

Nika Akopian

List of Publications by Year in descending order

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24
papers

2,347
citations

430442

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610482

24
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docs citations

24
times ranked

2502
citing authors

#	ARTICLE	IF	CITATIONS
1	Purcell Effect and Beaming of Emission in Hybrid AlGaAs Nanowires with GaAs Quantum Dots. <i>Nanomaterials</i> , 2021, 11, 2894.	1.9	1
2	All-optical charging and charge transport in quantum dots. <i>Scientific Reports</i> , 2020, 10, 14911.	1.6	9
3	Resonant excitation of nanowire quantum dots. <i>Npj Quantum Information</i> , 2020, 6, .	2.8	12
4	Epsilon-Near-Zero Grids for On-chip Quantum Networks. <i>Scientific Reports</i> , 2019, 9, 6053.	1.6	15
5	Cryogenic characterization of titanium nitride thin films. <i>Optical Materials Express</i> , 2019, 9, 2117.	1.6	20
6	Nanowire Quantum Dots Tuned to Atomic Resonances. <i>Nano Letters</i> , 2018, 18, 7217-7221.	4.5	37
7	AlGaAs and AlGaAs/GaAs/AlGaAs nanowires grown by molecular beam epitaxy on silicon substrates. <i>Journal Physics D: Applied Physics</i> , 2017, 50, 484003.	1.3	19
8	Origin of Spontaneous Core-Shell AlGaAs Nanowires Grown by Molecular Beam Epitaxy. <i>Crystal Growth and Design</i> , 2016, 16, 7251-7255.	1.4	42
9	Photon Cascade from a Single Crystal Phase Nanowire Quantum Dot. <i>Nano Letters</i> , 2016, 16, 1081-1085.	4.5	37
10	Single Dot Meets Single Ion. <i>Physics Magazine</i> , 2015, 8, .	0.1	1
11	A light-hole exciton in a quantum dot. <i>Nature Physics</i> , 2014, 10, 46-51.	6.5	111
12	Growth and optical properties of axial hybrid III-V/silicon nanowires. <i>Nature Communications</i> , 2012, 3, 1266.	5.8	105
13	Bright single-photon sources in bottom-up tailored nanowires. <i>Nature Communications</i> , 2012, 3, 737.	5.8	365
14	Hybrid semiconductor-atomic interface: slowing down single photons from a quantum dot. <i>Nature Photonics</i> , 2011, 5, 230-233.	15.6	113
15	Position controlled nanowires for infrared single photon emission. <i>Applied Physics Letters</i> , 2010, 97, .	1.5	55
16	Crystal Phase Quantum Dots. <i>Nano Letters</i> , 2010, 10, 1198-1201.	4.5	233
17	Wide InP Nanowires with Wurtzite/Zincblende Superlattice Segments Are Type-II whereas Narrower Nanowires Become Type-I: An Atomistic Pseudopotential Calculation. <i>Nano Letters</i> , 2010, 10, 4055-4060.	4.5	76
18	Single quantum dot nanowire photodetectors. <i>Applied Physics Letters</i> , 2010, 97, .	1.5	41

#	ARTICLE	IF	CITATIONS
19	Orientation-Dependent Optical Polarization Properties of Single Quantum Dots in Nanowires. Small, 2009, 5, 2134-2138.	5.2	33
20	Selective Excitation and Detection of Spin States in a Single Nanowire Quantum Dot. Nano Letters, 2009, 9, 1989-1993.	4.5	79
21	Superconducting single photon detectors with minimized polarization dependence. Applied Physics Letters, 2008, 93, .	1.5	70
22	Room temperature demonstration of GaN/AlN quantum dot intraband infrared photodetector at fiber-optics communication wavelength. Applied Physics Letters, 2006, 88, 143101.	1.5	71
23	Entangled Photon Pairs from Semiconductor Quantum Dots. Physical Review Letters, 2006, 96, 130501.	2.9	761
24	Optical evidence for lack of polarization in (112̂0) oriented GaN/(AlGa)N quantum structures. Applied Physics Letters, 2005, 86, 202104.	1.5	41