

# Chen Wang

## List of Publications by Year in descending order

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Version: 2024-02-01

25  
papers

4,696  
citations

471061

17  
h-index

676716

22  
g-index

25  
all docs

25  
docs citations

25  
times ranked

9056  
citing authors

#	ARTICLE	IF	CITATIONS
1	Three-dimensional holey-graphene/niobia composite architectures for ultrahigh-rate energy storage. <i>Science</i> , 2017, 356, 599-604.	6.0	1,229
2	Lateral epitaxial growth of two-dimensional layered semiconductor heterojunctions. <i>Nature Nanotechnology</i> , 2014, 9, 1024-1030.	15.6	1,056
3	Solution-processable 2D semiconductors for high-performance large-area electronics. <i>Nature</i> , 2018, 562, 254-258.	13.7	644
4	Double-negative-index ceramic aerogels for thermal superinsulation. <i>Science</i> , 2019, 363, 723-727.	6.0	429
5	Monolayer atomic crystal molecular superlattices. <i>Nature</i> , 2018, 555, 231-236.	13.7	323
6	Graphene sheets from worm-like exfoliated graphite. <i>Journal of Materials Chemistry</i> , 2009, 19, 3367.	6.7	189
7	Sensitive pressure sensors based on conductive microstructured air-gap gates and two-dimensional semiconductor transistors. <i>Nature Electronics</i> , 2020, 3, 59-69.	13.1	150
8	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.	1.1	144
9	Electric-field-induced strong enhancement of electroluminescence in multilayer molybdenum disulfide. <i>Nature Communications</i> , 2015, 6, 7509.	5.8	132
10	Quantum interference mediated vertical molecular tunneling transistors. <i>Science Advances</i> , 2018, 4, eaat8237.	4.7	64
11	Cosolvent Approach for Solution-Processable Electronic Thin Films. <i>ACS Nano</i> , 2015, 9, 4398-4405.	7.3	63
12	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.	5.2	59
13	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.	11.1	55
14	Donor-acceptor single cocrystal of coronene and perylene diimide: molecular self-assembly and charge-transfer photoluminescence. <i>RSC Advances</i> , 2017, 7, 2382-2387.	1.7	34
15	Microwave absorbing properties and magnetic properties of different carbon nanotubes. <i>Science in China Series D: Earth Sciences</i> , 2009, 52, 227-231.	0.9	31
16	Polycrystalline AlN films of fine crystallinity prepared by ion-beam assisted deposition. <i>Applied Physics Letters</i> , 1993, 62, 2790-2791.	1.5	22
17	<sup>60</sup> Co radiation induced self-assembly of fluorescent molecules into nanofibers: a stimuli-responsive sensing. <i>Journal of Materials Chemistry C</i> , 2015, 3, 4345-4351.	2.7	21
18	Scalable synthesis of gyroid-inspired freestanding three-dimensional graphene architectures. <i>Nanoscale Advances</i> , 2019, 1, 3870-3882.	2.2	17

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19	Board-like dibenzo[fg,op]naphthalenes: synthesis, characterization, self-assembly, and liquid crystallinity. <i>Journal of Materials Chemistry C</i> , 2013, 1, 5833.	2.7	15
20	A new method to obtain Cu films with lower resistivity and higher interface adhesion on different substrates. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 1995, 13, 481-484.	0.9	10
21	Influence of Magnetic Moment on Single Atom Catalytic Activation Energy Barriers. <i>Catalysis Letters</i> , 2022, 152, 1347-1357.	1.4	6
22	Nanoplates: Synthesis of 2D Layered Bi <sub>3</sub> Nanoplates, Bi <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, .	5.2	2
23	Enhanced electrical characteristics of black phosphorus by polyaniline and protonic acid surface doping. , 2017, , .		1
24	The Effect of CU Intermediate Layer made by IBAD on the CU Surface Film of Eâ€“Gun Evaporation. <i>Materials Research Society Symposia Proceedings</i> , 1992, 279, 763.	0.1	0
25	Stability of Multilayered Ag/Ag <sup>3</sup> /Sn/Sn Films Noncyanide Electroplated for high-reflective back-electrode. , 2018, , .		0