E R Schmidgall

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/865541/publications.pdf

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16	1,226	840585 11	1058333 14
papers	citations	h-index	g-index

16	16	16	2383
all docs	docs citations	times ranked	citing authors

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