

Vladislav Khayrudinov

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

197
citations

1307594

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h-index

1125743

13
g-index

26
all docs

26
docs citations

26
times ranked

301
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanowire network-based multifunctional all-optical logic gates. Science Advances, 2018, 4, eaar7954.	10.3	51
2	Direct Growth of Light-Emitting III-V Nanowires on Flexible Plastic Substrates. ACS Nano, 2020, 14, 7484-7491.	14.6	24
3	InAs-Nanowire-Based Broadband Ultrafast Optical Switch. Journal of Physical Chemistry Letters, 2019, 10, 4429-4436.	4.6	18
4	III-V nanowires on black silicon and low-temperature growth of self-catalyzed rectangular InAs NWs. Scientific Reports, 2018, 8, 6410.	3.3	11
5	Nonlinear optical absorption properties of InP nanowires and applications as a saturable absorber. Photonics Research, 2020, 8, 1035.	7.0	10
6	Thermal conductivity suppression in GaAs-AlAs core-shell nanowire arrays. Nanoscale, 2019, 11, 20507-20513.	5.6	9
7	Engineering the Dipole Orientation and Symmetry Breaking with Mixed-Dimensional Heterostructures. Advanced Science, 2022, 9, e2200082.	11.2	8
8	Synthesis and properties of ultra-long InP nanowires on glass. Nanotechnology, 2016, 27, 505606.	2.6	7
9	Measurement of Nanowire Optical Modes Using Cross-Polarization Microscopy. Scientific Reports, 2017, 7, 17790.	3.3	6
10	Low-Power Continuous-Wave Second Harmonic Generation in Semiconductor Nanowires. Laser and Photonics Reviews, 2018, 12, 1800126.	8.7	6
11	Growth of GaAs nanowire-graphite nanoplatelet hybrid structures. CrystEngComm, 2019, 21, 6165-6172.	2.6	5
12	Ultrafast carrier dynamics and nonlinear optical response of InAsP nanowires. Photonics Research, 2021, 9, 1811.	7.0	5
13	Femtosecond Mode-Locked Yb:KYW Laser Based on InP Nanowire Saturable Absorber. IEEE Photonics Technology Letters, 2022, 34, 247-250.	2.5	5
14	Hybrid GaAs nanowire-polymer device on glass: Al-doped ZnO (AZO) as transparent conductive oxide for nanowire based photovoltaic applications. Journal of Crystal Growth, 2020, 548, 125840.	1.5	4
15	Effect of crystal structure on the Young's modulus of GaP nanowires. Nanotechnology, 2021, 32, 385706.	2.6	4
16	Enhanced terahertz emission from mushroom-shaped InAs nanowire network induced by linear and nonlinear optical effects. Nanotechnology, 2022, 33, 085207.	2.6	4
17	Direct GaAs Nanowire Growth and Monolithic Light-Emitting Diode Fabrication on Flexible Plastic Substrates. Advanced Photonics Research, 2022, 3, .	3.6	4
18	Inducing Strong Light-Matter Coupling and Optical Anisotropy in Monolayer MoS ₂ with High Refractive Index Nanowire. ACS Applied Materials & Interfaces, 2022, 14, 31140-31147.	8.0	4

#	ARTICLE	IF	CITATIONS
19	Management of light and scattering in InP NWs by dielectric polymer shell. Nanotechnology, 2020, 31, 384003.	2.6	3
20	Thermoelectric Characteristics of InAs Nanowire Networks Directly Grown on Flexible Plastic Substrates. ACS Applied Energy Materials, 0, , .	5.1	3
21	Site-specific growth of oriented ZnO nanocrystal arrays. Beilstein Journal of Nanotechnology, 2019, 10, 274-280.	2.8	2
22	Title is missing!. Chinese Optics Letters, 2019, 17, 062301.	2.9	2
23	Nanowire-assisted microcavity in a photonic crystal waveguide and the enabled high-efficiency optical frequency conversions. Photonics Research, 2020, 8, 1734.	7.0	1
24	InSb Nanowire Direct Growth on Plastic for Monolithic Flexible Device Fabrication. ACS Applied Electronic Materials, 2022, 4, 539-545.	4.3	1
25	Analysis of doping distribution in horizontal GaAs nanowires with axial p-n junction by the conductive atomic force microscopy. Journal of Physics: Conference Series, 2019, 1410, 012228.	0.4	0
26	Surface potential response from GaP nanowires synthesized with mixed crystal phases. Journal of Physics: Conference Series, 2019, 1400, 044018.	0.4	0