Vladislav Khayrudinov

List of Publications by Year
in descending order

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26 papers	197 citations	1477746 6 h-index	1125271 13 g-index
26 all docs	26 docs citations	26 times ranked	301 citing authors

#	Article	IF	Citations
1	Nanowire networkâ€“based multifunctional all-optical logic gates. Science Advances, 2018, 4, eaar7954.	4.7	51
2	Direct Growth of Light-Emitting IIIâ€“V Nanowires on Flexible Plastic Substrates. ACS Nano, 2020, 14, 7484-7491.	7.3	24
3	InAs-Nanowire-Based Broadband Ultrafast Optical Switch. Journal of Physical Chemistry Letters, 2019, 10, 4429-4436.	2.1	18
4	IIIâ€“V nanowires on black silicon and low-temperature growth of self-catalyzed rectangular InAs NWs. Scientific Reports, 2018, 8, 6410.	1.6	11
5	Nonlinear optical absorption properties of InP nanowires and applications as a saturable absorber. Photonics Research, 2020, 8, 1035.	3.4	10
6	Thermal conductivity suppression in GaAsâ€“AlAs coreâ€“shell nanowire arrays. Nanoscale, 2019, 11, 20507-20513.	2.8	9
7	Engineering the Dipole Orientation and Symmetry Breaking with Mixedâ€Dimensional Heterostructures. Advanced Science, 2022, 9, e2200082.	5.6	8
8	Synthesis and properties of ultra-long InP nanowires on glass. Nanotechnology, 2016, 27, 505606.	1.3	7
9	Measurement of Nanowire Optical Modes Using Cross-Polarization Microscopy. Scientific Reports, 2017, 7, 17790.	1.6	6
10	Lowâ€Power Continuousâ€Wave Second Harmonic Generation in Semiconductor Nanowires. Laser and Photonics Reviews, 2018, 12, 1800126.	4.4	6
11	Growth of GaAs nanowireâ€“graphite nanoplatelet hybrid structures. CrystEngComm, 2019, 21, 6165-6172.	1.3	5
12	Ultrafast carrier dynamics and nonlinear optical response of InAsP nanowires. Photonics Research, 2021, 9, 1811.	3.4	5
13	Femtosecond Mode-Locked Yb:KYW Laser Based on InP Nanowire Saturable Absorber. IEEE Photonics Technology Letters, 2022, 34, 247-250.	1.3	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.	0.7	4
15	Effect of crystal structure on the Youngâ€™s modulus of GaP nanowires. Nanotechnology, 2021, 32, 385706.	1.3	4
16	Enhanced terahertz emission from mushroom-shaped InAs nanowire network induced by linear and nonlinear optical effects. Nanotechnology, 2022, 33, 085207.	1.3	4
17	Direct GaAs Nanowire Growth and Monolithic Lightâ€Emitting Diode Fabrication on Flexible Plastic Substrates. Advanced Photonics Research, 2022, 3, .	1.7	4
18	Inducing Strong Lightâ€“Matter Coupling and Optical Anisotropy in Monolayer MoS₂ with High Refractive Index Nanowire. ACS Applied Materials & Interfaces, 2022, 14, 31140-31147.	4.0	4

#	Article	IF	Citations
19	Management of light and scattering in InP NWs by dielectric polymer shell. Nanotechnology, 2020, 31, 384003.	1.3	3
20	Thermoelectric Characteristics of InAs Nanowire Networks Directly Grown on Flexible Plastic Substrates. ACS Applied Energy Materials, 0, , .	2.5	3
21	Site-specific growth of oriented ZnO nanocrystal arrays. Beilstein Journal of Nanotechnology, 2019, 10, 274-280.	1.5	2
22	Title is missing!. Chinese Optics Letters, 2019, 17, 062301.	1.3	2
23	Nanowire-assisted microcavity in a photonic crystal waveguide and the enabled high-efficiency optical frequency conversions. Photonics Research, 2020, 8, 1734.	3.4	1
24	InSb Nanowire Direct Growth on Plastic for Monolithic Flexible Device Fabrication. ACS Applied Electronic Materials, 2022, 4, 539-545.	2.0	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.	0.3	0
26	Surface potential response from GaP nanowires synthesized with mixed crystal phases. Journal of Physics: Conference Series, 2019, 1400, 044018.	0.3	0