

E R Schmidgall

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

1,226
citations

840585

11
h-index

1058333

14
g-index

16
all docs

16
docs citations

16
times ranked

2383
citing authors

#	ARTICLE	IF	CITATIONS
1	Van der Waals engineering of ferromagnetic semiconductor heterostructures for spin and valleytronics. <i>Science Advances</i> , 2017, 3, e1603113.	4.7	635
2	Deterministic generation of a cluster state of entangled photons. <i>Science</i> , 2016, 354, 434-437.	6.0	268
3	Population Inversion in a Single InGaAs Quantum Dot Using the Method of Adiabatic Rapid Passage. <i>Physical Review Letters</i> , 2011, 106, 067401.	2.9	94
4	On-demand source of maximally entangled photon pairs using the biexciton-exciton radiative cascade. <i>Physical Review B</i> , 2017, 95, .	1.1	49
5	Frequency Control of Single Quantum Emitters in Integrated Photonic Circuits. <i>Nano Letters</i> , 2018, 18, 1175-1179.	4.5	34
6	Generating single photons at gigahertz modulation-speed using electrically controlled quantum dot microlenses. <i>Applied Physics Letters</i> , 2016, 108, .	1.5	31
7	Population inversion in quantum dot ensembles via adiabatic rapid passage. <i>Physical Review B</i> , 2010, 81, .	1.1	30
8	Deterministic coherent writing of a long-lived semiconductor spin qubit using one ultrafast optical pulse. <i>Physical Review B</i> , 2015, 92, .	1.1	22
9	All-optical depletion of dark excitons from a semiconductor quantum dot. <i>Applied Physics Letters</i> , 2015, 106, .	1.5	21
10	Deterministic generation of a quantum-dot-confined triexciton and its radiative decay via three-photon cascade. <i>Physical Review B</i> , 2014, 90, .	1.1	18
11	Optical control of single excitons in semiconductor quantum dots. <i>Semiconductor Science and Technology</i> , 2014, 29, 053001.	1.0	14
12	Controlling the dark exciton spin eigenstates by external magnetic field. <i>Physical Review B</i> , 2016, 94, .	1.1	5
13	Coherent Control of Dark Excitons in Semiconductor Quantum Dots. <i>Nano-optics and Nanophotonics</i> , 2017, , 123-164.	0.2	3
14	Selection rules for nonradiative carrier relaxation processes in semiconductor quantum dots. <i>Physical Review B</i> , 2016, 93, .	1.1	2
15	Adiabatic rapid passage on a single exciton. <i>AIP Conference Proceedings</i> , 2011, , .	0.3	0
16	Deterministic Writing and Control of the Dark Exciton State using Short Single Optical Pulses. , 2014, , .		0