

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	Three-dimensional holey-graphene/niobia composite architectures for ultrahigh-rate energy storage. <i>Science</i> , 2017, 356, 599-604.	12.6	1,229
2	Lateral epitaxial growth of two-dimensional layered semiconductor heterojunctions. <i>Nature Nanotechnology</i> , 2014, 9, 1024-1030.	31.5	1,056
3	Solution-processable 2D semiconductors for high-performance large-area electronics. <i>Nature</i> , 2018, 562, 254-258.	27.8	644
4	Double-negative-index ceramic aerogels for thermal superinsulation. <i>Science</i> , 2019, 363, 723-727.	12.6	429
5	Monolayer atomic crystal molecular superlattices. <i>Nature</i> , 2018, 555, 231-236.	27.8	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.	26.0	150
8	One-Step Synthesis of Au/SnO ₂ /RGO Nanocomposites and Their VOC Sensing Properties. <i>IEEE Nanotechnology Magazine</i> , 2018, 17, 212-219.	2.0	144
9	Electric-field-induced strong enhancement of electroluminescence in multilayer molybdenum disulfide. <i>Nature Communications</i> , 2015, 6, 7509.	12.8	132
10	Quantum interference mediated vertical molecular tunneling transistors. <i>Science Advances</i> , 2018, 4, eaat8237.	10.3	64
11	Cosolvent Approach for Solution-Processable Electronic Thin Films. <i>ACS Nano</i> , 2015, 9, 4398-4405.	14.6	63
12	Synthesis of 2D Layered Bi ₂ S ₃ Nanoplates, Bi ₂ S ₃ /WSe ₂ van der Waals Heterostructures and Their Electronic, Optoelectronic Properties. <i>Small</i> , 2017, 13, 1701034.	10.0	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.	21.0	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.	3.6	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.	3.3	22
17	⁶⁰ 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.	5.5	21
18	Scalable synthesis of gyroid-inspired freestanding three-dimensional graphene architectures. <i>Nanoscale Advances</i> , 2019, 1, 3870-3882.	4.6	17

#	ARTICLE	IF	CITATIONS
19	Board-like dibenzo[fg,op]naphthalenes: synthesis, characterization, self-assembly, and liquid crystallinity. <i>Journal of Materials Chemistry C</i> , 2013, 1, 5833.	5.5	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.	2.1	10
21	Influence of Magnetic Moment on Single Atom Catalytic Activation Energy Barriers. <i>Catalysis Letters</i> , 2022, 152, 1347-1357.	2.6	6
22	Nanoplates: Synthesis of 2D Layered Bi ₃ Nanoplates, Bi ₃ /WSe ₂ van der Waals Heterostructures and Their Electronic, Optoelectronic Properties (<i>Small</i> 38/2017). <i>Small</i> , 2017, 13, .	10.0	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 ³ /Sn/Sn Films Noncyanide Electroplated for high-reflective back-electrode. , 2018, , .		0