

Zhibin Yang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8914147/publications.pdf>

Version: 2024-02-01

33
papers

3,324
citations

279487

23
h-index

414034

32
g-index

33
all docs

33
docs citations

33
times ranked

5405
citing authors

#	ARTICLE	IF	CITATIONS
1	Deep Ultraviolet to Near-Infrared Emission and Photoresponse in Layered N-Doped Graphene Quantum Dots. ACS Nano, 2014, 8, 6312-6320.	7.3	455
2	Universal Strategy for HF-Free Facile and Rapid Synthesis of Two-dimensional MXenes as Multifunctional Energy Materials. Journal of the American Chemical Society, 2019, 141, 9610-9616.	6.6	452
3	Wafer-Scale Synthesis of High-Quality Semiconducting Two-Dimensional Layered InSe with Broadband Photoresponse. ACS Nano, 2017, 11, 4225-4236.	7.3	277
4	Field-Effect Transistors Based on Amorphous Black Phosphorus Ultrathin Films by Pulsed Laser Deposition. Advanced Materials, 2015, 27, 3748-3754.	11.1	274
5	Solution-Processable Ultrathin Black Phosphorus as an Effective Electron Transport Layer in Organic Photovoltaics. Advanced Functional Materials, 2016, 26, 864-871.	7.8	187
6	2D Layered Materials of Rare-Earth Er-Doped MoS ₂ with NIR-to-NIR Down- and Up-Conversion Photoluminescence. Advanced Materials, 2016, 28, 7472-7477.	11.1	180
7	Magnetic-Assisted Noncontact Triboelectric Nanogenerator Converting Mechanical Energy into Electricity and Light Emissions. Advanced Materials, 2016, 28, 2744-2751.	11.1	138
8	Large-scale growth of few-layer two-dimensional black phosphorus. Nature Materials, 2021, 20, 1203-1209.	13.3	133
9	Progress in pulsed laser deposited two-dimensional layered materials for device applications. Journal of Materials Chemistry C, 2016, 4, 8859-8878.	2.7	124
10	Wind energy and blue energy harvesting based on magnetic-assisted noncontact triboelectric nanogenerator. Nano Energy, 2016, 30, 36-42.	8.2	111
11	Recent Progress in 2D Layered III-VI Semiconductors and their Heterostructures for Optoelectronic Device Applications. Advanced Materials Technologies, 2019, 4, 1900108.	3.0	104
12	Three-terminal memtransistors based on two-dimensional layered gallium selenide nanosheets for potential low-power electronics applications. Nano Energy, 2019, 57, 566-573.	8.2	100
13	Colossal permittivity properties of Zn,Nb co-doped TiO ₂ with different phase structures. Journal of Materials Chemistry C, 2015, 3, 11005-11010.	2.7	98
14	Centimeter-scale growth of two-dimensional layered high-mobility bismuth films by pulsed laser deposition. Informa An-Materiály, 2019, 1, 98-107.	8.5	77
15	Ultrasensitive Flexible Solar-Blind Photodetectors Based on Graphene/Amorphous Ga ₂ O ₃ van der Waals Heterojunctions. ACS Applied Materials & Interfaces, 2020, 12, 47714-47720.	4.0	73
16	Lanthanide Yb/Er co-doped semiconductor layered WSe ₂ nanosheets with near-infrared luminescence at telecommunication wavelengths. Nanoscale, 2018, 10, 9261-9267.	2.8	62
17	Observation of Room-Temperature Magnetoresistance in Monolayer MoS ₂ by Ferromagnetic Gating. ACS Nano, 2017, 11, 6950-6958.	7.3	59
18	Ferroelectric-Driven Performance Enhancement of Graphene Field-Effect Transistors Based on Vertical Tunneling Heterostructures. Advanced Materials, 2016, 28, 10048-10054.	11.1	58

#	ARTICLE	IF	CITATIONS
19	Luminescence in 2D Materials and van der Waals Heterostructures. <i>Advanced Optical Materials</i> , 2018, 6, 1701296.	3.6	58
20	$\text{p-GaSe/n-Ga}_2\text{O}_3$ van der Waals Heterostructure Photodetector at Solar-Blind Wavelengths with Ultrahigh Responsivity and Detectivity. <i>ACS Photonics</i> , 2021, 8, 2256-2264.	3.2	57
21	Recent Progress in Black Phosphorus-Based Heterostructures for Device Applications. <i>Small Methods</i> , 2018, 2, 1700296.	4.6	51
22	Layer-dependent photoresponse of 2D MoS_2 films prepared by pulsed laser deposition. <i>Journal of Materials Chemistry C</i> , 2019, 7, 2522-2529.	2.7	45
23	Hybrid heterostructures and devices based on two-dimensional layers and wide bandgap materials. <i>Materials Today Nano</i> , 2020, 12, 100092.	2.3	28
24	Efficient hole transfer from monolayer WS_2 to ultrathin amorphous black phosphorus. <i>Nanoscale Horizons</i> , 2019, 4, 236-242.	4.1	23
25	How Universal Is the Wetting Aging in 2D Materials. <i>Nano Letters</i> , 2020, 20, 5670-5677.	4.5	22
26	Synthesis, properties, and applications of 2D amorphous inorganic materials. <i>Journal of Applied Physics</i> , 2020, 127, .	1.1	22
27	Amorphous two-dimensional black phosphorus with exceptional photocarrier transport properties. <i>2D Materials</i> , 2017, 4, 025063.	2.0	18
28	In-plane dielectric properties of epitaxial $\text{Ba}_{0.7}\text{Sr}_{0.3}\text{TiO}_3$ thin films grown on GaAs for tunable device application. <i>Journal of Applied Physics</i> , 2012, 112, 054110.	1.1	12
29	Determination of band alignment of pulsed-laser-deposited perovskite titanate/III-V semiconductor heterostructure using X-ray and ultraviolet photoelectron spectroscopy. <i>Applied Physics Letters</i> , 2013, 103, 031919.	1.5	12
30	Temperature dependence of broadband near-infrared luminescence from Ni^{2+} -doped $\text{Ba}_{0.5}\text{Sr}_{0.5}\text{TiO}_3$. <i>Journal of Applied Physics</i> , 2015, 118, .	1.1	8
31	Triboelectric Nanogenerators: Magnetic-Assisted Noncontact Triboelectric Nanogenerator Converting Mechanical Energy into Electricity and Light Emissions (<i>Adv. Mater.</i> 14/2016). <i>Advanced Materials</i> , 2016, 28, 2843-2843.	11.1	4
32	Terahertz relaxation dynamics of a two-dimensional InSe multilayer. <i>Physical Review B</i> , 2020, 102, .	1.1	2
33	Terahertz Carrier Dynamics in Epitaxial Layered $\hat{\mu}$ -InSe. , 2018, , .		0