

Hong Wang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5836682/publications.pdf>

Version: 2024-02-01

27
papers

4,003
citations

394286

19
h-index

526166

27
g-index

27
all docs

27
docs citations

27
times ranked

7522
citing authors

#	ARTICLE	IF	CITATIONS
1	A library of atomically thin metal chalcogenides. <i>Nature</i> , 2018, 556, 355-359.	13.7	1,225
2	Room-temperature ferroelectricity in CuInP2S6 ultrathin flakes. <i>Nature Communications</i> , 2016, 7, 12357.	5.8	637
3	Controllable Synthesis of Submillimeter Single-Crystal Monolayer Graphene Domains on Copper Foils by Suppressing Nucleation. <i>Journal of the American Chemical Society</i> , 2012, 134, 3627-3630.	6.6	347
4	Two-dimensional heterostructures: fabrication, characterization, and application. <i>Nanoscale</i> , 2014, 6, 12250-12272.	2.8	323
5	High-quality monolayer superconductor NbSe2 grown by chemical vapour deposition. <i>Nature Communications</i> , 2017, 8, 394.	5.8	290
6	MoS ₂ /TiO ₂ Edge-On Heterostructure for Efficient Photocatalytic Hydrogen Evolution. <i>Advanced Energy Materials</i> , 2016, 6, 1600464.	10.2	264
7	Periodic Organic-Inorganic Halide Perovskite Microplatelet Arrays on Silicon Substrates for Room-Temperature Lasing. <i>Advanced Science</i> , 2016, 3, 1600137.	5.6	121
8	Lightweight, Superelastic Boron Nitride/Polydimethylsiloxane Foam as Air Dielectric Substitute for Multifunctional Capacitive Sensor Applications. <i>Advanced Functional Materials</i> , 2020, 30, 1909604.	7.8	117
9	Controlled Synthesis of Organic/Inorganic van der Waals Solid for Tunable Light-Matter Interactions. <i>Advanced Materials</i> , 2015, 27, 7800-7808.	11.1	109
10	Band Engineering for Novel Two-Dimensional Atomic Layers. <i>Small</i> , 2015, 11, 1868-1884.	5.2	96
11	Subatomic deformation driven by vertical piezoelectricity from CdS ultrathin films. <i>Science Advances</i> , 2016, 2, e1600209.	4.7	67
12	Silica-modified SnO ₂ -graphene "slime" for self-enhanced li-ion battery anode. <i>Nano Energy</i> , 2017, 34, 449-455.	8.2	62
13	Large-Area Atomic Layers of the Charge-Density-Wave Conductor TiSe ₂ . <i>Advanced Materials</i> , 2018, 30, 1704382.	11.1	60
14	Engineering of High-Density Thin-Layer Graphite Foam-Based Composite Architectures with Superior Compressibility and Excellent Electromagnetic Interference Shielding Performance. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 41707-41716.	4.0	55
15	Controllable Synthesis of Concave Nanocubes, Right Bipyramids, and 5-Fold Twinned Nanorods of Palladium and Their Enhanced Electrocatalytic Performance. <i>Journal of Physical Chemistry C</i> , 2013, 117, 14289-14294.	1.5	41
16	Valley Pseudospin with a Widely Tunable Bandgap in Doped Honeycomb BN Monolayer. <i>Nano Letters</i> , 2017, 17, 2079-2087.	4.5	37
17	Elastic Properties of 2D Ultrathin Tungsten Nitride Crystals Grown by Chemical Vapor Deposition. <i>Advanced Functional Materials</i> , 2019, 29, 1902663.	7.8	37
18	Energy transfer from a single nitrogen-vacancy center in nanodiamond to a graphene monolayer. <i>Applied Physics Letters</i> , 2012, 101, .	1.5	26

#	ARTICLE	IF	CITATIONS
19	Pt/3D-graphene/FTO electrodes: Electrochemical preparation and their enhanced electrocatalytic activity. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 15063-15071.	3.8	24
20	Smoothing of wrinkles in CVD-grown hexagonal boron nitride films. <i>Nanoscale</i> , 2018, 10, 16243-16251.	2.8	15
21	Synthesis of Atomically Thin $1T\text{-TaSe}_2$ with a Strongly Enhanced Charge Density Wave Order. <i>Advanced Functional Materials</i> , 2020, 30, 2001903.	7.8	15
22	Lateral homoepitaxial growth of graphene. <i>CrystEngComm</i> , 2014, 16, 2593.	1.3	10
23	Adjusting Sensitivity and Linearity of the Wearable Pressure Sensors by an Arbitrary Micro-Protuberance Structure of Polyvinylidene Fluoride/Reduced Graphene Oxide Dielectric Films. <i>Advanced Engineering Materials</i> , 2021, 23, 2100326.	1.6	8
24	Depressed scattering across grain boundaries in single crystal graphene. <i>Applied Physics Letters</i> , 2012, 101, 172107.	1.5	5
25	Imaging the defect distribution in 2D hexagonal boron nitride by tracing photogenerated electron dynamics. <i>Journal Physics D: Applied Physics</i> , 2020, 53, 405106.	1.3	5
26	Versatile and scalable chemical vapor deposition of vertically aligned MoTe ₂ on reusable Mo foils. <i>Nano Research</i> , 2020, 13, 2371-2377.	5.8	5
27	Programmable high crystallinity carbon patterns. <i>2D Materials</i> , 2017, 4, 025011.	2.0	2