

# Liang Wu

## List of Publications by Year in descending order

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Version: 2024-02-01

39  
papers

816  
citations

430874

18  
h-index

526287

27  
g-index

41  
all docs

41  
docs citations

41  
times ranked

823  
citing authors

#	ARTICLE	IF	CITATIONS
1	Enthalpy-change driven synthesis of high-entropy perovskite nanoparticles. <i>Nano Research</i> , 2022, 15, 4867-4872.	10.4	25
2	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
3	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
4	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
5	Coarse-Grained Force Fields Built on Atomistic Force Fields. <i>Molecular Modeling and Simulation</i> , 2021, , 143-180.	0.2	0
6	A New Parameterization of an All-Atom Force Field for Cellulose. <i>Jom</i> , 2021, 73, 2335-2346.	1.9	0
7	Deciphering Single-Bacterium Adhesion Behavior Modulated by Extracellular Electron Transfer. <i>Nano Letters</i> , 2021, 21, 5105-5115.	9.1	5
8	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
9	Enantio- 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
10	Enantio- 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
11	Multifunctional Catalyst CuS for Nonaqueous Rechargeable Lithium-Oxygen Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 50065-50075.	8.0	13
12	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
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	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
15	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
16	Manipulation of cholesteric liquid crystal phase behavior and molecular assembly by molecular chirality. <i>Physical Review E</i> , 2019, 100, 022703.	2.1	8
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	A Transferrable Coarse-Grained Force Field for Simulations of Polyethers and Polyether Blends. <i>Macromolecules</i> , 2019, 52, 249-261.	4.8	21

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19	Frontispiece: Cobalt-Catalyzed Asymmetric Allylation of Cyclic Ketimines. Chemistry - A European Journal, 2018, 24, .	3.3	0
20	Cholesteric ordering predicted using a coarse-grained polymeric model with helical interactions. Soft Matter, 2018, 14, 344-353.	2.7	10
21	Cobalt-Catalyzed Asymmetric Allylation of Cyclic Ketimines. Chemistry - A European Journal, 2018, 24, 1241-1245.	3.3	42
22	Thiophene Derivative as a High Electrochemical Active Anode Material for Sodium-Ion Batteries: The Effect of Backbone Sulfur. Chemistry of Materials, 2018, 30, 8426-8430.	6.7	25
23	Predicting Thermodynamic Properties of Alkanes by High-Throughput Force Field Simulation and Machine Learning. Journal of Chemical Information and Modeling, 2018, 58, 2502-2516.	5.4	23
24	Demixing, surface nematization, and competing adsorption in binary mixtures of hard rods and hard spheres under confinement. Journal of Chemical Physics, 2018, 148, 164701.	3.0	13
25	Copper (II)/RuPHOX-Catalyzed Enantioselective Mannich-Type Reaction of Glycine Schiff Bases with Cyclic Ketimines. Advanced Synthesis and Catalysis, 2018, 360, 4625-4633.	4.3	25
26	Ni(II)-catalyzed asymmetric alkenylations of ketimines. Nature Communications, 2018, 9, 2258.	12.8	60
27	On accuracy of predicting densities and solubility parameters of polymers using atomistic simulations. Molecular Simulation, 2017, 43, 510-518.	2.0	10
28	Palladium-Catalyzed Addition of Arylboronic Acids to <i>para</i> -Quinone Methides for Preparation of Diarylacetates. Advanced Synthesis and Catalysis, 2017, 359, 1028-1036.	4.3	29
29	All-atom and coarse-grained force fields for polydimethylsiloxane. Molecular Simulation, 2017, 43, 1513-1522.	2.0	8
30	Prediction of self-assemblies of sodium dodecyl sulfate and fragrance additives using coarse-grained force fields. Journal of Molecular Modeling, 2017, 23, 211.	1.8	3
31	Pd(II)-Catalyzed Asymmetric Addition of Arylboronic Acids to Isatin-Derived Ketimines. Organic Letters, 2016, 18, 288-291.	4.6	74
32	Palladium-Catalyzed Aerobic Aminooxygenation of Alkenes for Preparation of Isoindolinones. Organic Letters, 2015, 17, 5566-5569.	4.6	59
33	Orientalional ordering and phase behaviour of binary mixtures of hard spheres and hard spherocylinders. Journal of Chemical Physics, 2015, 143, 044906.	3.0	21
34	Understanding and Describing the Liquid-Crystalline States of Polypeptide Solutions: A Coarse-Grained Model of PBLG in DMF. Macromolecules, 2014, 47, 1482-1493.	4.8	15
35	Improved renormalization group theory for critical asymmetry of fluids. Journal of Chemical Physics, 2013, 139, 124103.	3.0	11
36	Critical asymmetry in renormalization group theory for fluids. Journal of Chemical Physics, 2013, 138, 234502.	3.0	7

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37	Liquid Crystal Phase Behaviour of Attractive Disc-Like Particles. International Journal of Molecular Sciences, 2013, 14, 16414-16442.	4.1	8
38	Monte Carlo simulation of vapor-liquid equilibrium and critical asymmetry of square-well dimer fluid. Journal of Chemical Physics, 2012, 136, 214508.	3.0	11
39	Efficient Electrocatalytic Upgradation of Furan-Based Biomass: Key Roles of a Two-Dimensional Mesoporous Poly(m-phenylenediamine)-Graphene Heterostructure and a Ternary Electrolyte. Macromolecules, 0, , .	4.8	5