

Xunshan Liu

List of Publications by Year in descending order

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38
papers

865
citations

516561

16
h-index

501076

28
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38
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docs citations

38
times ranked

1398
citing authors

#	ARTICLE	IF	CITATIONS
1	Gating of Quantum Interference in Molecular Junctions by Heteroatom Substitution. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 173-176.	7.2	120
2	Bottom-up Synthesis of Nitrogen-Doped Porous Graphene Nanoribbons. <i>Journal of the American Chemical Society</i> , 2020, 142, 12568-12573.	6.6	97
3	Novel D π -A organic dyes based on triphenylamine and indole-derivatives for high performance dye-sensitized solar cells. <i>Journal of Power Sources</i> , 2014, 248, 400-406.	4.0	74
4	Control of Reactivity and Regioselectivity for On-Surface Dehydrogenative Aryl-Aryl Bond Formation. <i>Journal of the American Chemical Society</i> , 2016, 138, 5585-5593.	6.6	67
5	Robust graphene-based molecular devices. <i>Nature Nanotechnology</i> , 2019, 14, 957-961.	15.6	50
6	Self-Assembled Molecular-Electronic Films Controlled by Room Temperature Quantum Interference. <i>CheM</i> , 2019, 5, 474-484.	5.8	45
7	Design of High-Performance Organic Light-Emitting Transistors. <i>ACS Omega</i> , 2020, 5, 68-74.	1.6	32
8	Synergy between Photoluminescence and Charge Transport Achieved by Finely Tuning Polymeric Backbones for Efficient Light-Emitting Transistor. <i>Journal of the American Chemical Society</i> , 2021, 143, 5239-5246.	6.6	31
9	Donor-Acceptor Properties of a Single-Molecule Altered by On-Surface Complex Formation. <i>ACS Nano</i> , 2017, 11, 8413-8420.	7.3	30
10	On-Surface Synthesis of Nitrogen-Doped Kagome Graphene. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 8370-8375.	7.2	26
11	Gating of Quantum Interference in Molecular Junctions by Heteroatom Substitution. <i>Angewandte Chemie</i> , 2017, 129, 179-182.	1.6	22
12	Foldable semi-ladder polymers: novel aggregation behavior and high-performance solution-processed organic light-emitting transistors. <i>Chemical Science</i> , 2020, 11, 11315-11321.	3.7	22
13	Synthesis and photovoltaic properties of conjugated side chains polymers with different electron-withdrawing and donating end groups. <i>Journal of Polymer Science Part A</i> , 2012, 50, 3848-3858.	2.5	21
14	BODIPY-Containing Polymers with Ultralow Band Gaps and Ambipolar Charge Mobilities. <i>Macromolecules</i> , 2020, 53, 2014-2020.	2.2	18
15	Synthesis and photovoltaic properties of copolymers based on benzo[1,2-b:4,5-b']dithiophene and thiazole with different conjugated side groups. <i>Polymer Chemistry</i> , 2013, 4, 4737.	1.9	17
16	Probing Lewis acid-base interactions in single-molecule junctions. <i>Nanoscale</i> , 2018, 10, 18131-18134.	2.8	17
17	Highly Emissive Semi-Ladder-Type Copolymers, Aggregation State, and Solution-Processed Organic Light-Emitting Transistor. <i>Chemistry of Materials</i> , 2020, 32, 4672-4680.	3.2	17
18	Crystallization of a Two-Dimensional Hydrogen-Bonded Molecular Assembly: Evolution of the Local Structure Resolved by Atomic Force Microscopy. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 10786-10790.	7.2	16

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19	Effect of conjugated side groups on the photovoltaic performances of triphenylamine-based dyes sensitized solar cells. <i>Dyes and Pigments</i> , 2016, 124, 222-231.	2.0	15
20	Stimuli-responsive NLO properties of tetrathiafulvalene-fused donor-acceptor chromophores. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 22573-22579.	1.3	14
21	Overcoming Steric Hindrance in Aryl-Aryl Homocoupling via On-Surface Copolymerization. <i>ChemPhysChem</i> , 2019, 20, 2360-2366.	1.0	14
22	Dipole Moment and Polarizability of Tunable Intramolecular Charge Transfer States in Heterocyclic π -Conjugated Molecular Dyads Determined by Computational and Stark Spectroscopic Study. <i>Journal of Physical Chemistry C</i> , 2018, 122, 9346-9355.	1.5	13
23	Sequential Bending and Twisting around C-C Single Bonds by Mechanical Lifting of a Pre-Adsorbed Polymer. <i>Nano Letters</i> , 2020, 20, 652-657.	4.5	12
24	Dirac-cone induced gating enhancement in single-molecule field-effect transistors. <i>Nanoscale</i> , 2019, 11, 13117-13125.	2.8	11
25	Photoinduced cationic polycondensation in solid state towards ultralow band gap conjugated polymers. <i>Journal of Materials Chemistry C</i> , 2020, 8, 7026-7033.	2.7	10
26	Exploiting Cooperative Catalysis for the On-Surface Synthesis of Linear Heteroaromatic Polymers via Selective C-H Activation. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	10
27	Synthesis and photovoltaic properties of organic small molecules containing triphenylamine and benzothiadiazole moieties with different terminal groups. <i>Dyes and Pigments</i> , 2013, 98, 464-470.	2.0	8
28	Low-Dimensional Tin(II) Iodide Perovskite Structures Templated by an Aromatic Heterocyclic Cation. <i>Crystal Growth and Design</i> , 2016, 16, 5230-5237.	1.4	8
29	Synthesis and photovoltaic properties of two new unsymmetrical zinc-phthalocyanine dyes. <i>Synthetic Metals</i> , 2012, 162, 2316-2321.	2.1	6
30	Crystallization of a Two-Dimensional Hydrogen-Bonded Molecular Assembly: Evolution of the Local Structure Resolved by Atomic Force Microscopy. <i>Angewandte Chemie</i> , 2017, 129, 10926-10930.	1.6	5
31	Flexible Superlubricity Unveiled in Sidewinding Motion of Individual Polymeric Chains. <i>Physical Review Letters</i> , 2022, 128, .	2.9	5
32	Self-Assembly and Magnetic Order of Bi-Molecular 2D Spin Lattices of M(II,III) Phthalocyanines on Au(111). <i>Magnetochemistry</i> , 2021, 7, 119.	1.0	4
33	Finely Designed P3HT-Based Fully Conjugated Graft Polymer: Optical Measurements, Morphology, and the Faraday Effect. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 30856-30861.	4.0	3
34	Exploiting Cooperative Catalysis for the On-surface Synthesis of Linear Heteroaromatic Polymers via Selective C-H Activation. <i>Angewandte Chemie</i> , 0, , .	1.6	2
35	Donor-Acceptor Conjugated Copolymers Containing Transition-Metal Complex: Intrachain Magnetic Exchange Interactions and Magneto-Optical Activity. <i>Chemistry of Materials</i> , 0, , .	3.2	2
36	On-Surface Synthesis of Nitrogen-Doped Kagome Graphene. <i>Angewandte Chemie</i> , 2021, 133, 8451-8456.	1.6	1

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37	Frontispiz: On-Surface Synthesis of Nitrogen-Doped Kagome Graphene. <i>Angewandte Chemie</i> , 2021, 133, .	1.6	0
38	Frontispiece: On-Surface Synthesis of Nitrogen-Doped Kagome Graphene. <i>Angewandte Chemie - International Edition</i> , 2021, 60, .	7.2	0