# Lan-Chang Liang

List of Publications by Year
in descending order

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|---|---|---|---|
| 59 papers | 2,281 citations | 236925 25 h-index | 214800 47 g-index |
| 60 all docs | 60 docs citations | 60 times ranked | 1475 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Metal complexes of chelating diarylamido phosphine ligands. Coordination Chemistry Reviews, 2006, 250, 1152-1177. | 18.8 | 255 |
| 2 | Titanium and Zirconium Complexes That Contain the Tridentate Diamido Ligands [(i-PrN-o-C6H4)2O]2-([i-PrNON]2-) and [(C6H11N-o-C6H4)2O]2-([CyNON]2-). Journal of the American Chemical Society, 1999, 121, 7822-7836. | 13.7 | 154 |
| 3 | Amido Pincer Complexes of Nickel(II):â€‰ Synthesis, Structure, and Reactivity. Organometallics, 2006, 25, 1399-1411. | 2.3 | 147 |
| 4 | Nickel(II) Complexes of Bis(2-diphenylphosphinophenyl)amide. Organometallics, 2003, 22, 3007-3009. | 2.3 | 132 |
| 5 | Synthesis of Group 4 Complexes that Contain the Diamidoamine Ligands, [(2,4,6-Me3C6H2NCH2CH2)2NR]2-([Mes2N2NR]2-; R = H or CH3), and Polymerization of 1-Hexene by Activated [Mes2N2NR]ZrMe2Complexes. Journal of the American Chemical Society, 1999, 121, 5797-5798. | 13.7 | 131 |
| 6 | Intermolecular Arene Câ^'H Activation by Nickel(II). Journal of the American Chemical Society, 2006, 128, 15562-15563. | 13.7 | 97 |
| 7 | Amido Pincer Complexes of Palladium:â€‰ Synthesis, Structure, and Catalytic Heck Reaction. Organometallics, 2004, 23, 2813-2816. | 2.3 | 92 |
| 8 | Phosphorus and Olefin Substituent Effects on the Insertion Chemistry of Nickel(II) Hydride Complexes Containing Amido Diphosphine Ligands. Organometallics, 2008, 27, 3082-3093. | 2.3 | 89 |
| 9 | Catalytic Suzuki Coupling Reactions by Amido Phosphine Complexes of Palladium. Organometallics, 2005, 24, 353-357. | 2.3 | 84 |
| 10 | Benzene Câ€“H activation by platinum(ii) complexes of bis(2-diphenylphosphinophenyl)amide. Chemical Communications, 2005, , 2462. | 4.1 | 70 |
| 11 | Amido Phosphine Complexes of Zinc. Inorganic Chemistry, 2003, 42, 5471-5473. | 4.0 | 55 |
| 12 | Aluminum Complexes Incorporating Bidentate Amido Phosphine Ligands. Inorganic Chemistry, 2004, 43, 2166-2174. | 4.0 | 50 |
| 13 | Cobalt-Catalyzed Selective Hydrogenation of Nitriles to Secondary Imines. Organic Letters, 2018, 20, 6430-6435. | 4.6 | 46 |
| 14 | The synthesis and structures of tantalum complexes that contain a triamido or a diamidoamine ligand. Inorganica Chimica Acta, 1998, 270, 353-362. | 2.4 | 42 |
| 15 | Nickel(II) Complexes Containing Bidentate Diarylamido Phosphine Ligands. Organometallics, 2004, 23, 3538-3547. | 2.3 | 41 |
| 16 | Amido phosphine complexes of zinc: synthesis, structure, and catalytic ring-opening polymerization of Îµ-caprolactone. Dalton Transactions, 2010, 39, 8748. | 3.3 | 40 |
| 17 | Organoaluminium complexes incorporating an amido phosphine chelate with a pendant amine arm. Dalton Transactions, 2005, , 1952. | 3.3 | 37 |
| 18 | Preparation and structural characterization of group 1 metal complexes containing a chelating biphenolato phosphine ligand. Inorganica Chimica Acta, 2007, 360, 136-142. | 2.4 | 37 |

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|---|---|---|---|
| 19 | Synthesis and Structural Characterization of Five-Coordinate Aluminum Complexes Containing Diarylamido Diphosphine Ligands. Inorganic Chemistry, 2009, 48, 5480-5487. | 4.0 | 35 |
| 20 | Alkali Metal Complexes of a tert-Butylphosphine-Bridged Biphenolate Ligand. Organometallics, 2010, 29, 6201-6208. | 2.3 | 35 |
| 21 | Terminal nickel(ii) amide, alkoxide, and thiolate complexes containing amido diphosphine ligands of the type [N(o-C6H4PR2)2]â^' (R = Ph, iPr, Cy). Dalton Transactions, 2008, , 3320. | 3.3 | 33 |
| 22 | Divergent Carbonylation Reactivity Preferences of Nickel Complexes Containing Amido Pincer Ligands: Migratory Insertion versus Reductive Elimination. Organometallics, 2012, 31, 700-708. | 2.3 | 33 |
| 23 | Nickel complexes incorporating an amido phosphine chelate with a pendant amine arm: Synthesis, structure, and catalytic Kumada coupling. Dalton Transactions, 2012, 41, 1381-1388. | 3.3 | 29 |
| 24 | Biphenolate Phosphine Complexes of Group 4 Metals. Inorganic Chemistry, 2007, 46, 2666-2673. | 4.0 | 27 |
| 25 | Group 4 Complexes of atert-Butylphosphine-Bridged Biphenolate Ligand. Inorganic Chemistry, 2011, 50, 3363-3372. | 4.0 | 26 |
| 26 | Syntheses and X-ray structures of some pyrrolylaldiminate metal complexes. Journal of Organometallic Chemistry, 2003, 679, 135-142. | 1.8 | 25 |
| 27 | Titanium Complexes of Tridentate Aminebiphenolate Ligands Containing Distinct N-Alkyls: Profound N-Substituent Effect on Ring-Opening Polymerization Catalysis. Inorganic Chemistry, 2013, 52, 1780-1786. | 4.0 | 25 |
| 28 | Synthesis of Group 4 [(RN-o-C6H4)2O]2â^' complexes where R is SiMe3 or 0.5 Me2SiCH2CH2SiMe2. Journal of Organometallic Chemistry, 1999, 591, 163-173. | 1.8 | 24 |
| 29 | Catalytic Sonogashira couplings mediated by an amido pincer complex of palladium. Inorganic Chemistry Frontiers, 2014, 1, 405. | 6.0 | 23 |
| 30 | Nickel(II) Complexes Containing Bidentate Diarylamido Phosphine Chelates: Kumada Couplings Kinetically Preferred to Î²-Hydrogen Elimination. Organometallics, 2014, 33, 5852-5862. | 2.3 | 23 |
| 31 | Aluminium complexes of bidentate N,O- and N,N-ligands derived from oxidative functionalization of amido phosphines: synthesis, structure and reactivity. Dalton Transactions, 2010, 39, 9941. | 3.3 | 22 |
| 32 | A terminal nickel(ii) anilide complex featuring an unsymmetrically substituted amido pincer ligand: synthesis and reactivity. Dalton Transactions, 2011, 40, 9004. | 3.3 | 21 |
| 33 | Zirconium and Hafnium Complexes Containing Bidentate Diarylamidoâ^'Phosphine Ligands. Inorganic Chemistry, 2005, 44, 5147-5151. | 4.0 | 20 |
| 34 | Biphenolate Phosphine Complexes of Tin(IV). Inorganic Chemistry, 2007, 46, 7587-7593. | 4.0 | 20 |
| 35 | Zirconium and hafnium complexes containing N-alkyl substituted amine biphenolate ligands: coordination chemistry and living ring-opening polymerization catalysis. Dalton Transactions, 2013, 42, 9286. | 3.3 | 20 |
| 36 | Monomeric nickel hydroxide stabilized by a sterically demanding phosphorusâ€"nitrogen PN<sup>3</sup>P-pincer ligand: synthesis, reactivity and catalysis. Dalton Transactions, 2018, 47, 16057-16065. | 3.3 | 20 |

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|---|---|---|---|
| 37 | Fluorinated Diarylamido Complexes of Lithium, Zirconium, and Hafnium. Inorganic Chemistry, 2008, 47, 3298-3306. | 4.0 | 16 |
| 38 | Zirconium complexes containing a diarylamido diphosphine ligand: Structural preferences controlled by ligand electronics and sterics. Journal of Organometallic Chemistry, 2011, 696, 3961-3965. | 1.8 | 16 |
| 39 | Biphenolate Phosphine Complexes of Tantalum. Inorganic Chemistry, 2009, 48, 5697-5703. | 4.0 | 15 |
| 40 | Synthesis, Structure, and Ringâ€Opening Polymerization Catalysis of Zinc Complexes Containing Amido Phosphinimine Ligands. European Journal of Inorganic Chemistry, 2011, 2011, 2948-2957. | 2.0 | 14 |
| 41 | Elusive Scorpionates: C<sub>3</sub>-Symmetric, Formally Dianionic, Facially Tridentate Ligands. Inorganic Chemistry, 2018, 57, 553-556. | 4.0 | 14 |
| 42 | Catalytic Suzuki couplings by an amido pincer complex of palladium. Journal of Organometallic Chemistry, 2016, 804, 30-34. | 1.8 | 13 |
| 43 | Coordination chemistry of a multidentate pyrrolylaldiminate ligand. X-ray crystal structure of double-helical bis-Î¼-[N,Nâ€²-ethylenedi(5-tert-butyl-pyrrol-2-ylaldiminate)]-dimagnesium. Journal of Organometallic Chemistry, 2004, 689, 947-952. | 1.8 | 12 |
| 44 | Lithium complexes of tridentate amine biphenolate ligands containing distinct N-alkyl substituents. Polyhedron, 2013, 52, 1090-1095. | 2.2 | 12 |
| 45 | Aluminum Complexes of Tridentate Amine Biphenolate Ligands Containing Distinct Nâ€alkyls: Synthesis and Catalytic Ringâ€opening Polymerization. Journal of the Chinese Chemical Society, 2013, 60, 710-718. | 1.4 | 12 |
| 46 | Aluminum complexes containing biphenolate phosphine ligands: synthesis and living ring-opening polymerization catalysis. Dalton Transactions, 2016, 45, 15951-15962. | 3.3 | 12 |
| 47 | Zirconium and Hafnium Complexes Containing N-Alkyl-Substituted Amine Biphenolate Ligands: Unexpected Ligand Degradation and Divergent Complex Constitutions Governed by N-Alkyls. Inorganic Chemistry, 2013, 52, 7709-7716. | 4.0 | 11 |
| 48 | Nickel(II) Complexes Containing Bidentate Amido Phosphine Ligands Derived from Î±-Iminophosphorus Ylides:â€‰ Synthesis and Structural Characterization. Inorganic Chemistry, 2008, 47, 749-758. | 4.0 | 10 |
| 49 | Synthesis and Structural Characterization of Zinc Complexes that Contain Chelating Phenolate Phosphane Ligands. European Journal of Inorganic Chemistry, 2012, 2012, 298-305. | 2.0 | 10 |
| 50 | Titanium, hafnium, and tantalum complexes of a potentially triphenolate phosphine ligand that is unexpectedly prone to O-protonation. Polyhedron, 2017, 125, 164-172. | 2.2 | 10 |
| 51 | Synthesis and Structural Characterization of Lithium and Iron Complexes Containing a Chelating Phenolate Phosphane Ligand. European Journal of Inorganic Chemistry, 2011, 2011, 4077-4082. | 2.0 | 9 |
| 52 | Redox-Neutral Imination of Alcohol with Azide: A Sustainable Alternative to the Staudinger/Aza-Wittig Reaction. ACS Catalysis, 2021, 11, 4071-4076. | 11.2 | 9 |
| 53 | Homo- and Heteropolynuclear Clusters of Phosphine Triphenolates. Inorganic Chemistry, 2015, 54, 11526-11534. | 4.0 | 8 |
| 54 | Amido PNP pincer complexes of palladium(II) and platinum(II): Synthesis, structure, and reactivity. Applied Organometallic Chemistry, 2021, 35, e6128. | 3.5 | 5 |

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|---|---|---|---|
| 55 | Amido PNP complexes of iridium: Synthesis and catalytic olefin and alkyne hydrogenation. Journal of the Chinese Chemical Society, 2020, 67, 353-360. | 1.4 | 4 |
| 56 | Enhanced Reactivity of Aluminum Complexes Containing P-Bridged Biphenolate Ligands in Ring-Opening Polymerization Catalysis. Frontiers in Chemistry, 2018, 6, 607. | 3.6 | 3 |
| 57 | Facialâ€“Meridional Isomerization and Reductive Elimination in [(R2P-o-C6H4)2N]PtMe3 (R = Ph, iPr). Inorganic Chemistry, 2021, 60, 15118-15123. | 4.0 | 3 |
| 58 | Chemistry of Anilido Phosphine Complexes of Nickel. Chemistry Letters, 2019, 48, 811-819. | 1.3 | 2 |
| 59 | Facile synthesis of zwitterionic organoaluminum complexes containing formally dianionic homoscorpionate ligands. Journal of the Chinese Chemical Society, 2019, 66, 1078-1089. | 1.4 | 1 |