Haoran Wang

List of Publications by Year
in descending order

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27	908	516710 16	526287 27
papers	citations	h-index	g-index

27	27	27	914
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Bending, Curling, Rolling, and Salient Behavior of Molecular Crystals Driven by [2+2] Cycloaddition of a Styrylbenzoxazole Derivative. Angewandte Chemie - International Edition, 2017, 56, 9463-9467.	13.8	147
2	How to Manipulate Through-Space Conjugation and Clusteroluminescence of Simple AIEgens with Isolated Phenyl Rings. Journal of the American Chemical Society, 2021, 143, 9565-9574.	13.7	97
3	â€œLivingâ€•luminogens: light driven ACQ-to-AIE transformation accompanied with solid-state actuation. Materials Horizons, 2020, 7, 1566-1572.	12.2	71
4	In Situ Fabricated Quasiâ€Solid Polymer Electrolyte for Highâ€Energyâ€Density Lithium Metal Battery Capable of Subzero Operation. Advanced Energy Materials, 2022, 12, 2102932.	19.5	69
5	Efficient Flexible Inorganic Perovskite Light-Emitting Diodes Fabricated with CsPbBr₃ Emitters Prepared via Low-Temperature in Situ Dynamic Thermal Crystallization. Nano Letters, 2020, 20, 4673-4680.	9.1	55
6	Visualization and Manipulation of Solid-State Molecular Motions in Cocrystallization Processes. Journal of the American Chemical Society, 2021, 143, 9468-9477.	13.7	52
7	A green and one-pot synthesis of benzo[g]chromene derivatives through a multi-component reaction catalyzed by lipase. RSC Advances, 2015, 5, 5213-5216.	3.6	49
8	Low-temperature remote plasma enhanced atomic layer deposition of ZrO2/zircone nanolaminate film for efficient encapsulation of flexible organic light-emitting diodes. Scientific Reports, 2017, 7, 40061.	3.3	47
9	Enzyme catalytic promiscuity: lipase catalyzed synthesis of substituted 2H-chromenes by a three-component reaction. RSC Advances, 2014, 4, 25633.	3.6	38
10	Bending, Curling, Rolling, and Salient Behavior of Molecular Crystals Driven by [2+2] Cycloaddition of a Styrylbenzoxazole Derivative. Angewandte Chemie, 2017, 129, 9591-9595.	2.0	38
11	Positive/Negative Phototropism: Controllable Molecular Actuators with Different Bending Behavior. CCS Chemistry, 2021, 3, 1491-1500.	7.8	27
12	Effect of Various Oxidants on Reaction Mechanisms, Selfâ€Limiting Natures and Structural Characteristics of Al₂O₃ Films Grown by Atomic Layer Deposition. Advanced Materials Interfaces, 2018, 5, 1701248.	3.7	26
13	Lipase catalyzed synthesis of 3,3â€²-(arylmethylene)bis(2-hydroxynaphthalene-1,4-dione). RSC Advances, 2014, 4, 35686-35689.	3.6	23
14	Unusual light-driven amplification through unexpected regioselective photogeneration of five-membered azaheterocyclic AIEgen. Chemical Science, 2021, 12, 709-717.	7.4	23
15	Fluorine as a robust balancer for tuning the reactivity of topo-photoreactions of chalcones and the photomechanical effects of molecular crystals. CrystEngComm, 2021, 23, 5856-5868.	2.6	21
16	Surface Functionalization of a Graphene Cathode to Facilitate ALD Growth of an Electron Transport Layer and Realize High-Performance Flexible Perovskite Solar Cells. ACS Applied Energy Materials, 2020, 3, 4208-4216.	5.1	18
17	Multiple short pulse process for low-temperature atomic layer deposition and its transient steric hindrance. Applied Physics Letters, 2019, 114, .	3.3	17
18	An efficient condensation of substituted salicylaldehyde and malononitrile catalyzed by lipase under microwave irradiation. RSC Advances, 2015, 5, 57122-57126.	3.6	15

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19	Thermoâ€Induced Singleâ€Crystalâ€toâ€Singleâ€Crystal Transformations and Photoâ€Induced [2+2] Cycloaddition Reactions in Polymorphs of Chalconeâ€Based Molecular Crystals: Multiâ€Stimuli Responsive Actuators. Chemistry - A European Journal, 2021, 27, 17960-17969.	3.3	12
20	Diarylethene-based xerogels: the fabrication of more entangled networks driven by isomerization and acidofluorochromism. Organic and Biomolecular Chemistry, 2018, 16, 2114-2124.	2.8	11
21	Three primary color (cyan/magenta/yellow) switchable electrochromic devices based on PEDOT:PSS and â€˜electrobase/electroacidâ€™ theory. New Journal of Chemistry, 2019, 43, 8410-8413.	2.8	11
22	Highly Conductive Alkalineâ€Earth Metal Electrodes: The Possibility of Maintaining Both Low Work Function and Surface Stability for Organic Electronics. Advanced Optical Materials, 2020, 8, 2000206.	7.3	11
23	Atomic Layer Deposition: Effect of Various Oxidants on Reaction Mechanisms, Selfâ€Limiting Natures and Structural Characteristics of Al₂O₃ Films Grown by Atomic Layer Deposition (Adv. Mater. Interfaces 14/2018). Advanced Materials Interfaces, 2018, 5, 1870070.	3.7	9
24	A new method for the enamination of 1,3-dicarbonyl compounds catalyzed by laccase in water. RSC Advances, 2014, 4, 19512-19515.	3.6	8
25	A Novel Nucleation Inducer for Ultrathin Au Anodes in High Efficiency and Flexible Organic Optoelectronic Devices. Advanced Optical Materials, 2020, 8, 1901320.	7.3	8
26	Screening, Identification, and Characterization of an Affinity Peptide Specific to MT1-MMP and Its Application in Tumor Imaging. Bioconjugate Chemistry, 2019, 30, 1507-1517.	3.6	3
27	The Cut-Off Phenomenon Effect on ZrO₂ Growth Using Remote Plasma-Enhanced Atomic Layer Deposition. Journal of Physical Chemistry C, 2017, 121, 4714-4719.	3.1	2