

Lin Jing

List of Publications by Year in descending order

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34
papers

1,638
citations

331670

21
h-index

377865

34
g-index

34
all docs

34
docs citations

34
times ranked

2579
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermal Camouflaging MXene Robotic Skin with Bio-Inspired Stimulus Sensation and Wireless Communication. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	39
2	2D-Material-integrated hydrogels as multifunctional protective skins for soft robots. <i>Materials Horizons</i> , 2021, 8, 2065-2078.	12.2	31
3	Metal Ion-Induced Assembly of MXene Aerogels via Biomimetic Microtextures for Electromagnetic Interference Shielding, Capacitive Deionization, and Microsupercapacitors. <i>Advanced Energy Materials</i> , 2021, 11, 2101494.	19.5	61
4	Wireless Detection of Biogenic Amines Using a Split-Ring Resonator with Silver Nanoparticles-Decorated Molybdenum Disulfide. <i>Sensors and Actuators B: Chemical</i> , 2021, 343, 130155.	7.8	17
5	Boron nanosheets induced microstructure and charge transfer tailoring in carbon nanofibrous mats towards highly efficient water splitting. <i>Nano Energy</i> , 2021, 88, 106246.	16.0	15
6	Recent advances in integration of 2D materials with soft matter for multifunctional robotic materials. <i>Materials Horizons</i> , 2020, 7, 54-70.	12.2	55
7	Reversible Crumpling of 2D Titanium Carbide (MXene) Nanocoatings for Stretchable Electromagnetic Shielding and Wearable Wireless Communication. <i>Advanced Functional Materials</i> , 2020, 30, 1907451.	14.9	155
8	Multigenerational Crumpling of 2D Materials for Anticounterfeiting Patterns with Deep Learning Authentication. <i>Matter</i> , 2020, 3, 2160-2180.	10.0	26
9	Wireless $Ti_3C_2T_x$ MXene Strain Sensor with Ultrahigh Sensitivity and Designated Working Windows for Soft Exoskeletons. <i>ACS Nano</i> , 2020, 14, 11860-11875.	14.6	99
10	Multifunctional soft machines based on stimuli-responsive hydrogels: from freestanding hydrogels to smart integrated systems. <i>Materials Today Advances</i> , 2020, 8, 100088.	5.2	67
11	Heterogeneous, 3D Architecturing of 2D Titanium Carbide (MXene) for Microdroplet Manipulation and Voice Recognition. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 8392-8402.	8.0	44
12	Carbon nanotube-integrated conductive hydrogels as multifunctional robotic skin. <i>Carbon</i> , 2020, 161, 784-793.	10.3	85
13	Multi-interface engineering of solar evaporation devices via scalable, synchronous thermal shrinkage and foaming. <i>Nano Energy</i> , 2020, 74, 104875.	16.0	57
14	Mechanochemical engineering of 2D materials for multiscale biointerfaces. <i>Journal of Materials Chemistry B</i> , 2019, 7, 6293-6309.	5.8	17
15	Multifunctional metallic backbones for origami robotics with strain sensing and wireless communication capabilities. <i>Science Robotics</i> , 2019, 4, .	17.6	53
16	Supercompressible Coaxial Carbon Nanotube@Graphene Arrays with Invariant Viscoelasticity over ~ 100 to 500°C in Ambient Air. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 9688-9695.	8.0	10
17	Scalable Production of Few-Layer Boron Sheets by Liquid-Phase Exfoliation and Their Superior Supercapacitive Performance. <i>ACS Nano</i> , 2018, 12, 1262-1272.	14.6	177
18	Large-Area Atomic Layers of the Charge-Density-Wave Conductor $TiSe_2$. <i>Advanced Materials</i> , 2018, 30, 1704382.	21.0	60

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19	Engineering of High-Density Thin-Layer Graphite Foam-Based Composite Architectures with Superior Compressibility and Excellent Electromagnetic Interference Shielding Performance. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 41707-41716.	8.0	55
20	Wafer-Scale Vertically Aligned Carbon Nanotubes Locked by In Situ Hydrogelation toward Strengthening Static and Dynamic Compressive Responses. <i>Macromolecular Materials and Engineering</i> , 2018, 303, 1800024.	3.6	6
21	Concentric and Spiral Few-Layer Graphene: Growth Driven by Interfacial Nucleation vs Screw Dislocation. <i>Chemistry of Materials</i> , 2018, 30, 6858-6866.	6.7	21
22	Concentric dopant segregation in CVD-grown N-doped graphene single crystals. <i>Applied Surface Science</i> , 2018, 454, 121-129.	6.1	5
23	Smoothing of wrinkles in CVD-grown hexagonal boron nitride films. <i>Nanoscale</i> , 2018, 10, 16243-16251.	5.6	15
24	Thermal Conductivity Enhancement of Coaxial Carbon@Boron Nitride Nanotube Arrays. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 14555-14560.	8.0	35
25	Biocompatible Hydroxylated Boron Nitride Nanosheets/Poly(vinyl alcohol) Interpenetrating Hydrogels with Enhanced Mechanical and Thermal Responses. <i>ACS Nano</i> , 2017, 11, 3742-3751.	14.6	191
26	Composition-controlled synthesis and tunable optical properties of ternary boron carbonitride nanotubes. <i>RSC Advances</i> , 2017, 7, 12511-12517.	3.6	14
27	The Electrochemical Response of Single Crystalline Copper Nanowires to Atmospheric Air and Aqueous Solution. <i>Small</i> , 2017, 13, 1603411.	10.0	15
28	Multifunctional and highly compressive cross-linker-free sponge based on reduced graphene oxide and boron nitride nanosheets. <i>Chemical Engineering Journal</i> , 2017, 328, 825-833.	12.7	30
29	Tuning electro-optic susceptibility via strain engineering in artificial PZT multilayer films for high-performance broadband modulator. <i>Applied Surface Science</i> , 2017, 425, 1059-1065.	6.1	8
30	Improved synthesis and growth of graphene oxide for field effect transistor biosensors. <i>Biomedical Microdevices</i> , 2016, 18, 61.	2.8	6
31	Coaxial carbon@boron nitride nanotube arrays with enhanced thermal stability and compressive mechanical properties. <i>Nanoscale</i> , 2016, 8, 11114-11122.	5.6	30
32	Trimethylamine Borane: A New Single-Source Precursor for Monolayer h-BN Single Crystals and h-BCN Thin Films. <i>Chemistry of Materials</i> , 2016, 28, 2180-2190.	6.7	62
33	Facile Synthesis of Millimeter-Scale Vertically Aligned Boron Nitride Nanotube Forests by Template-Assisted Chemical Vapor Deposition. <i>Chemistry of Materials</i> , 2015, 27, 7156-7163.	6.7	47
34	Optical and electro-optic anisotropy of epitaxial PZT thin films. <i>Applied Physics Letters</i> , 2015, 107, .	3.3	30