Ling-Kung Liu

List of Publications by Year
in descending order

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53	603	623188	676716
papers	citations	14	22
		h-index	g-index

55	55	55	670
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Synthesis of coumarin derivatives in a microfluidic flow system employing the Pechmann condensation: A case study. Journal of the Chinese Chemical Society, 2020, 67, 2208-2215.	0.8	3
2	Systematic studies on mechanochemical synthesis: Schiff bases from solid aromatic primary amines and aldehydes. Journal of the Chinese Chemical Society, 2019, 66, 1729-1737.	0.8	7
3	The first two examples of halogen bonding with a sigma hole-donating fluorine in the C_{sp3}â€“FâˆO_{sp3}interaction from polyfluorinatedtrans-dihalo-palladium(<scp>ii</scp>) di-substituted pyridine complexes. Chemical Communications, 2019, 55, 14259-14262.	2.2	14
4	Novel (2,2â€²-Bipyridine)PtBr₂ Packing Polymorphic Form Produced in Chloroformâ€“Ionic Liquid Dispersion. Crystal Growth and Design, 2019, 19, 573-582.	1.4	1
5	Studies of two different types of intramolecular Câ€“HÂ·Â·Â·Fâ€“C interactions from polyfluorinated diiodometal(II) diimine complexes. Journal of the Chinese Chemical Society, 2019, 66, 31-40.	0.8	5
6	The (2,2â€²-bipyridine)PtI2 complex with 5,5â€²-modification of fluorous side chains: Orthogonal skeleton. Journal of Fluorine Chemistry, 2018, 206, 29-35.	0.9	5
7	The Evolution Aspect in the Crystallization Process of [5,5â€²â€(HCF₂CF₂CH₂OCH₂)₂â€2,2â€²â€bpy]MX₂ (Mâ€‰=â€‰Pt, Pd; Xâ€‰=â€‰I, Br): Role of the Intramolecular CF₂â”€H^{â€¦}X(â”€M) Hydrogen Bonds. Journal of the Chinese Chemical Society, 2018, 65, 613-627.	0.8	7
8	Hydrogen bonding and fluorous weak interactions in the non-isomorphous {4,4â€²-bis[(2,2,3,3-tetrafluoropropoxy)methyl]-2,2â€²-bipyridine-Îº²N,Nâ€²}dibromidopalladium and -platinum complexes. Acta Crystallographica Section C, Structural Chemistry, 2018, 74, 760-768.	0.2	5
9	Solvatochromic photoluminescence investigation of functional Schiff-bases: A systematic study of substituent effects. Journal of Photochemistry and Photobiology A: Chemistry, 2017, 338, 161-170.	2.0	19
10	Ring Expansion and Skeletal Rearrangement of Propargyl Alcohol Substituted Aziridines Induced by Ruthenium Complexes. Chemistry - an Asian Journal, 2016, 11, 2889-2896.	1.7	6
11	Recoverable platinum bis(fluoro-ponytailed) bipyridine complex as catalyst for hydrosilylation of alkynes under thermomorphic condition. Tetrahedron, 2016, 72, 8508-8515.	1.0	15
12	Characterization of Au and Bimetallic PtAu Nanoparticles on PDDA-Graphene Sheets as Electrocatalysts for Formic Acid Oxidation. Nanoscale Research Letters, 2015, 10, 365.	3.1	11
13	Recyclable Palladium Catalysts for the Heck/Sonogashira Reaction under Microwaveâ€assisted Thermomorphic Conditions. Journal of the Chinese Chemical Society, 2015, 62, 64-72.	0.8	6
14	Solvent-free mechanochemical conversion of 3-ethoxysalicylaldehyde and primary aromatic amines to corresponding Schiff-bases. Tetrahedron, 2015, 71, 170-175.	1.0	33
15	Studies on Mechanochemistry: Solid Coordination Compounds from Primary Aromatic Amines and Cobalt(II) Chloride Hexahydrate. Journal of the Chinese Chemical Society, 2014, 61, 1180-1187.	0.8	9
16	Synthesis and characterizations of Ni-NiO nanoparticles on PDDA-modified graphene for oxygen reduction reaction. Nanoscale Research Letters, 2014, 9, 444.	3.1	66
17	Graphite oxide functionalized with ionic liquid and ruthenium as hydrogenation catalyst. International Journal of Hydrogen Energy, 2014, 39, 17492-17500.	3.8	15
18	The microwave-assisted ionic liquid nanocomposite synthesis: platinum nanoparticles on graphene and the application on hydrogenation of styrene. Nanoscale Research Letters, 2013, 8, 414.	3.1	14

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19	Nanocomposite for methanol oxidation: synthesis and characterization of cubic Pt nanoparticles on graphene sheets. Science and Technology of Advanced Materials, 2013, 14, 035001.	2.8	27
20	Ionic Liquid in Synthesis: A Phase Transfer Reagent and a Redox Mediating Medium. Journal of the Chinese Chemical Society, 2013, 60, 281-287.	0.8	3
21	Synthesis, structure and spectroelectrochemical property of (2,2â€²-bipyridine)â€“metal (M=Pt, Pd) dichloride with 4,4â€²-bis(fluorous-ponytail) on bipyridine. Polyhedron, 2010, 29, 1123-1129.	1.0	20
22	4,4â€²-Bis(2,2,2-trifluoroethoxymethyl)-2,2â€²-bipyridine. Acta Crystallographica Section C: Crystal Structure Communications, 2010, 66, o289-o291.	0.4	4
23	The intramolecular blue-shifting Câ€“Hâ‹¯Fâ€“C hydrogen bond: crystal structure of [4,4â€²-bis(HCF2CF2CF2CF2CH2OCH2)-2,2â€²-bpy]MCl2where M = Pt, Pd. CrystEngComm, 2010, 12, 538-542.	1.3	26
24	Reactivities of Secondary Phosphine Selenides Cp(CO)₂FeP(Se)(OR)₂: Formation of a Diiodine Charge Transfer Adduct and Se-Methylation. Organometallics, 2009, 28, 4958-4963.	1.1	5
25	Palladium-catalyzed Heck reaction under thermomorphic mode. Tetrahedron Letters, 2008, 49, 371-375.	0.7	25
26	High Fluorine Content Bis(fluoroâ€Ponytailed) Bipyridine Palladium Complexes as Catalyst for Mizorokiâ€Heck Reactions under Fluorous Biphasic Catalysis Conditions. Journal of the Chinese Chemical Society, 2008, 55, 89-96.	0.8	10
27	Increased Conversion to 2,4,6â€Triarylpyrylium Salt: Aldol Cyclotrimerization of Acetophenone in BMImPF₆ Ionic Liquid. Journal of the Chinese Chemical Society, 2008, 55, 512-516.	0.8	3
28	New bis(fluoro-ponytailed) bipyridine ligands for Pd-catalyzed Heck reactions under fluorous biphasic catalysis condition. Tetrahedron, 2007, 63, 2019-2023.	1.0	34
29	Synthesis, structure and reactivity of novel palladiumdichloride-2,2â€²-bipyridine with 4,4â€²-bis(fluorous-ponytail). Polyhedron, 2007, 26, 3045-3053.	1.0	27
30	(2,2â€²â€Bipyridine)palladiumdichloride Derivatives as Recyclable Catalysts in Heck Reactions. Journal of the Chinese Chemical Society, 2006, 53, 1517-1521.	0.8	20
31	Octasilsesquioxane Chemistry II. Hydrosilylation Reaction of Octa(hydrido)silsesquioxane with Unsaturated Substrates and Product Properties. Journal of the Chinese Chemical Society, 2004, 51, 175-182.	0.8	10
32	Preparation and Structure of [(Î·⁵â€C₅H₅)Fe(CO){C(O)Ph}₂]₂Li₂(2,2â€²â€Bipyridine) A Sequential Treatment of Nucleophile Followed by Lewis Base. Journal of the Chinese Chemical Society, 2002, 49, 311-314.	0.8	1
33	Octasilsesquioxane Chemistry I. Attachment of Four Surface Bridges to Octasilsesquioxane Quasi-cube Framework. Journal of the Chinese Chemical Society, 2002, 49, 943-947.	0.8	2
34	Application of electron-transfer chain catalysis: preparation of bridged ã€š{(Î·5-C5H5)Fe(CO)2}2(Î¼-diphosphine)2+ã€› complexes without chelated ã€š(Î·5-C5H5)Fe(CO)(Î·2-diphosphine)+ã€› byproducts. Comptes Rendus Chimie, 2002, 5, 319-324.	0.8	4
35	Reaction of (Î·5 -C5 H5)Fe(CO)2 I with Anionic Bidentate Phosphine Ligands PPh2 (o -C6 H4 NHLi) or PPh2 (o -C6 H4 OLi). Journal of the Chinese Chemical Society, 2001, 48, 833-841.	0.8	2
36	Stoichiometric vs Catalytic MeLi Reaction with the Mixture of (á¹½⁵â€C₅H₅)Fe(CO)₂I and P(OR)₃: Nucleophilic Methylation vs Arbuzovâ€Like Dealkylation. Journal of the Chinese Chemical Society, 2000, 47, 109-116.	0.8	3

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37	MeLi Reactions with the Electrophile System of (Î·5-C5H5)Fe(CO)2I/P(OMe)3:Â The Roles of MeLi as Reductant, Nucleophile, and Base. Organometallics, 1999, 18, 1154-1158.	1.1	5
38	Anion-induced migration reaction of acetylide from iron to cyclopentadienyl in (cyclopentadienyl)irondicarbonyl(acetylide) complexes. Journal of the Chemical Society Dalton Transactions, 1998, , 741-744.	1.1	14
39	Silver(I) Complexes of Schiff Bases Derived from Thiophene-2,5-dicarboxaldehyde and Furan-2,5-dicarboxaldehyde. Journal of the Chinese Chemical Society, 1998, 45, 269-275.	0.8	4
40	The Diphenylacetylene Reaction with Tricarbonylbis(Î·²â€cisâ€cyclooctene)iron in the Presence or Absence of Carbon Monoxide. Journal of the Chinese Chemical Society, 1997, 44, 33-41.	0.8	3
41	Neighboring Metal-Induced Oxidative Addition in Conjunction with a Hydride Trap:Â Formation of [(Î·5-MeC5H4)Fe(CO)(Î¼-Î·1:Î·1-PPh2CH2PPh2)(Î¼-H)M(CO)4] (M = W, Mo). Organometallics, 1997, 16, 155-157.	1.1	10
42	Reactions of 1-Hydroxypyridine-2-thione with Triosmium Clusters. Preparation and Transformation of N-Oxide-Containing Osmium Complexes. Organometallics, 1996, 15, 5605-5612.	1.1	15
43	The reaction of CpFe(CO)2X(X î—» Cl, Br, I) with phosphines catalyzed by [CpFe(CO)2]2: evidence for an electron transfer chain catalysis mechanism. Journal of Organometallic Chemistry, 1996, 526, 393-395.	0.8	19
44	Cyclopentadienyldicarbonyliron Halides as Electrophiles: Reactions of (.eta.5-C5H5)Fe(CO)2I with MeLi in the Presence of Monophosphines and Diphosphines. Organometallics, 1995, 14, 440-447.	1.1	14
45	Cyclopentadienyldicarbonyliron Halides as Electrophiles: Reactions of (.eta.5-C5H5)Fe(CO)2X with RLi in the Presence of PPh3 To Produce (.eta.4-exo-RC5H5)Fe(CO)2(PPh3) and Preparation of [(.eta.5-C5H5)Fe(CO)C(O)Me](.mu.,.eta.1,.eta.1-dppf)[(.eta.4-exo-MeC5H5)Fe(CO)2]. Organometallics, 1994, 13, 2816-2824.	1.1	23
46	Syntheses and Reactions of Rhenium Carbamoyl Complexes of the Type (CO)₄Re(NH₂R)(CONHR) (R = Ethyl, Allyl or Isopropyl). Journal of the Chinese Chemical Society, 1992, 39, 311-317.	0.8	4
47	The Synthesis and Structure of (1â€(Diphenylphosphino)â€1 â€•(Phenylthio)Ferrocene)Tricarbonyliron(O) (ptppf)Fe(CO)₃. Journal of the Chinese Chemical Society, 1992, 39, 61-65.	0.8	10
48	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. Journal of the Chinese Chemical Society, 1991, 38, 357-363.	0.8	0
49	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. Journal of the Chinese Chemical Society, 1990, 37, 63-70.	0.8	2
50	The Thermal Reaction of the Tris(Î¼â€Hydrido)â€Đodecacarbonyltrirhenium (o) Cluster with Triphenylphosphine and Triphenylphosphite. Journal of the Chinese Chemical Society, 1986, 33, 291-301.	0.8	7
51	A Study on the Dissolution of Ferric Oxide in Aqueous Hydrochloric Acid Solutions. Journal of the Chinese Chemical Society, 1985, 32, 95-97.	0.8	1
52	Carbonylation of Benzyl Halides Over Twoâ€Phase Catalyst of Iron Pentacarbonyl. Journal of the Chinese Chemical Society, 1985, 32, 23-27.	0.8	3
53	Molecular Structure oftrans-4-p-Tolylcyclophosphamide. Journal of the Chinese Chemical Society, 1984, 31, 125-129.	0.8	2