

Nika Akopian

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

2,347
citations

430442

18
h-index

610482

24
g-index

24
all docs

24
docs citations

24
times ranked

2502
citing authors

#	ARTICLE	IF	CITATIONS
1	Entangled Photon Pairs from Semiconductor Quantum Dots. Physical Review Letters, 2006, 96, 130501.	2.9	761
2	Bright single-photon sources in bottom-up tailored nanowires. Nature Communications, 2012, 3, 737.	5.8	365
3	Crystal Phase Quantum Dots. Nano Letters, 2010, 10, 1198-1201.	4.5	233
4	Hybrid semiconductor-atomic interface: slowing down single photons from a quantum dot. Nature Photonics, 2011, 5, 230-233.	15.6	113
5	A light-hole exciton in a quantum dot. Nature Physics, 2014, 10, 46-51.	6.5	111
6	Growth and optical properties of axial hybrid III-V/silicon nanowires. Nature Communications, 2012, 3, 1266.	5.8	105
7	Selective Excitation and Detection of Spin States in a Single Nanowire Quantum Dot. Nano Letters, 2009, 9, 1989-1993.	4.5	79
8	Wide InP Nanowires with Wurtzite/Zincblende Superlattice Segments Are Type-II whereas Narrower Nanowires Become Type-I: An Atomistic Pseudopotential Calculation. Nano Letters, 2010, 10, 4055-4060.	4.5	76
9	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
10	Superconducting single photon detectors with minimized polarization dependence. Applied Physics Letters, 2008, 93, .	1.5	70
11	Position controlled nanowires for infrared single photon emission. Applied Physics Letters, 2010, 97, .	1.5	55
12	Origin of Spontaneous Core-Shell AlGaAs Nanowires Grown by Molecular Beam Epitaxy. Crystal Growth and Design, 2016, 16, 7251-7255.	1.4	42
13	Optical evidence for lack of polarization in (112̄0) oriented GaN/(AlGa)N quantum structures. Applied Physics Letters, 2005, 86, 202104.	1.5	41
14	Single quantum dot nanowire photodetectors. Applied Physics Letters, 2010, 97, .	1.5	41
15	Photon Cascade from a Single Crystal Phase Nanowire Quantum Dot. Nano Letters, 2016, 16, 1081-1085.	4.5	37
16	Nanowire Quantum Dots Tuned to Atomic Resonances. Nano Letters, 2018, 18, 7217-7221.	4.5	37
17	Orientation-Dependent Optical-Polarization Properties of Single Quantum Dots in Nanowires. Small, 2009, 5, 2134-2138.	5.2	33
18	Cryogenic characterization of titanium nitride thin films. Optical Materials Express, 2019, 9, 2117.	1.6	20

#	ARTICLE	IF	CITATIONS
19	AlGaAs and AlGaAs/GaAs/AlGaAs nanowires grown by molecular beam epitaxy on silicon substrates. Journal Physics D: Applied Physics, 2017, 50, 484003.	1.3	19
20	Epsilon-Near-Zero Grids for On-chip Quantum Networks. Scientific Reports, 2019, 9, 6053.	1.6	15
21	Resonant excitation of nanowire quantum dots. Npj Quantum Information, 2020, 6, .	2.8	12
22	All-optical charging and charge transport in quantum dots. Scientific Reports, 2020, 10, 14911.	1.6	9
23	Single Dot Meets Single Ion. Physics Magazine, 2015, 8, .	0.1	1
24	Purcell Effect and Beaming of Emission in Hybrid AlGaAs Nanowires with GaAs Quantum Dots. Nanomaterials, 2021, 11, 2894.	1.9	1