

# Li-Wen Xu

## List of Publications by Year in descending order

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340  
papers

11,608  
citations

31902

53  
h-index

49773

87  
g-index

417  
all docs

417  
docs citations

417  
times ranked

11199  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Asymmetric catalysis with chiral primary amine-based organocatalysts. <i>Chemical Communications</i> , 2009, , 1807.   | 2.2  | 388       |
| 2  | Copper-on-nitride enhances the stable electrosynthesis of multi-carbon products from CO <sub>2</sub> . <i>Nature Communications</i> , 2018, 9, 3828.   | 5.8  | 279       |
| 3  | Shape-Controlled Synthesis of All-Inorganic CsPbBr <sub>3</sub> Perovskite Nanocrystals with Bright Blue Emission. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 28824-28830.                               | 4.0  | 271       |
| 4  | Nanosilver as a new generation of silver catalysts in organic transformations for efficient synthesis of fine chemicals. <i>Catalysis Science and Technology</i> , 2015, 5, 2554-2574.                                 | 2.1  | 263       |
| 5  | Primary amino acids: privileged catalysts in enantioselective organocatalysis. <i>Organic and Biomolecular Chemistry</i> , 2008, 6, 2047.  | 1.5  | 258       |
| 6  | The recent synthesis and application of silicon-stereogenic silanes: A renewed and significant challenge in asymmetric synthesis. <i>Chemical Society Reviews</i> , 2011, 40, 1777-1790.                               | 18.7 | 215       |
| 7  | Asymmetric Synthesis with Silicon-Based Bulky Amino Organocatalysts. <i>Advanced Synthesis and Catalysis</i> , 2010, 352, 243-279.   | 2.1  | 214       |
| 8  | A Catalytic Enantioselective Aza-Michael Reaction: Novel Protocols for Asymmetric Synthesis of $\beta$ -Amino Carbonyl Compounds. <i>European Journal of Organic Chemistry</i> , 2005, 2005, 633-639.                  | 1.2  | 203       |
| 9  | Prediction of the Solvation and Structural Properties of Ionic Liquids in Water by Two-Dimensional Correlation Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2008, 112, 6411-6419.                            | 1.2  | 200       |
| 10 | Identification of Modular Chiral Bisphosphines Effective for Cu(I)-Catalyzed Asymmetric Allylation and Propargylation of Ketones. <i>Journal of the American Chemical Society</i> , 2010, 132, 6638-6639.              | 6.6  | 174       |
| 11 | A novel and effective Ni complex catalyst system for the coupling reactions of carbon dioxide and epoxides. <i>Chemical Communications</i> , 2003, , 2042.   | 2.2  | 160       |
| 12 | Catalytic synthesis of chiral organoheteroatom compounds of silicon, phosphorus, and sulfur via asymmetric transition metal-catalyzed C-H functionalization. <i>Coordination Chemistry Reviews</i> , 2017, 330, 37-52. | 9.5  | 145       |
| 13 | Asymmetric Michael Addition Mediated by Novel Cinchona Alkaloid-Derived Bifunctional Catalysts Containing Sulfonamides. <i>Organic Letters</i> , 2009, 11, 437-440.  | 2.4  | 141       |
| 14 | Spiro Linkage as an Alternative Strategy for Promising Nonfullerene Acceptors in Organic Solar Cells. <i>Advanced Functional Materials</i> , 2015, 25, 5954-5966.  | 7.8  | 140       |
| 15 | Perovskite solar cells with a DMSO-treated PEDOT:PSS hole transport layer exhibit higher photovoltaic performance and enhanced durability. <i>Nanoscale</i> , 2017, 9, 4236-4243.                                      | 2.8  | 135       |
| 16 | Rational Strategy to Stabilize an Unstable High-Efficiency Binary Nonfullerene Organic Solar Cells with a Third Component. <i>Advanced Energy Materials</i> , 2019, 9, 1900376.  | 10.2 | 132       |
| 17 | Asymmetric Reductive Mannich Reaction to Ketimines Catalyzed by a Cu(I) Complex. <i>Journal of the American Chemical Society</i> , 2008, 130, 16146-16147.   | 6.6  | 123       |
| 18 | Transition-metal-catalyzed transfer carbonylation with HCOOH or HCHO as non-gaseous C1 source. <i>Coordination Chemistry Reviews</i> , 2017, 336, 43-53.   | 9.5  | 119       |

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|----|--|-----|-----------|
| 19 | The Direct Asymmetric Vinylogous Aldol Reaction of Furanones with $\alpha$ -Ketoesters: Access to Chiral $\beta$ -Butenolides and Glycerol Derivatives. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 1861-1864.                                  | 7.2 | 113       |
| 20 | Highly efficient aza-Michael reactions of aromatic amines and N-heterocycles catalyzed by a basic ionic liquid under solvent-free conditions. <i>Tetrahedron Letters</i> , 2006, 47, 7723-7726.  | 0.7 | 106       |
| 21 | Recent Advances in Transition-Metal-Catalyzed Silylations of Arenes with Hydrosilanes: C-X Bond Cleavage or C-H Bond Activation-Synchronized with Si-H Bond Activation. <i>Synthesis</i> , 2015, 47, 3645-3668.  | 1.2 | 105       |
| 22 | Aromatic Amide-Derived Non-Biaryl Atropisomers as Highly Efficient Ligands in Silver-Catalyzed Asymmetric Cycloaddition Reactions. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 5255-5259.   | 7.2 | 104       |
| 23 | A green, ionic liquid and quaternary ammonium salt-catalyzed aza-Michael reaction of $\alpha,\beta$ -ethylenic compounds with amines in water. <i>New Journal of Chemistry</i> , 2004, 28, 183-184.  | 1.4 | 98        |
| 24 | Desymmetrization Catalyzed by Transition-Metal Complexes: Enantioselective Formation of Silicon-Stereogenic Silanes. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 12932-12934.   | 7.2 | 98        |
| 25 | Highly efficient KF/Al <sub>2</sub> O <sub>3</sub> -catalyzed versatile hetero-Michael addition of nitrogen, oxygen, and sulfur nucleophiles to $\alpha,\beta$ -ethylenic compounds. <i>Tetrahedron Letters</i> , 2005, 46, 3279-3282.                           | 0.7 | 89        |
| 26 | Controllable Si-C Bond Activation Enables Stereocontrol in the Palladium-Catalyzed [4+2] Annulation of Cyclopropenes with Benzosilacyclobutanes. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 790-797.   | 7.2 | 89        |
| 27 | Transition Metal Salt-Catalyzed Direct Three-Component Mannich Reactions of Aldehydes, Ketones, and Carbamates: An Efficient Synthesis of N-Protected $\beta$ -Aryl- $\beta$ -Amino Ketone Compounds. <i>Journal of Organic Chemistry</i> , 2004, 69, 8482-8484. | 1.7 | 88        |
| 28 | Copper(I) complex employed in organic light-emitting electrochemical cells: Device and spectra shift. <i>Applied Physics Letters</i> , 2005, 87, 233512.   | 1.5 | 86        |
| 29 | Novel Biginelli-like three-component cyclocondensation reaction: efficient synthesis of 5-unsubstituted 3,4-dihydropyrimidin-2(1H)-ones. <i>Tetrahedron Letters</i> , 2004, 45, 7951-7953.   | 0.7 | 85        |
| 30 | Upconversion Nanocrystals Mediated Lateral-Flow Nanoplatform for <i>in Vitro</i> Detection. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 3497-3504.  | 4.0 | 79        |
| 31 | Transition-Metal-Based Lewis Acid Catalysis of Aza-Type Michael Additions of Amines to $\alpha,\beta$ -Unsaturated Electrophiles in Water. <i>Helvetica Chimica Acta</i> , 2004, 87, 1522-1526.  | 1.0 | 78        |
| 32 | Enantioselective Copper-Catalyzed Azide-Alkyne Click Cycloaddition to Desymmetrization of Maleimide-Based Bis(alkynes). <i>Chemistry - A European Journal</i> , 2015, 21, 554-558.   | 1.7 | 76        |
| 33 | Efficient and mild benzoin condensation reaction catalyzed by simple 1-N-alkyl-3-methylimidazolium salts. <i>Tetrahedron Letters</i> , 2005, 46, 5317-5320.  | 0.7 | 73        |
| 34 | Recent Applications of $\alpha$ -Amido Sulfones as <i>in situ</i> Equivalents of Activated Imines for Asymmetric Catalytic Nucleophilic Addition Reactions. <i>Synthesis</i> , 2010, 2010, 3583-3595.  | 1.2 | 73        |
| 35 | Synthesis of silacyclobutanes and their catalytic transformations enabled by transition-metal complexes. <i>Coordination Chemistry Reviews</i> , 2018, 374, 93-113.  | 9.5 | 73        |
| 36 | Synthesis of bi- and bis-1,2,3-triazoles by copper-catalyzed Huisgen cycloaddition: A family of valuable products by click chemistry. <i>Beilstein Journal of Organic Chemistry</i> , 2015, 11, 2557-2576.   | 1.3 | 72        |

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|----|--|-----|-----------|
| 37 | Comparison of the Blue-Shifted C-H Stretching Vibrations for DMSO-d <sub>6</sub> in Imidazolium-Based Room Temperature Ionic Liquids and in Water. <i>Journal of Physical Chemistry B</i> , 2009, 113, 5978-5984.  | 1.2 | 71        |
| 38 | Design and Control of the Luminescence of Cr <sup>3+</sup> -Doped Phosphors in the Near-Infrared I Region by Fitting the Crystal Field. <i>Crystal Growth and Design</i> , 2018, 18, 3178-3186.  | 1.4 | 69        |
| 39 | The Upconversion Luminescence of Er <sup>3+</sup> /Yb <sup>3+</sup> /Nd <sup>3+</sup> Triply-Doped $\beta$ -NaYF <sub>4</sub> Nanocrystals under 808-nm Excitation. <i>Materials</i> , 2014, 7, 7289-7303.   | 1.3 | 67        |
| 40 | Palladium-catalyzed Si-C bond-forming silylation of aryl iodides with hydrosilanes: an enhanced enantioselective synthesis of silicon-stereogenic silanes by desymmetrization. <i>RSC Advances</i> , 2016, 6, 67113-67117.   | 1.7 | 67        |
| 41 | The Discovery of Multifunctional Chiral P Ligands for the Catalytic Construction of Quaternary Carbon/Silicon and Multiple Stereogenic Centers. <i>Accounts of Chemical Research</i> , 2021, 54, 452-470.  | 7.6 | 67        |
| 42 | Powerful Amino Acid Derived Bifunctional Phosphine Catalysts Bearing a Hydrogen Bond Donor in Asymmetric Synthesis. <i>ChemCatChem</i> , 2013, 5, 2775-2784.   | 1.8 | 63        |
| 43 | Pd-Catalyzed Enantioselective Ring Opening/Cross-Coupling and Cyclopropanation of Cyclobutanones. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 897-901.  | 7.2 | 63        |
| 44 | An efficient and inexpensive catalyst system for the aza-Michael reactions of enones with carbamates. Electronic supplementary information (ESI) available: experimental. See <a href="http://www.rsc.org/suppdata/cc/b3/b307733k/">http://www.rsc.org/suppdata/cc/b3/b307733k/</a> . <i>Chemical Communications</i> , 2003, , 2570. | 2.2 | 62        |
| 45 | Enantioselective Cross-Exchange between C-H and C-C $\sigma$ -Bonds. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 6747-6751.   | 7.2 | 62        |
| 46 | Zn <sup>2+</sup> -selective fluorescent turn-on chemosensor based on terpyridine-substituted siloles. <i>Dyes and Pigments</i> , 2012, 95, 174-179.  | 2.0 | 61        |
| 47 | Enantioselective Rhodium-Catalyzed Desymmetric Hydrosilylation of Cyclopropenes. <i>ACS Catalysis</i> , 2019, 9, 9110-9116.  | 5.5 | 61        |
| 48 | Enantioselective Michael-Type Friedel-Crafts Reactions of Indoles to Enones Catalyzed by a Chiral Camphor-Based Brønsted Acid. <i>European Journal of Organic Chemistry</i> , 2006, 2006, 5225-5227.   | 1.2 | 60        |
| 49 | Supported basic ionic liquid: Highly effective catalyst for the synthesis of 1,2-propylene glycol from hydrolysis of propylene carbonate. <i>Journal of Molecular Catalysis A</i> , 2008, 279, 230-234.  | 4.8 | 59        |
| 50 | Highly efficient phosphine-catalyzed aza-Michael reactions of $\alpha,\beta$ -unsaturated compounds with carbamates in the presence of TMSCl. <i>Tetrahedron Letters</i> , 2004, 45, 4507-4510.  | 0.7 | 58        |
| 51 | Reactions of an Isolable Dialkylsilylene with Carbon Dioxide and Related Heterocumulenes. <i>Organometallics</i> , 2014, 33, 5434-5439.  | 1.1 | 57        |
| 52 | Stereospecific Si-C coupling and remote control of axial chirality by enantioselective palladium-catalyzed hydrosilylation of maleimides. <i>Nature Communications</i> , 2020, 11, 2904.   | 5.8 | 56        |
| 53 | Neighboring Lithium-Assisted [1,2]-Wittig Rearrangement: Practical Access to Diarylmethanol-Based 1,4-Diols and Optically Active BINOL Derivatives with Axial and sp <sup>3</sup> -Central Chirality. <i>Chemistry - A European Journal</i> , 2011, 17, 2698-2703.   | 1.7 | 55        |
| 54 | Enantioselective palladium/copper-catalyzed C-C $\sigma$ -bond activation synergized with Sonogashira-type C(sp <sup>3</sup> ) $\rightarrow$ C(sp) cross-coupling alkynylation. <i>Chemical Science</i> , 2019, 10, 7579-7583.   | 3.7 | 55        |

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|----|---|-----|-----------|
| 55 | Catalytic Silylations of Alcohols: Turning Simple Protecting-Group Strategies into Powerful Enantioselective Synthetic Methods. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 9456-9466.                                 | 7.2 | 54        |
| 56 | Aromatic-Amide-Derived Nonbiaryl Atropisomer as Highly Efficient Ligand for Asymmetric Silver-Catalyzed [3 + 2] Cycloaddition. <i>ACS Catalysis</i> , 2015, 5, 6016-6020.   | 5.5 | 54        |
| 57 | Improving the Quality and Luminescence Performance of All-Inorganic Perovskite Nanomaterials for Light-Emitting Devices by Surface Engineering. <i>Small</i> , 2020, 16, e1907089.  | 5.2 | 54        |
| 58 | Pd-Catalyzed Enantioselective Tandem C=C Bond Activation/Cacchi Reaction between Cyclobutanones and <i>o</i> -Ethylnylanilines. <i>Organic Letters</i> , 2021, 23, 1309-1314.   | 2.4 | 54        |
| 59 | Highly efficient N-Heterocyclic carbene-palladium complex-catalyzed multicomponent carbonylative Suzuki reaction: novel practical synthesis of unsymmetric aryl ketones. <i>Applied Organometallic Chemistry</i> , 2007, 21, 772-776.   | 1.7 | 53        |
| 60 | Cooperative and Enantioselective NbCl <sub>5</sub> /Primary Amine Catalyzed Biginelli Reaction. <i>European Journal of Organic Chemistry</i> , 2010, 2010, 4986-4990.   | 1.2 | 53        |
| 61 | Hydrosilane and bismuth-accelerated palladium catalyzed aerobic oxidative esterification of benzylic alcohols with air. <i>Chemical Communications</i> , 2012, 48, 8592.  | 2.2 | 53        |
| 62 | Highly Efficient p-In Perovskite Solar Cells Utilizing Novel Low-Temperature Solution-Processed Hole Transport Materials with Linear Conjugated Structure. <i>Small</i> , 2016, 12, 4902-4908.  | 5.2 | 53        |
| 63 | Enantioselective synthesis of axially chiral vinyl arenes through palladium-catalyzed C-H olefination. <i>Chemical Communications</i> , 2018, 54, 10706-10709.  | 2.2 | 53        |
| 64 | Efficient catalytic aza-Michael additions of carbamates to enones: revisited dual activation of hard nucleophiles and soft electrophiles by InCl <sub>3</sub> /TMSCl catalyst system. <i>Tetrahedron Letters</i> , 2007, 48, 1599-1603. | 0.7 | 52        |
| 65 | Catalytic Asymmetric trans-Selective Hydrosilylation of Bisalkynes to Access AIE and CPL-Active Silicon-Stereogenic Benzosiloles. <i>IScience</i> , 2020, 23, 101268.   | 1.9 | 52        |
| 66 | Modular Synthesis of BINOL-Phos for Catalytic Asymmetric Alkynylation of Aromatic Aldehydes with Unexpected Reversal of Enantioselectivity. <i>Advanced Synthesis and Catalysis</i> , 2014, 356, 1708-1718.                             | 2.1 | 48        |
| 67 | Pd-Catalyzed Enantioselective Ring Opening/Cross-Coupling and Cyclopropanation of Cyclobutanones. <i>Angewandte Chemie</i> , 2018, 131, 907.  | 1.6 | 47        |
| 68 | Silicon-Based Lewis Acid Assisted Cinchona Alkaloid Catalysis: Highly Enantioselective Aza-Michael Reaction under Solvent-Free Conditions. <i>Organic Letters</i> , 2011, 13, 6508-6511.  | 2.4 | 46        |
| 69 | Synthesis of BINOL Ligands by [1,2]-Wittig Rearrangement to Probe Their Catalytic Activity in 1,2-Addition Reactions of Aldehydes with Grignard Reagents. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 748-755.           | 1.2 | 46        |
| 70 | Co-responsive smart cyclodextrin-gated mesoporous silica nanoparticles with ligand-receptor engagement for anti-cancer treatment. <i>Materials Science and Engineering C</i> , 2019, 103, 109831.                                       | 3.8 | 46        |
| 71 | The first ionic liquids promoted conjugate addition of azide ion to $\alpha,\beta$ -unsaturated carbonyl compounds. <i>Tetrahedron Letters</i> , 2004, 45, 1219-1221.   | 0.7 | 45        |
| 72 | Revealing the Effect of Additives with Different Solubility on the Morphology and the Donor Crystalline Structures of Organic Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 18231-18237.                        | 4.0 | 44        |

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|----|--|-----|-----------|
| 73 | Catalytic Asymmetric Carbonylation of Prochiral Sulfonamides via C-H Desymmetrization. <i>ACS Catalysis</i> , 2019, 9, 1431-1436.  | 5.5 | 44        |
| 74 | Disilanylene-bridged BODIPY-based $\pi$ - $\sigma$ architectures: a novel promising series of NLO chromophores. <i>Chemical Communications</i> , 2018, 54, 8834-8837.  | 2.2 | 43        |
| 75 | Efficient synthesis of chlorohydrins: ionic liquid promoted ring-opening reaction of epoxides and TMSCl. <i>Tetrahedron Letters</i> , 2004, 45, 2435-2438.   | 0.7 | 42        |
| 76 | Is the blue shift of C-H vibration in DMF-water mixture mainly caused by H $\cdots$ O interaction?. <i>Chemical Physics Letters</i> , 2004, 394, 405-409.  | 1.2 | 42        |
| 77 | The methyl C-H blueshift in N,N-dimethylformamide-water mixtures probed by two-dimensional Fourier-transform infrared spectroscopy. <i>Journal of Chemical Physics</i> , 2006, 124, 244502.  | 1.2 | 42        |
| 78 | Development of a Novel Multifunctional N,P Ligand for Highly Enantioselective Palladium-Catalyzed Asymmetric Allylic Etherification of Alcohols and Silanols. <i>Chemistry - A European Journal</i> , 2013, 19, 15452-15457.                   | 1.7 | 42        |
| 79 | Modifying the Crystal Field of CsPbCl <sub>3</sub> :Mn <sup>2+</sup> Nanocrystals by Co-doping to Enhance Its Red Emission by a Hundredfold. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 30711-30719.                            | 4.0 | 41        |
| 80 | New silver(I)-monophosphine complex derived from chiral Ar-BINMOL: synthesis and catalytic activity in asymmetric vinylogous Mannich reaction. <i>Tetrahedron</i> , 2013, 69, 8777-8784.   | 1.0 | 39        |
| 81 | Enantioselective direct fluorination and chlorination of cyclic $\beta$ -ketoesters mediated by phase-transfer catalysts. <i>Tetrahedron Letters</i> , 2013, 54, 2623-2626.  | 0.7 | 39        |
| 82 | Highly diastereoselective and enantioselective direct Michael addition of phthalide derivatives to nitroolefins. <i>Chemical Communications</i> , 2013, 49, 5775.  | 2.2 | 39        |
| 83 | Palladium-catalyzed hydrosilylation of ynones to access silicon-stereogenic silylenones by stereospecific aromatic interaction-assisted Si-H activation. <i>Science China Chemistry</i> , 2021, 64, 761-769.                                   | 4.2 | 39        |
| 84 | Multifunctional P-ligand-controlled $\alpha$ -silicon-centered selectivity in Rh/Cu-catalyzed Si-C bond cleavage of silacyclobutanes. <i>Organic Chemistry Frontiers</i> , 2021, 8, 6577-6584.   | 2.3 | 39        |
| 85 | A method for the synthesis of 2-oxazolidinones and 2-imidazolidinones from five-membered cyclic carbonates and $\beta$ -aminoalcohols or 1,2-diamines. <i>Green Chemistry</i> , 2007, 9, 369-372.  | 4.6 | 38        |
| 86 | Heteropoly acids: a green and efficient heterogeneous Brønsted acidic catalyst for the intermolecular hydroamination of olefins. <i>Tetrahedron Letters</i> , 2008, 49, 2882-2885.   | 0.7 | 38        |
| 87 | Copper-Catalyzed Huisgen and Oxidative Huisgen Coupling Reactions Controlled by Polysiloxane-Supported Amines (AFPs) for the Divergent Synthesis of Triazoles and Bistriazoles. <i>Chemistry - A European Journal</i> , 2012, 18, 14094-14099. | 1.7 | 38        |
| 88 | Lewis-Base-Mediated Diastereoselective Silylations of Alcohols: Synthesis of Silicon-Stereogenic Dialkoxysilanes Controlled by Chiral Aryl BINMOLs. <i>Chemistry - an Asian Journal</i> , 2017, 12, 1730-1735.                                 | 1.7 | 38        |
| 89 | Direct asymmetric Mannich reaction of phthalides: facile access to chiral substituted isoquinolines and isoquinolinones. <i>Chemical Communications</i> , 2012, 48, 4707.  | 2.2 | 37        |
| 90 | Ar-BINMOLs with Axial and $sp^3$ Central Chirality - Characterization, Chiroptical Properties, and Application in Asymmetric Catalysis. <i>European Journal of Organic Chemistry</i> , 2011, 2011, 5039-5046.                                  | 1.2 | 36        |

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|-----|---|-----|-----------|
| 91  | Molecular Assembly of an Achiral Phosphine and a Chiral Primary Amine: A Highly Efficient Supramolecular Catalyst for the Enantioselective Michael Reaction of Aldehydes with Maleimides. <i>Chemistry - an Asian Journal</i> , 2013, 8, 1182-1190. | 1.7 | 36        |
| 92  | Privilege Ynone Synthesis via Palladium-Catalyzed Alkynylation of $\alpha$ -Super-Active Esters. <i>Organic Letters</i> , 2015, 17, 3298-3301.  | 2.4 | 36        |
| 93  | A $\lambda^5$ -Camphor-Based Schiff Base as a Highly Efficient N,P Ligand for Enantioselective Palladium-Catalyzed Allylic Substitutions. <i>ChemCatChem</i> , 2016, 8, 1495-1499.  | 1.8 | 36        |
| 94  | Asymmetric Michael Addition of Aldimino Esters with Chalcones Catalyzed by Silver/Xing-Phos: Mechanism-Oriented Divergent Synthesis of Chiral Pyrrolines. <i>Chemistry - A European Journal</i> , 2016, 22, 10399-10404.                            | 1.7 | 36        |
| 95  | Catalytic Asymmetric Huisgen Alkyne-Azide Cycloaddition of Bisalkynes by Copper(I) Nanoparticles. <i>ChemCatChem</i> , 2018, 10, 280-286.   | 1.8 | 36        |
| 96  | Polymer-Supported Ionic-Liquid-Catalyzed Synthesis of 1,2,3,4-Tetrahydro-2-oxopyrimidine-5-carboxylates via Biginelli Reaction. <i>Helvetica Chimica Acta</i> , 2005, 88, 986-989.  | 1.0 | 35        |
| 97  | Highly enantioselective synthesis of warfarin and its analogs by means of cooperative LiClO <sub>4</sub> /DPEN-catalyzed Michael reaction: enantioselectivity enhancement and mechanism. <i>Tetrahedron</i> , 2010, 66, 9708-9713.                  | 1.0 | 35        |
| 98  | Chiral Ar-BINMOL-derived salan as fluorescent sensor for recognition of CuCl and cascade discrimination of $\beta$ -amino acids. <i>Tetrahedron Letters</i> , 2013, 54, 1584-1588.  | 0.7 | 35        |
| 99  | Modulation of Multifunctional N,O,P Ligands for Enantioselective Copper-Catalyzed Conjugate Addition of Diethylzinc and Trapping of the Zinc Enolate. <i>Chemistry - an Asian Journal</i> , 2013, 8, 2242-2253.                                     | 1.7 | 35        |
| 100 | Enantioselective Fluorination of $\beta$ -Ketoamides Catalyzed by Ar-BINMOL-derived Salan-Copper Complex. <i>Advanced Synthesis and Catalysis</i> , 2014, 356, 3769-3776.   | 2.1 | 35        |
| 101 | Efficient Coupling Reactions of Arylalkynes and Aldehydes Leading to the Synthesis of Enones. <i>Helvetica Chimica Acta</i> , 2004, 87, 3080-3084.  | 1.0 | 34        |
| 102 | Iron-catalyzed Michael reactions revisited: a synthetically useful process for the preparation of tri-carbonyl compounds and chiral warfarin. <i>Tetrahedron Letters</i> , 2010, 51, 3836-3839.   | 0.7 | 34        |
| 103 | Recyclable Tertiary Amine Modified Diarylprolinol Ether as Aminocatalyst for the Sequential Asymmetric Synthesis of Functionalized Cyclohexanes and Chromenes. <i>European Journal of Organic Chemistry</i> , 2011, 2011, 5031-5038.                | 1.2 | 34        |
| 104 | Probing the evolution of an Ar-BINMOL-derived salen-Cu(III) complex for asymmetric Henry reactions of aromatic aldehydes: salen-Cu(II) versus salen-Cu(III) catalysis. <i>RSC Advances</i> , 2014, 4, 37859.  | 1.7 | 34        |
| 105 | Silole-containing poly(silylenevinylene)s: Synthesis, characterization, aggregation-enhanced emission, and explosive detection. <i>Journal of Polymer Science Part A</i> , 2012, 50, 2265-2274.   | 2.5 | 33        |
| 106 | A Total Synthesis of Paeoveitol. <i>Organic Letters</i> , 2016, 18, 3698-3701.  | 2.4 | 33        |
| 107 | Novel Brønsted acid-catalyzed Michael-type Friedel-Crafts reactions of indoles and acetalization of aldehydes. <i>Journal of Molecular Catalysis A</i> , 2006, 249, 129-134.  | 4.8 | 32        |
| 108 | Noyori's Ts-DPEN ligand: an efficient bifunctional primary amine-based organocatalyst in enantio- and diastereoselective Michael addition of 1,3-dicarbonyl indane compounds to nitroolefins. <i>Tetrahedron Letters</i> , 2008, 49, 6773-6777.     | 0.7 | 32        |

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|-----|--|-----|-----------|
| 109 | Modulation of Silver-Titania Nanoparticles on Polymethylhydrosiloxane-based Semi-Interpenetrating Networks for Catalytic Alkynylation of Trifluoromethyl Ketones and Aromatic Aldehydes in Water. <i>ChemCatChem</i> , 2014, 6, 580-591.                       | 1.8 | 32        |
| 110 | Dual Amine- and Brønsted Acid-Catalyzed $\alpha$ -Allylic Alkylation of Aldehydes. <i>Advanced Synthesis and Catalysis</i> , 2010, 352, 1441-1445.   | 2.1 | 31        |
| 111 | Fei-Phos ligand-controlled asymmetric palladium-catalyzed allylic substitutions with structurally diverse nucleophiles: scope and limitations. <i>RSC Advances</i> , 2016, 6, 45495-45502.   | 1.7 | 31        |
| 112 | Tao-Phos-controlled desymmetrization of succinimide-based bisalkynes via asymmetric copper-catalyzed Huisgen alkyne-azide click cycloaddition: substrate scope and mechanism. <i>RSC Advances</i> , 2016, 6, 58698-58708.                                      | 1.7 | 31        |
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