as Recyclable Catalysts in Heck Reactions. <i>Journal of the Chinese Chemical Society</i> , 2006, 53, 1517-1521.	0.8	20
10	Synthesis, structure and spectroelectrochemical property of (2,2'-bipyridine)metal (M=Pt, Pd) dichloride with 4,4'-bis(fluorous-ponytail) on bipyridine. <i>Polyhedron</i> , 2010, 29, 1123-1129.	1.0	20
11	The reaction of CpFe(CO) ₂ X (X = Cl, Br, I) with phosphines catalyzed by [CpFe(CO) ₂] ₂ : evidence for an electron transfer chain catalysis mechanism. <i>Journal of Organometallic Chemistry</i> , 1996, 526, 393-395.	0.8	19
12	Solvatochromic photoluminescence investigation of functional Schiff-bases: A systematic study of substituent effects. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2017, 338, 161-170.	2.0	19
13	Reactions of 1-Hydroxypyridine-2-thione with Triosmium Clusters. Preparation and Transformation of N-Oxide-Containing Osmium Complexes. <i>Organometallics</i> , 1996, 15, 5605-5612.	1.1	15
14	Graphite oxide functionalized with ionic liquid and ruthenium as hydrogenation catalyst. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 17492-17500.	3.8	15
15	Recoverable platinum bis(fluoro-ponytailed) bipyridine complex as catalyst for hydrosilylation of alkynes under thermomorphic condition. <i>Tetrahedron</i> , 2016, 72, 8508-8515.	1.0	15
16	Cyclopentadienyldicarbonyliron Halides as Electrophiles: Reactions of (η ⁵ -C ₅ H ₅)Fe(CO) ₂ I with MeLi in the Presence of Monophosphines and Diphosphines. <i>Organometallics</i> , 1995, 14, 440-447.	1.1	14
17	Anion-induced migration reaction of acetylide from iron to cyclopentadienyl in (cyclopentadienyl)iron dicarbonyl(acetylide) complexes. <i>Journal of the Chemical Society Dalton Transactions</i> , 1998, , 741-744.	1.1	14
18	The microwave-assisted ionic liquid nanocomposite synthesis: platinum nanoparticles on graphene and the application on hydrogenation of styrene. <i>Nanoscale Research Letters</i> , 2013, 8, 414.	3.1	14

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19	The first two examples of halogen bonding with a sigma hole-donating fluorine in the C _{sp3} -F ^{δ+} -O _{sp3} interaction from polyfluorinated trans-dihalo-palladium(II) di-substituted pyridine complexes. <i>Chemical Communications</i> , 2019, 55, 14259-14262.	2.2	14
20	Characterization of Au and Bimetallic PtAu Nanoparticles on PDDA-Graphene Sheets as Electrocatalysts for Formic Acid Oxidation. <i>Nanoscale Research Letters</i> , 2015, 10, 365.	3.1	11
21	The Synthesis and Structure of (Diphenylphosphino)ethane-(Phenylthio)Ferrocene-Tricarbonyliron(O) (ptppf)Fe(CO) ₃ . <i>Journal of the Chinese Chemical Society</i> , 1992, 39, 61-65.	0.8	10
22	Neighboring Metal-Induced Oxidative Addition in Conjunction with a Hydride Trap: Formation of [(1.5-MeC ₅ H ₄)Fe(CO)(1.1-PPH ₂ CH ₂ PPh ₂)(1.4-H)M(CO) ₄] (M = W, Mo). <i>Organometallics</i> , 1997, 16, 155-157.	1.1	10
23	Octasilsesquioxane Chemistry II. Hydrosilylation Reaction of Octa(hydrido)silsesquioxane with Unsaturated Substrates and Product Properties. <i>Journal of the Chinese Chemical Society</i> , 2004, 51, 175-182.	0.8	10
24	High Fluorine Content Bis(fluoro-terminated) Bipyridine Palladium Complexes as Catalyst for Mizoroki-Heck Reactions under Fluorous Biphasic Catalysis Conditions. <i>Journal of the Chinese Chemical Society</i> , 2008, 55, 89-96.	0.8	10
25	Studies on Mechanochemistry: Solid Coordination Compounds from Primary Aromatic Amines and Cobalt(II) Chloride Hexahydrate. <i>Journal of the Chinese Chemical Society</i> , 2014, 61, 1180-1187.	0.8	9
26	The Thermal Reaction of the Tris(1-hydrido)dodecacarbonyltrirhenium Cluster with Triphenylphosphine and Triphenylphosphite. <i>Journal of the Chinese Chemical Society</i> , 1986, 33, 291-301.	0.8	7
27	The Evolution Aspect in the Crystallization Process of [5,5-(HCF ₂ CH ₂ OCH ₂) ₂] ₂ -(bpy) ₂ MX ₂ (M = Pt, Pd; X = Cl, Br): Role of the Intramolecular CF ₂ -H...X(M) Hydrogen Bonds. <i>Journal of the Chinese Chemical Society</i> , 2018, 65, 613-627.	0.8	10
28	Systematic studies on mechanochemical synthesis: Schiff bases from solid aromatic primary amines and aldehydes. <i>Journal of the Chinese Chemical Society</i> , 2019, 66, 1729-1737.	0.8	7
29	Recyclable Palladium Catalysts for the Heck/Sonogashira Reaction under Microwave-assisted Thermomorphic Conditions. <i>Journal of the Chinese Chemical Society</i> , 2015, 62, 64-72.	0.8	6
30	Ring Expansion and Skeletal Rearrangement of Propargyl Alcohol Substituted Aziridines Induced by Ruthenium Complexes. <i>Chemistry - an Asian Journal</i> , 2016, 11, 2889-2896.	1.7	6
31	MeLi Reactions with the Electrophile System of (1.5-C ₅ H ₅)Fe(CO) ₂ /P(OMe) ₃ : The Roles of MeLi as Reductant, Nucleophile, and Base. <i>Organometallics</i> , 1999, 18, 1154-1158.	1.1	5
32	Reactivities of Secondary Phosphine Selenides Cp(CO) ₂ FeP(Se)(OR) ₂ : Formation of a Diiodine Charge Transfer Adduct and Se-Methylation. <i>Organometallics</i> , 2009, 28, 4958-4963.	1.1	5
33	The (2,2'-bipyridine)Pt ₂ complex with 5,5'-modification of fluorous side chains: Orthogonal skeleton. <i>Journal of Fluorine Chemistry</i> , 2018, 206, 29-35.	0.9	5
34	Hydrogen bonding and fluorous weak interactions in the non-isomorphous {4,4'-bis[(2,2,3,3-tetrafluoropropoxy)methyl]-2,2'-bipyridine-1,2-dithiolene} dibromidopalladium and -platinum complexes. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2018, 74, 760-768.	0.2	5
35	Studies of two different types of intramolecular C-H...F interactions from polyfluorinated diiodometal(II) diimine complexes. <i>Journal of the Chinese Chemical Society</i> , 2019, 66, 31-40.	0.8	5
36	Syntheses and Reactions of Rhenium Carbamoyl Complexes of the Type (CO) ₄ Re(NH ₂) ₂ (CONHR) (R = Ethyl, Allyl or Isopropyl). <i>Journal of the Chinese Chemical Society</i> , 1992, 39, 311-317.	0.8	4

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37	Silver(I) Complexes of Schiff Bases Derived from Thiophene-2,5-dicarboxaldehyde and Furan-2,5-dicarboxaldehyde. <i>Journal of the Chinese Chemical Society</i> , 1998, 45, 269-275.	0.8	4
38	Application of electron-transfer chain catalysis: preparation of bridged $\{(\eta^5\text{-C}_5\text{H}_5)\text{Fe}(\text{CO})_2\}_2(\eta^4\text{-diphosphine})_2$ complexes without chelated $\{(\eta^5\text{-C}_5\text{H}_5)\text{Fe}(\text{CO})(\eta^2\text{-diphosphine})_2\}$ byproducts. <i>Comptes Rendus Chimie</i> , 2002, 5, 319-324.	0.8	4
39	4,4'-Bis(2,2,2-trifluoroethoxymethyl)-2,2'-bipyridine. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2010, 66, o289-o291.	0.4	4
40	Carbonylation of Benzyl Halides Over Two-Phase Catalyst of Iron Pentacarbonyl. <i>Journal of the Chinese Chemical Society</i> , 1985, 32, 23-27.	0.8	3
41	The Diphenylacetylene Reaction with Tricarbonylbis($\eta^5\text{-cis-cyclooctene}$)iron in the Presence or Absence of Carbon Monoxide. <i>Journal of the Chinese Chemical Society</i> , 1997, 44, 33-41.	0.8	3
42	Stoichiometric vs Catalytic MeLi Reaction with the Mixture of $(\eta^5\text{-C}_5\text{H}_5)_2\text{Fe}(\text{CO})_2$ and $\text{P}(\text{OR})_3$: Nucleophilic Methylation vs Arbuzov-Like Dealkylation. <i>Journal of the Chinese Chemical Society</i> , 2000, 47, 109-116.	0.8	3
43	Increased Conversion to 2,4,6-Triarylpyrylium Salt: Aldol Cyclotrimerization of Acetophenone in BMImPF ₆ Ionic Liquid. <i>Journal of the Chinese Chemical Society</i> , 2008, 55, 512-516.	0.8	3
44	Ionic Liquid in Synthesis: A Phase Transfer Reagent and a Redox Mediating Medium. <i>Journal of the Chinese Chemical Society</i> , 2013, 60, 281-287.	0.8	3
45	Synthesis of coumarin derivatives in a microfluidic flow system employing the Pechmann condensation: A case study. <i>Journal of the Chinese Chemical Society</i> , 2020, 67, 2208-2215.	0.8	3
46	Molecular Structure of trans-4-p-Tolylcyclophosphamide. <i>Journal of the Chinese Chemical Society</i> , 1984, 31, 125-129.	0.8	2
47	Axial and Equatorial Dimethylamine Substitution on Phosphorus in the 1,3,2-Oxazaphosphorinane Ring System: Structures of 2-Dimethylamino-4-Phenyl-2H-1,3,2-Oxazaphosphorinane-2-Oxides. <i>Journal of the Chinese Chemical Society</i> , 1990, 37, 63-70.	0.8	2
48	Reaction of $(\eta^5\text{-C}_5\text{H}_5)_2\text{Fe}(\text{CO})_2$ with Anionic Bidentate Phosphine Ligands PPh ₂ ($\eta^6\text{-C}_6\text{H}_4\text{NHLi}$) or PPh ₂ ($\eta^6\text{-C}_6\text{H}_4\text{OLi}$). <i>Journal of the Chinese Chemical Society</i> , 2001, 48, 833-841.	0.8	2
49	Octasilsesquioxane Chemistry I. Attachment of Four Surface Bridges to Octasilsesquioxane Quasi-cube Framework. <i>Journal of the Chinese Chemical Society</i> , 2002, 49, 943-947.	0.8	2
50	A Study on the Dissolution of Ferric Oxide in Aqueous Hydrochloric Acid Solutions. <i>Journal of the Chinese Chemical Society</i> , 1985, 32, 95-97.	0.8	1
51	Preparation and Structure of $(\eta^5\text{-C}_5\text{H}_5)_2\text{Fe}(\text{CO})\{\text{C}(\text{O})\text{Ph}\}_2$ by a Sequential Treatment of Nucleophile Followed by Lewis Base. <i>Journal of the Chinese Chemical Society</i> , 2002, 49, 311-314.	0.8	1
52	Novel (2,2'-Bipyridine)PtBr ₂ Packing Polymorphic Form Produced in Chloroform Ionic Liquid Dispersion. <i>Crystal Growth and Design</i> , 2019, 19, 573-582.	1.4	1
53	Axial and Equatorial Substitution of Dimethylamine on Phosphorus in the 1,3,2-Oxazaphosphorinane Ring System: Structures of 2-Dimethylamino-Phenyl-2H-1,3,2-oxazaphosphorinane-2-Oxides. <i>Journal of the Chinese Chemical Society</i> , 1991, 38, 357-363.	0.8	0