

Lijie Zhang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7824077/publications.pdf>

Version: 2024-02-01

38
papers

1,244
citations

566801

15
h-index

395343

33
g-index

38
all docs

38
docs citations

38
times ranked

2513
citing authors

#	ARTICLE	IF	CITATIONS
1	Rational Control on Quantum Emitter Formation in Carbon-Doped Monolayer Hexagonal Boron Nitride. ACS Applied Materials & Interfaces, 2022, 14, 3189-3198.	4.0	9
2	2D Ultrathin p-type ZnTe with High Environmental Stability. Advanced Electronic Materials, 2022, 8, .	2.6	9
3	Band Alignment Engineering by Twist Angle and Composition Modulation for Heterobilayer. Small, 2022, 18, .	5.2	2
4	Strategies for Controlled Growth of Transition Metal Dichalcogenides by Chemical Vapor Deposition for Integrated Electronics. ACS Materials Au, 2022, 2, 665-685.	2.6	16
5	Electron beam lithography induced doping in multilayer MoTe ₂ . Applied Surface Science, 2021, 540, 148276.	3.1	9
6	Multiple-Dimensionally Controllable Nucleation Sites of Two-Dimensional WS ₂ /Bi ₂ Se ₃ Heterojunctions Based on Vapor Growth. ACS Applied Materials & Interfaces, 2021, 13, 15518-15524.	4.0	7
7	A Universal Atomic Substitution Conversion Strategy Towards Synthesis of Large-Size Ultrathin Nonlayered Two-Dimensional Materials. Nano-Micro Letters, 2021, 13, 165.	14.4	12
8	Visualizing Van der Waals Epitaxial Growth of 2D Heterostructures. Advanced Materials, 2021, 33, e2105079.	11.1	24
9	Large-Size Superlattices Synthesized by Sequential Sulfur Substitution-Induced Transformation of Metastable MoTe ₂ . Chemistry of Materials, 2021, 33, 9760-9768.	3.2	5
10	Universal Precise Growth of 2D Transition-Metal Dichalcogenides in Vertical Direction. ACS Applied Materials & Interfaces, 2020, 12, 35337-35344.	4.0	16
11	CuFe ₂ O ₄ /MoS ₂ Mixed-Dimensional Heterostructures with Improved Gas Sensing Response. Nanoscale Research Letters, 2020, 15, 32.	3.1	15
12	Atomically Thin WSe ₂ /CdSe Mixed-Dimensional van der Waals Heterostructures with Enhanced Optoelectrical Properties. ACS Photonics, 2019, 6, 2067-2072.	3.2	11
13	Electrical control of spatial resolution in mixed-dimensional heterostructured photodetectors. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 6586-6593.	3.3	20
14	Monolayer-ReS ₂ field effect transistor using monolayer-graphene as electrodes. Physica B: Condensed Matter, 2019, 554, 35-39.	1.3	6
15	Anisotropic Broadband Photoresponse of Layered Type-II Weyl Semimetal MoTe ₂ . Advanced Materials, 2018, 30, e1707152.	11.1	139
16	Conversion of Multi-layered MoTe ₂ Transistor Between P-Type and N-Type and Their Use in Inverter. Nanoscale Research Letters, 2018, 13, 291.	3.1	30
17	Temperature-dependent Photoluminescence of Silicon Nanocrystals Embedded in SiO ₂ Matrix. Chemical Research in Chinese Universities, 2018, 34, 513-516.	1.3	0
18	Carbon Nanotube-Confined Vertical Heterostructures with Asymmetric Contacts. Advanced Materials, 2017, 29, 1702942.	11.1	21

#	ARTICLE	IF	CITATIONS
19	Pronounced Photovoltaic Response from Multi-layered MoTe ₂ Phototransistor with Asymmetric Contact Form. <i>Nanoscale Research Letters</i> , 2017, 12, 603.	3.1	7
20	Raman signatures of inversion symmetry breaking and structural phase transition in type-II Weyl semimetal MoTe ₂ . <i>Nature Communications</i> , 2016, 7, 13552.	5.8	118
21	Epitaxial growth of two-dimensional SnSe ₂ /MoS ₂ misfit heterostructures. <i>Journal of Materials Chemistry C</i> , 2016, 4, 10215-10222.	2.7	33
22	CuO/WO ₃ Hybrid Nanocubes for High Responsivity and Fast Recovery H ₂ S Sensors Operated at Low Temperature. <i>Particle and Particle Systems Characterization</i> , 2016, 33, 15-20.	1.2	23
23	Interlayer coupling in anisotropic/isotropic van der Waals heterostructures of ReS ₂ and MoS ₂ monolayers. <i>Nano Research</i> , 2016, 9, 3772-3780.	5.8	56
24	Interlayer Transition and Infrared Photodetection in Atomically Thin Type-II MoTe ₂ /MoS ₂ van der Waals Heterostructures. <i>ACS Nano</i> , 2016, 10, 3852-3858.	7.3	453
25	Self-Induced Uniaxial Strain in MoS ₂ Monolayers with Local van der Waals-Stacked Interlayer Interactions. <i>ACS Nano</i> , 2015, 9, 2704-2710.	7.3	47
26	Vertically coupled ZnO nanorods on MoS ₂ monolayers with enhanced Raman and photoluminescence emission. <i>Nano Research</i> , 2015, 8, 743-750.	5.8	52
27	Distinguishing plasmonic absorption modes by virtue of inversed architectures with tunable atomic-layer-deposited spacer layer. <i>Nanotechnology</i> , 2014, 25, 504004.	1.3	5
28	Enhanced electrical and optoelectrical properties of cadmium selenide nanobelts by chlorine doping. <i>Micro and Nano Letters</i> , 2014, 9, 55-59.	0.6	1
29	Vapor-deposited amorphous metamaterials as visible near-perfect absorbers with random non-prefabricated metal nanoparticles. <i>Scientific Reports</i> , 2014, 4, 4850.	1.6	40
30	Application of three-dimensionally area-selective atomic layer deposition for selectively coating the vertical surfaces of standing nanopillars. <i>Scientific Reports</i> , 2014, 4, 4458.	1.6	28
31	Atomic-Layer-Deposited Transparent Conductive Oxide for Enhancing Antireflection of Catalytically Etched Silicon Nanowire Arrays. <i>Journal of Nanoengineering and Nanomanufacturing</i> , 2014, 4, 321-325.	0.3	1
32	Proton-Initiated Darkening and UV-Originated Re-Brightening Photoluminescence of Colloidal Quantum Dots. <i>Journal of Nanoengineering and Nanomanufacturing</i> , 2014, 4, 326-329.	0.3	0
33	Radial sandwich hybrid nanorods by analogously inserting Au nanoparticles in ZnO nanorods. <i>RSC Advances</i> , 2013, 3, 21256.	1.7	0
34	Nanosphere@nanorod hybrid arrays generated on substrates by a one-pot process as low-reflecting surfaces. <i>RSC Advances</i> , 2013, 3, 21039.	1.7	2
35	Nondestructively decorating surface textured silicon with nanorod arrays for enhancing light harvesting (<i>Phys. Status Solidi A</i> 12â•2013). <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2013, 210, .	0.8	0
36	Nondestructively decorating surface textured silicon with nanorod arrays for enhancing light harvesting. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2013, 210, 2542-2549.	0.8	6

#	ARTICLE	IF	CITATIONS
37	Near-perfect infrared absorption from dielectric multilayer of plasmonic aluminum-doped zinc oxide. Applied Physics Letters, 2013, 102, .	1.5	19
38	Coherent Heterostructure Mesh Grown by Gap-Filling Epitaxial Chemical Vapor Deposition. Chemistry of Materials, 0, , .	3.2	2