

Chongyang Zhu

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Ultrathin Bismuth Nanosheets for Stable Na-Ion Batteries: Clarification of Structure and Phase Transition by in Situ Observation. <i>Nano Letters</i> , 2019, 19, 1118-1123.	9.1	124
2	Ultrafast Preparation of Black Phosphorus Quantum Dots for Efficient Humidity Sensing. <i>Chemistry - A European Journal</i> , 2016, 22, 7357-7362.	3.3	114
3	Scalable shear-exfoliation of high-quality phosphorene nanoflakes with reliable electrochemical cycleability in nano batteries. <i>2D Materials</i> , 2016, 3, 025005.	4.4	66
4	Visualizing the Electrochemical Lithiation/Delithiation Behaviors of Black Phosphorus by in Situ Transmission Electron Microscopy. <i>Journal of Physical Chemistry C</i> , 2016, 120, 5861-5868.	3.1	65
5	Solution-Processed Halide Perovskite Single Crystals with Intrinsic Compositional Gradients for X-ray Detection. <i>Chemistry of Materials</i> , 2020, 32, 4973-4983.	6.7	59
6	Probing microstructure and phase evolution of Fe-MoO_3 nanobelts for sodium-ion batteries by in situ transmission electron microscopy. <i>Nano Energy</i> , 2016, 27, 447-456.	16.0	58
7	All electrochemical fabrication of MoS_2 /graphene counter electrodes for efficient dye-sensitized solar cells. <i>RSC Advances</i> , 2016, 6, 34546-34552.	3.6	50
8	Raman Spectral Band Oscillations in Large Graphene Bubbles. <i>Physical Review Letters</i> , 2018, 120, 186104.	7.8	43
9	In situ visualization of sodium transport and conversion reactions of FeS_2 nanotubes made by morphology engineering. <i>Nano Energy</i> , 2019, 60, 424-431.	16.0	41
10	Identifying the Conversion Mechanism of NiCo_2O_4 during Sodiation/Desodiation Cycling by In Situ TEM. <i>Advanced Functional Materials</i> , 2017, 27, 1606163.	14.9	39
11	Nitrogen-doped carbon onions encapsulating metal alloys as efficient and stable catalysts for dye-sensitized solar cells. <i>Journal of Power Sources</i> , 2016, 303, 159-167.	7.8	38
12	Defect-Laden MoSe_2 Quantum Dots Made by Turbulent Shear Mixing as Enhanced Electrocatalysts. <i>Small</i> , 2017, 13, 1700565.	10.0	31
13	Wrinkle networks in exfoliated multilayer graphene and other layered materials. <i>Carbon</i> , 2020, 156, 24-30.	10.3	23
14	Deeply Exploring Anisotropic Evolution toward Large-Scale Growth of Monolayer ReS_2 . <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 2862-2870.	8.0	21
15	Unveiling the microscopic origin of asymmetric phase transformations in (de)sodiated Sb_2Se_3 with in situ transmission electron microscopy. <i>Nano Energy</i> , 2020, 77, 105299.	16.0	20
16	In Situ Visualization of Structural Evolution and Fissure Breathing in (De)lithiated $\text{H}_2\text{V}_3\text{O}_8$ Nanorods. <i>ACS Energy Letters</i> , 2019, 4, 2081-2090.	17.4	19
17	Ultrafast electrochemical preparation of graphene/CoS nanosheet counter electrodes for efficient dye-sensitized solar cells. <i>RSC Advances</i> , 2015, 5, 85822-85830.	3.6	16
18	In Situ Visualization of Interfacial Sodium Transport and Electrochemistry between Few-Layer Phosphorene. <i>Small Methods</i> , 2019, 3, 1900061.	8.6	15

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19	Solution-assisted ultrafast transfer of graphene-based thin films for solar cells and humidity sensors. <i>Nanotechnology</i> , 2017, 28, 134004.	2.6	14
20	Lattice-resolution visualization of anisotropic sodiation degrees and revelation of sodium storage mechanisms in todorokite-type MnO ₂ with in-situ TEM. <i>Energy Storage Materials</i> , 2021, 37, 345-353.	18.0	11
21	An Interdigital Capacitive Humidity Sensor With Layered Black Phosphorus Flakes as a Sensing Material. <i>IEEE Sensors Journal</i> , 2019, 19, 11007-11013.	4.7	10
22	Modification of the Interlayer Coupling and Chemical Reactivity of Multilayer Graphene through Wrinkle Engineering. <i>Chemistry of Materials</i> , 2021, 33, 2506-2515.	6.7	10