

# Chen Wang

## List of Publications by Year in descending order

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25  
papers

4,696  
citations

471509

17  
h-index

677142

22  
g-index

25  
all docs

25  
docs citations

25  
times ranked

9056  
citing authors

#	ARTICLE	IF	CITATIONS
1	Influence of Magnetic Moment on Single Atom Catalytic Activation Energy Barriers. <i>Catalysis Letters</i> , 2022, 152, 1347-1357.	2.6	6
2	Sensitive pressure sensors based on conductive microstructured air-gap gates and two-dimensional semiconductor transistors. <i>Nature Electronics</i> , 2020, 3, 59-69.	26.0	150
3	Double-negative-index ceramic aerogels for thermal superinsulation. <i>Science</i> , 2019, 363, 723-727.	12.6	429
4	Scalable synthesis of gyroid-inspired freestanding three-dimensional graphene architectures. <i>Nanoscale Advances</i> , 2019, 1, 3870-3882.	4.6	17
5	One-Step Synthesis of Au/SnO <sub>2</sub> /RGO Nanocomposites and Their VOC Sensing Properties. <i>IEEE Nanotechnology Magazine</i> , 2018, 17, 212-219.	2.0	144
6	Monolayer atomic crystal molecular superlattices. <i>Nature</i> , 2018, 555, 231-236.	27.8	323
7	Stability of Multilayered Ag/Ag <sub>3</sub> Sn/Sn Films Noncyanide Electroplated for high-reflective back-electrode. , 2018, , .		0
8	Solution-processable 2D semiconductors for high-performance large-area electronics. <i>Nature</i> , 2018, 562, 254-258.	27.8	644
9	Quantum interference mediated vertical molecular tunneling transistors. <i>Science Advances</i> , 2018, 4, eaat8237.	10.3	64
10	Abnormal Synergetic Effect of Organic and Halide Ions on the Stability and Optoelectronic Properties of a Mixed Perovskite via In Situ Characterizations. <i>Advanced Materials</i> , 2018, 30, e1801562.	21.0	55
11	Three-dimensional holey-graphene/niobia composite architectures for ultrahigh-rate energy storage. <i>Science</i> , 2017, 356, 599-604.	12.6	1,229
12	Donor-acceptor single cocrystal of coronene and perylene diimide: molecular self-assembly and charge-transfer photoluminescence. <i>RSC Advances</i> , 2017, 7, 2382-2387.	3.6	34
13	Nanoplates: Synthesis of 2D Layered Bi <sub>2</sub> S <sub>3</sub> Nanoplates, Bi <sub>2</sub> S <sub>3</sub> /WSe <sub>2</sub> van der Waals Heterostructures and Their Electronic, Optoelectronic Properties ( <i>Small</i> 38/2017). <i>Small</i> , 2017, 13, .	10.0	2
14	Synthesis of 2D Layered Bi <sub>2</sub> S <sub>3</sub> Nanoplates, Bi <sub>2</sub> S <sub>3</sub> /WSe <sub>2</sub> van der Waals Heterostructures and Their Electronic, Optoelectronic Properties. <i>Small</i> , 2017, 13, 1701034.	10.0	59
15	Enhanced electrical characteristics of black phosphorus by polyaniline and protonic acid surface doping. , 2017, , .		1
16	γ radiation induced self-assembly of fluorescent molecules into nanofibers: a stimuli-responsive sensing. <i>Journal of Materials Chemistry C</i> , 2015, 3, 4345-4351.	5.5	21
17	Electric-field-induced strong enhancement of electroluminescence in multilayer molybdenum disulfide. <i>Nature Communications</i> , 2015, 6, 7509.	12.8	132
18	Cosolvent Approach for Solution-Processable Electronic Thin Films. <i>ACS Nano</i> , 2015, 9, 4398-4405.	14.6	63

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19	Lateral epitaxial growth of two-dimensional layered semiconductor heterojunctions. Nature Nanotechnology, 2014, 9, 1024-1030.	31.5	1,056
20	Board-like dibenzo[fg,op]naphthalenes: synthesis, characterization, self-assembly, and liquid crystallinity. Journal of Materials Chemistry C, 2013, 1, 5833.	5.5	15
21	Microwave absorbing properties and magnetic properties of different carbon nanotubes. Science in China Series D: Earth Sciences, 2009, 52, 227-231.	0.9	31
22	Graphene sheets from worm-like exfoliated graphite. Journal of Materials Chemistry, 2009, 19, 3367.	6.7	189
23	A new method to obtain Cu films with lower resistivity and higher interface adhesion on different substrates. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 1995, 13, 481-484.	2.1	10
24	Polycrystalline AlN films of fine crystallinity prepared by ion-beam assisted deposition. Applied Physics Letters, 1993, 62, 2790-2791.	3.3	22
25	The Effect of CU Intermediate Layer made by IBAD on the CU Surface Film of Gun Evaporation. Materials Research Society Symposia Proceedings, 1992, 279, 763.	0.1	0