Kai MÃ¼ller

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/10790933/publications.pdf

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27	1,074	361413	580821
papers	citations	20	25
		h-index	g-index

27	27	27	1398
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Direct exciton emission from atomically thin transition metal dichalcogenide heterostructures near the lifetime limit. Scientific Reports, 2017, 7, 12383.	3.3	122
2	Quantum dot single-photon sources with ultra-low multi-photon probability. Npj Quantum Information, 2018, 4, .	6.7	114
3	Coherent Generation of Nonclassical Light on Chip via Detuned Photon Blockade. Physical Review Letters, 2015, 114, 233601.	7.8	109
4	Resonance Fluorescence of GaAs Quantum Dots with Near-Unity Photon Indistinguishability. Nano Letters, 2019, 19, 2404-2410.	9.1	63
5	Signatures of two-photon pulses from a quantum two-level system. Nature Physics, 2017, 13, 649-654.	16.7	53
6	Dynamic acousto-optic control of a strongly coupled photonic molecule. Nature Communications, 2015, 6, 8540.	12.8	50
7	Engineering the Luminescence and Generation of Individual Defect Emitters in Atomically Thin MoS₂. ACS Photonics, 2021, 8, 669-677.	6.6	48
8	Dynamical modeling of pulsed two-photon interference. New Journal of Physics, 2016, 18, 113053.	2.9	45
9	Acoustically regulated carrier injection into a single optically active quantum dot. Physical Review B, 2013, 88, .	3.2	41
10	Ultrafast Polariton-Phonon Dynamics of Strongly Coupled Quantum Dot-Nanocavity Systems. Physical Review X, 2015, 5, .	8.9	41
11	Complete Coherent Control of a Quantum Dot Strongly Coupled to a Nanocavity. Scientific Reports, 2016, 6, 25172.	3.3	41
12	Generation of Nonâ€€lassical Light Using Semiconductor Quantum Dots. Advanced Quantum Technologies, 2020, 3, 1900007.	3.9	38
13	Gate-Switchable Arrays of Quantum Light Emitters in Contacted Monolayer MoS₂ van der Waals Heterodevices. Nano Letters, 2021, 21, 1040-1046.	9.1	36
14	Crux of Using the Cascaded Emission of a Three-Level Quantum Ladder System to Generate Indistinguishable Photons. Physical Review Letters, 2020, 125, 233605.	7.8	34
15	Self-homodyne measurement of a dynamic Mollow triplet in the solid state. Nature Photonics, 2016, 10, 163-166.	31.4	33
16	Pulsed Rabi oscillations in quantum two-level systems: beyond the area theorem. Quantum Science and Technology, 2018, 3, 014006.	5.8	29
17	Optomechanical wave mixing by a single quantum dot. Optica, 2021, 8, 291.	9.3	24
18	Independent dynamic acousto-mechanical and electrostatic control of individual quantum dots in a LiNbO3-GaAs hybrid. Applied Physics Letters, 2015, 106, .	3.3	23

#	Article	IF	Citations
19	On-Chip Architecture for Self-Homodyned Nonclassical Light. Physical Review Applied, 2017, 7, .	3.8	22
20	Origin of Antibunching in Resonance Fluorescence. Physical Review Letters, 2020, 125, 170402.	7.8	22
21	Tuning the photon statistics of a strongly coupled nanophotonic system. Physical Review A, 2017, 95, .	2.5	20
22	Stimulated Generation of Indistinguishable Single Photons from a Quantum Ladder System. Physical Review Letters, 2022, 128, 093603.	7.8	20
23	Self-homodyne-enabled generation of indistinguishable photons. Optica, 2016, 3, 931.	9.3	19
24	Probing ultrafast carrier tunneling dynamics in individual quantum dots and molecules. Annalen Der Physik, 2013, 525, 49-58.	2.4	15
25	Resonance-fluorescence spectral dynamics of an acoustically modulated quantum dot. Physical Review Research, 2021, 3, .	3.6	12
26	Effects of Homodyne Interference on Jaynes-Cummings Emission for Single Photon Generation. , 2017, , .		0
27	Single-photon nonlinear optics with a semiconductor quantum dot. Semiconductors and Semimetals, 2020, 105, 387-416.	0.7	0