

# Chongyang Zhu

## List of Publications by Year in descending order

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22  
papers

887  
citations

516710

16  
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677142

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22  
docs citations

22  
times ranked

1869  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Lattice-resolution visualization of anisotropic sodiation degrees and revelation of sodium storage mechanisms in todorokite-type MnO <sub>2</sub> with in-situ TEM. <i>Energy Storage Materials</i> , 2021, 37, 345-353.	18.0	11
3	Wrinkle networks in exfoliated multilayer graphene and other layered materials. <i>Carbon</i> , 2020, 156, 24-30.	10.3	23
4	Deeply Exploring Anisotropic Evolution toward Large-Scale Growth of Monolayer ReS <sub>2</sub> . <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 2862-2870.	8.0	21
5	Unveiling the microscopic origin of asymmetric phase transformations in (de)sodiated Sb <sub>2</sub> Se <sub>3</sub> with in situ transmission electron microscopy. <i>Nano Energy</i> , 2020, 77, 105299.	16.0	20
6	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
7	In Situ Visualization of Structural Evolution and Fissure Breathing in (De)lithiated H <sub>2</sub> V <sub>3</sub> O <sub>8</sub> Nanorods. <i>ACS Energy Letters</i> , 2019, 4, 2081-2090.	17.4	19
8	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
9	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
10	In Situ Visualization of Interfacial Sodium Transport and Electrochemistry between Few-Layer Phosphorene. <i>Small Methods</i> , 2019, 3, 1900061.	8.6	15
11	In situ visualization of sodium transport and conversion reactions of FeS <sub>2</sub> nanotubes made by morphology engineering. <i>Nano Energy</i> , 2019, 60, 424-431.	16.0	41
12	Raman Spectral Band Oscillations in Large Graphene Bubbles. <i>Physical Review Letters</i> , 2018, 120, 186104.	7.8	43
13	Solution-assisted ultrafast transfer of graphene-based thin films for solar cells and humidity sensors. <i>Nanotechnology</i> , 2017, 28, 134004.	2.6	14
14	Defect-Laden MoSe <sub>2</sub> Quantum Dots Made by Turbulent Shear Mixing as Enhanced Electrocatalysts. <i>Small</i> , 2017, 13, 1700565.	10.0	31
15	Identifying the Conversion Mechanism of NiCo <sub>2</sub> O <sub>4</sub> during Sodiation/Desodiation Cycling by In Situ TEM. <i>Advanced Functional Materials</i> , 2017, 27, 1606163.	14.9	39
16	All electrochemical fabrication of MoS <sub>2</sub> /graphene counter electrodes for efficient dye-sensitized solar cells. <i>RSC Advances</i> , 2016, 6, 34546-34552.	3.6	50
17	Probing microstructure and phase evolution of $\hat{\Gamma}$ -MoO <sub>3</sub> nanobelts for sodium-ion batteries by in situ transmission electron microscopy. <i>Nano Energy</i> , 2016, 27, 447-456.	16.0	58
18	Ultrafast Preparation of Black Phosphorus Quantum Dots for Efficient Humidity Sensing. <i>Chemistry - A European Journal</i> , 2016, 22, 7357-7362.	3.3	114

#	ARTICLE	IF	CITATIONS
19	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
20	Visualizing the Electrochemical Lithiation/Delithiation Behaviors of Black Phosphorus by <i>in Situ</i> Transmission Electron Microscopy. <i>Journal of Physical Chemistry C</i> , 2016, 120, 5861-5868.	3.1	65
21	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
22	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