

Lifeng Wang

List of Publications by Year in descending order

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5115
citing authors

#	ARTICLE	IF	CITATIONS
1	Two-dimensional Boron Nitride for Electronics and Energy Applications. Energy and Environmental Materials, 2022, 5, 10-44.	12.8	11
2	Growth of wafer-scale graphene-hexagonal boron nitride vertical heterostructures with clear interfaces for obtaining atomically thin electrical analogs. Nanoscale, 2022, 14, 4204-4215.	5.6	6
3	Advanced 2D-2D heterostructures of transition metal dichalcogenides and nitrogen-rich nitrides for solar water generation. Nano Energy, 2022, 98, 107192.	16.0	30
4	2D Higher-Metal Nitride Nanosheets for Solar Steam Generation. Small, 2022, 18, .	10.0	21
5	Atomically Thin Hexagonal Boron Nitride and Its Heterostructures. Advanced Materials, 2021, 33, e2000769.	21.0	71
6	Interfacial Engineering of 3D Hollow Mo-Based Carbide/Nitride Nanostructures. ACS Applied Materials & Interfaces, 2021, 13, 50524-50530.	8.0	16
7	Multilayer InSe-Te van der Waals Heterostructures with an Ultrahigh Rectification Ratio and Ultrasensitive Photoresponse. ACS Applied Materials & Interfaces, 2020, 12, 37313-37319.	8.0	47
8	High-Performance Devices Based on InSe-In _x Ga _x Se Van der Waals Heterojunctions. ACS Applied Materials & Interfaces, 2020, 12, 24978-24983.	8.0	11
9	Synthesis of High-Quality Multilayer Hexagonal Boron Nitride Films on Au Foils for Ultrahigh Rejection Ratio Solar-Blind Photodetection. ACS Applied Materials & Interfaces, 2020, 12, 28351-28359.	8.0	27
10	All Pseudocapacitive Nitrogen-Doped Reduced Graphene Oxide and Polyaniline Nanowire Network for High-Performance Flexible On-Chip Energy Storage. ACS Applied Energy Materials, 2020, 3, 6845-6852.	5.1	13
11	Design and Preparation of a Superior Proton Conductor by Confining Tetraethylenepentamine in the Pores of ZIF-8 To Induce Further Adsorption of Water and Carbon Dioxide. Inorganic Chemistry, 2019, 58, 14693-14700.	4.0	7
12	Ultrafast Growth of Thin Hexagonal and Pyramidal Molybdenum Nitride Crystals and Films. , 2019, 1, 383-388.		17
13	Epitaxial Growth of h-BN on Templates of Various Dimensionalities in h-BN-Graphene Material Systems. Advanced Materials, 2019, 31, e1805582.	21.0	28
14	Shape-tailorable high-energy asymmetric micro-supercapacitors based on plasma reduced and nitrogen-doped graphene oxide and MoO ₂ nanoparticles. Journal of Materials Chemistry A, 2019, 7, 14328-14336.	10.3	34
15	Low temperature growth of clean single layer hexagonal boron nitride flakes and film for graphene-based field-effect transistors. Science China Materials, 2019, 62, 1218-1225.	6.3	13
16	2D Materials: Epitaxial Growth of h-BN on Templates of Various Dimensionalities in h-BN-Graphene Material Systems (Adv. Mater. 12/2019). Advanced Materials, 2019, 31, 1970088.	21.0	1
17	Shape evolution of two dimensional hexagonal boron nitride single domains on Cu/Ni alloy and its applications in ultraviolet detection. Nanotechnology, 2019, 30, 245706.	2.6	31
18	High Proton Conductivity Achieved by Encapsulation of Imidazole Molecules into Proton-Conducting MOF-808. ACS Applied Materials & Interfaces, 2019, 11, 9164-9171.	8.0	163

#	ARTICLE	IF	CITATIONS
19	Neuromorphic Devices: A Ferroelectric/Electrochemical Modulated Organic Synapse for Ultraflexible, Artificial Visual-Perception System (Adv. Mater. 46/2018). Advanced Materials, 2018, 30, 1870349.	21.0	6
20	Synthesis of Two-Dimensional Alloy Ga _{0.84} In _{0.16} Se Nanosheets for High-Performance Photodetector. ACS Applied Materials & Interfaces, 2018, 10, 43299-43304.	8.0	17
21	A Ferroelectric/Electrochemical Modulated Organic Synapse for Ultraflexible, Artificial Visual-Perception System. Advanced Materials, 2018, 30, e1803961.	21.0	292
22	Lighting Up AIEgen Emission in Solution by Grafting onto Colloidal Nanocrystal Surfaces. Journal of Physical Chemistry Letters, 2018, 9, 6334-6338.	4.6	5
23	Phase-Engineering-Driven Enhanced Electronic and Optoelectronic Performance of Multilayer In ₂ Se ₃ Nanosheets. ACS Applied Materials & Interfaces, 2018, 10, 27584-27588.	8.0	51
24	High-performance and flexible photodetectors based on chemical vapor deposition grown two-dimensional In ₂ Se ₃ nanosheets. Nanotechnology, 2018, 29, 445205.	2.6	54
25	Water-assisted growth of large-sized single crystal hexagonal boron nitride grains. Materials Chemistry Frontiers, 2017, 1, 1836-1840.	5.9	34
26	A Retina-Like Dual Band Organic Photosensor Array for Filter-Free Near-Infrared-to-Memory Operations. Advanced Materials, 2017, 29, 1701772.	21.0	95
27	Tailoring graphene layer-to-layer growth. Nanotechnology, 2017, 28, 265101.	2.6	18
28	Photosensors: A Retina-Like Dual Band Organic Photosensor Array for Filter-Free Near-Infrared-to-Memory Operations (Adv. Mater. 32/2017). Advanced Materials, 2017, 29, .	21.0	8
29	Dielectric Engineering of a Boron Nitride/Hafnium Oxide Heterostructure for High-Performance 2D Field Effect Transistors. Advanced Materials, 2016, 28, 2062-2069.	21.0	65
30	Growth and Etching of Monolayer Hexagonal Boron Nitride. Advanced Materials, 2015, 27, 4858-4864.	21.0	93
31	Governing Rule for Dynamic Formation of Grain Boundaries in Grown Graphene. ACS Nano, 2015, 9, 5792-5798.	14.6	66
32	Field-Effect Transistors: Monolayer Hexagonal Boron Nitride Films with Large Domain Size and Clean Interface for Enhancing the Mobility of Graphene-Based Field-Effect Transistors (Adv. Mater. 10/2014). Advanced Materials, 2014, 26, 1474-1474.	21.0	3
33	Monolayer Hexagonal Boron Nitride Films with Large Domain Size and Clean Interface for Enhancing the Mobility of Graphene-Based Field-Effect Transistors. Advanced Materials, 2014, 26, 1559-1564.	21.0	209
34	Synthesis of two-dimensional \hat{I}^2 -Ga ₂ O ₃ nanosheets for high-performance solar blind photodetectors. Journal of Materials Chemistry C, 2014, 2, 3254-3259.	5.5	167
35	Colorimetric Sensor Based on Self-Assembled Polydiacetylene/Graphene-Stacked Composite Film for Vapor-Phase Volatile Organic Compounds. Advanced Functional Materials, 2013, 23, 6044-6050.	14.9	115
36	Highly Responsive Ultrathin GaS Nanosheet Photodetectors on Rigid and Flexible Substrates. Nano Letters, 2013, 13, 1649-1654.	9.1	683

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37	Synthesis of Few-Layer GaSe Nanosheets for High Performance Photodetectors. ACS Nano, 2012, 6, 5988-5994.	14.6	788