

Liang Wu

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Enantioselective and Diastereodivergent Synthesis of Spirocycles through Dual-Metal-Catalyzed [3+2] Annulation of 2-Vinyloxiranes with Nucleophilic Dipoles. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 24941-24949.	13.8	110
2	Pd(II)-Catalyzed Asymmetric Addition of Arylboronic Acids to Isatin-Derived Ketimines. <i>Organic Letters</i> , 2016, 18, 288-291.	4.6	74
3	Ni(II)-catalyzed asymmetric alkenylations of ketimines. <i>Nature Communications</i> , 2018, 9, 2258.	12.8	60
4	Palladium-Catalyzed Aerobic Aminooxygenation of Alkenes for Preparation of Isoindolinones. <i>Organic Letters</i> , 2015, 17, 5566-5569.	4.6	59
5	Cobalt-Catalyzed Asymmetric Allylation of Cyclic Ketimines. <i>Chemistry - A European Journal</i> , 2018, 24, 1241-1245.	3.3	42
6	Woven Polymer Networks via the Topological Transformation of a [2]Catenane. <i>Journal of the American Chemical Society</i> , 2020, 142, 14343-14349.	13.7	37
7	Palladium-Catalyzed Addition of Arylboronic Acids to <i>para</i> -Quinone Methides for Preparation of Diarylacetates. <i>Advanced Synthesis and Catalysis</i> , 2017, 359, 1028-1036.	4.3	29
8	Enantioselective and Diastereodivergent Synthesis of Spirocycles through Dual-Metal-Catalyzed [3+2] Annulation of 2-Vinyloxiranes with Nucleophilic Dipoles. <i>Angewandte Chemie</i> , 2021, 133, 25145-25153.	2.0	28
9	Thiophene Derivative as a High Electrochemical Active Anode Material for Sodium-Ion Batteries: The Effect of Backbone Sulfur. <i>Chemistry of Materials</i> , 2018, 30, 8426-8430.	6.7	25
10	Copper (II)/RuPHOX-Catalyzed Enantioselective Mannich-Type Reaction of Glycine Schiff Bases with Cyclic Ketimines. <i>Advanced Synthesis and Catalysis</i> , 2018, 360, 4625-4633.	4.3	25
11	Enthalpy-change driven synthesis of high-entropy perovskite nanoparticles. <i>Nano Research</i> , 2022, 15, 4867-4872.	10.4	25
12	Predicting Thermodynamic Properties of Alkanes by High-Throughput Force Field Simulation and Machine Learning. <i>Journal of Chemical Information and Modeling</i> , 2018, 58, 2502-2516.	5.4	23
13	A Co(II)-catalyzed asymmetric ring opening reaction of spiro-epoxyoxindoles with allylboron. <i>Organic Chemistry Frontiers</i> , 2020, 7, 862-867.	4.5	22
14	Orientational ordering and phase behaviour of binary mixtures of hard spheres and hard spherocylinders. <i>Journal of Chemical Physics</i> , 2015, 143, 044906.	3.0	21
15	A Transferrable Coarse-Grained Force Field for Simulations of Polyethers and Polyether Blends. <i>Macromolecules</i> , 2019, 52, 249-261.	4.8	21
16	Ni-Catalyzed Enantioconvergent Coupling of Epoxides with Alkenylboronic Acids: Construction of Oxindoles Bearing Quaternary Carbons. <i>CCS Chemistry</i> , 2020, 2, 623-631.	7.8	21
17	Extracting the mechanisms and kinetic models of complex reactions from atomistic simulation data. <i>Journal of Computational Chemistry</i> , 2019, 40, 1586-1592.	3.3	20
18	Reshaping the Cathodic Catalyst Layer for Anion Exchange Membrane Fuel Cells: From Heterogeneous Catalysis to Homogeneous Catalysis. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 4049-4054.	13.8	19

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19	Understanding and Describing the Liquid-Crystalline States of Polypeptide Solutions: A Coarse-Grained Model of PBLG in DMF. <i>Macromolecules</i> , 2014, 47, 1482-1493.	4.8	15
20	Metal-Tannin Coordination Assembly Route to Nanostructured High-Entropy Oxide Perovskites with Abundant Defects. <i>Chemistry of Materials</i> , 2022, 34, 1746-1755.	6.7	14
21	Demixing, surface nematization, and competing adsorption in binary mixtures of hard rods and hard spheres under confinement. <i>Journal of Chemical Physics</i> , 2018, 148, 164701.	3.0	13
22	Multifunctional Catalyst CuS for Nonaqueous Rechargeable Lithium-Oxygen Batteries. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 50065-50075.	8.0	13
23	Monte Carlo simulation of vapor-liquid equilibrium and critical asymmetry of square-well dimer fluid. <i>Journal of Chemical Physics</i> , 2012, 136, 214508.	3.0	11
24	Improved renormalization group theory for critical asymmetry of fluids. <i>Journal of Chemical Physics</i> , 2013, 139, 124103.	3.0	11
25	On accuracy of predicting densities and solubility parameters of polymers using atomistic simulations. <i>Molecular Simulation</i> , 2017, 43, 510-518.	2.0	10
26	Cholesteric ordering predicted using a coarse-grained polymeric model with helical interactions. <i>Soft Matter</i> , 2018, 14, 344-353.	2.7	10
27	Liquid Crystal Phase Behaviour of Attractive Disc-Like Particles. <i>International Journal of Molecular Sciences</i> , 2013, 14, 16414-16442.	4.1	8
28	All-atom and coarse-grained force fields for polydimethylsiloxane. <i>Molecular Simulation</i> , 2017, 43, 1513-1522.	2.0	8
29	Manipulation of cholesteric liquid crystal phase behavior and molecular assembly by molecular chirality. <i>Physical Review E</i> , 2019, 100, 022703.	2.1	8
30	Solvent-free synthesis of N-doped carbon-based catalyst for high-efficient reduction of 4-nitrophenol. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105649.	6.7	8
31	Critical asymmetry in renormalization group theory for fluids. <i>Journal of Chemical Physics</i> , 2013, 138, 234502.	3.0	7
32	Deciphering Single-Bacterium Adhesion Behavior Modulated by Extracellular Electron Transfer. <i>Nano Letters</i> , 2021, 21, 5105-5115.	9.1	5
33	Efficient Electrocatalytic Upgradation of Furan-Based Biomass: Key Roles of a Two-Dimensional Mesoporous Poly(m-phenylenediamine)-Graphene Heterostructure and a Ternary Electrolyte. <i>Macromolecules</i> , 0, , .	4.8	5
34	Ni-Catalyzed Enantioconvergent Coupling of Epoxides with Alkenylboronic Acids: Construction of Oxindoles Bearing Quaternary Carbons. <i>CCS Chemistry</i> , 2020, 2, 623-631.	7.8	4
35	Prediction of self-assemblies of sodium dodecyl sulfate and fragrance additives using coarse-grained force fields. <i>Journal of Molecular Modeling</i> , 2017, 23, 211.	1.8	3
36	Reshaping the Cathodic Catalyst Layer for Anion Exchange Membrane Fuel Cells: From Heterogeneous Catalysis to Homogeneous Catalysis. <i>Angewandte Chemie</i> , 2021, 133, 4095-4100.	2.0	2

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37	Frontispiece: Cobalt-Catalyzed Asymmetric Allylation of Cyclic Ketimines. Chemistry - A European Journal, 2018, 24, .	3.3	0
38	Coarse-Grained Force Fields Built on Atomistic Force Fields. Molecular Modeling and Simulation, 2021, , 143-180.	0.2	0
39	A New Parameterization of an All-Atom Force Field for Cellulose. Jom, 2021, 73, 2335-2346.	1.9	0