

Haoran Wang

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	In Situ Fabricated Quasi-Solid Polymer Electrolyte for High-Energy-Density Lithium Metal Battery Capable of Subzero Operation. <i>Advanced Energy Materials</i> , 2022, 12, 2102932.	19.5	69
2	Unusual light-driven amplification through unexpected regioselective photogeneration of five-membered azaheterocyclic AIEgen. <i>Chemical Science</i> , 2021, 12, 709-717.	7.4	23
3	Fluorine as a robust balancer for tuning the reactivity of topo-photoreactions of chalcones and the photomechanical effects of molecular crystals. <i>CrystEngComm</i> , 2021, 23, 5856-5868.	2.6	21
4	Positive/Negative Phototropism: Controllable Molecular Actuators with Different Bending Behavior. <i>CCS Chemistry</i> , 2021, 3, 1491-1500.	7.8	27
5	Visualization and Manipulation of Solid-State Molecular Motions in Cocrystallization Processes. <i>Journal of the American Chemical Society</i> , 2021, 143, 9468-9477.	13.7	52
6	How to Manipulate Through-Space Conjugation and Clusteroluminescence of Simple AIEgens with Isolated Phenyl Rings. <i>Journal of the American Chemical Society</i> , 2021, 143, 9565-9574.	13.7	97
7	Thermo-Induced Single-Crystal-to-Single-Crystal Transformations and Photo-Induced [2+2] Cycloaddition Reactions in Polymorphs of Chalcone-Based Molecular Crystals: Multi-Stimuli Responsive Actuators. <i>Chemistry - A European Journal</i> , 2021, 27, 17960-17969.	3.3	12
8	A Novel Nucleation Inducer for Ultrathin Au Anodes in High Efficiency and Flexible Organic Optoelectronic Devices. <i>Advanced Optical Materials</i> , 2020, 8, 1901320.	7.3	8
9	Highly Conductive Alkaline-Earth Metal Electrodes: The Possibility of Maintaining Both Low Work Function and Surface Stability for Organic Electronics. <i>Advanced Optical Materials</i> , 2020, 8, 2000206.	7.3	11
10	Efficient Flexible Inorganic Perovskite Light-Emitting Diodes Fabricated with CsPbBr ₃ Emitters Prepared via Low-Temperature In Situ Dynamic Thermal Crystallization. <i>Nano Letters</i> , 2020, 20, 4673-4680.	9.1	55
11	Living Luminogens: light driven ACQ-to-AIE transformation accompanied with solid-state actuation. <i>Materials Horizons</i> , 2020, 7, 1566-1572.	12.2	71
12	Surface Functionalization of a Graphene Cathode to Facilitate ALD Growth of an Electron Transport Layer and Realize High-Performance Flexible Perovskite Solar Cells. <i>ACS Applied Energy Materials</i> , 2020, 3, 4208-4216.	5.1	18
13	Multiple short pulse process for low-temperature atomic layer deposition and its transient steric hindrance. <i>Applied Physics Letters</i> , 2019, 114, .	3.3	17
14	Three primary color (cyan/magenta/yellow) switchable electrochromic devices based on PEDOT:PSS and "electrobase/electroacid"™ theory. <i>New Journal of Chemistry</i> , 2019, 43, 8410-8413.	2.8	11
15	Screening, Identification, and Characterization of an Affinity Peptide Specific to MT1-MMP and Its Application in Tumor Imaging. <i>Bioconjugate Chemistry</i> , 2019, 30, 1507-1517.	3.6	3
16	Diarylethene-based xerogels: the fabrication of more entangled networks driven by isomerization and acidofluorochromism. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 2114-2124.	2.8	11
17	Effect of Various Oxidants on Reaction Mechanisms, Self-Limiting Natures and Structural Characteristics of Al ₂ O ₃ Films Grown by Atomic Layer Deposition. <i>Advanced Materials Interfaces</i> , 2018, 5, 1701248.	3.7	26
18	Atomic Layer Deposition: Effect of Various Oxidants on Reaction Mechanisms, Self-Limiting Natures and Structural Characteristics of Al ₂ O ₃ Films Grown by Atomic Layer Deposition (Adv. Mater. Interfaces 14/2018). <i>Advanced Materials Interfaces</i> , 2018, 5, 1870070.	3.7	9

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19	Low-temperature remote plasma enhanced atomic layer deposition of ZrO ₂ /zirconium nanolaminate film for efficient encapsulation of flexible organic light-emitting diodes. <i>Scientific Reports</i> , 2017, 7, 40061.	3.3	47
20	The Cut-Off Phenomenon Effect on ZrO ₂ Growth Using Remote Plasma-Enhanced Atomic Layer Deposition. <i>Journal of Physical Chemistry C</i> , 2017, 121, 4714-4719.	3.1	2
21	Bending, Curling, Rolling, and Salient Behavior of Molecular Crystals Driven by [2+2] Cycloaddition of a Styrylbenzoxazole Derivative. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 9463-9467.	13.8	147
22	Bending, Curling, Rolling, and Salient Behavior of Molecular Crystals Driven by [2+2] Cycloaddition of a Styrylbenzoxazole Derivative. <i>Angewandte Chemie</i> , 2017, 129, 9591-9595.	2.0	38
23	An efficient condensation of substituted salicylaldehyde and malononitrile catalyzed by lipase under microwave irradiation. <i>RSC Advances</i> , 2015, 5, 57122-57126.	3.6	15
24	A green and one-pot synthesis of benzo[<i>g</i>]chromene derivatives through a multi-component reaction catalyzed by lipase. <i>RSC Advances</i> , 2015, 5, 5213-5216.	3.6	49
25	Lipase catalyzed synthesis of 3,3'-bis(arylmethylene)bis(2-hydroxynaphthalene-1,4-dione). <i>RSC Advances</i> , 2014, 4, 35686-35689.	3.6	23
26	A new method for the enamination of 1,3-dicarbonyl compounds catalyzed by laccase in water. <i>RSC Advances</i> , 2014, 4, 19512-19515.	3.6	8
27	Enzyme catalytic promiscuity: lipase catalyzed synthesis of substituted 2H-chromenes by a three-component reaction. <i>RSC Advances</i> , 2014, 4, 25633.	3.6	38