

Kai MÃ¼ller

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

1,074
citations

361413

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580821

25
g-index

27
all docs

27
docs citations

27
times ranked

1398
citing authors

#	ARTICLE	IF	CITATIONS
1	Stimulated Generation of Indistinguishable Single Photons from a Quantum Ladder System. <i>Physical Review Letters</i> , 2022, 128, 093603.	7.8	20
2	Gate-Switchable Arrays of Quantum Light Emitters in Contacted Monolayer MoS ₂ van der Waals Heterodevices. <i>Nano Letters</i> , 2021, 21, 1040-1046.	9.1	36
3	Optomechanical wave mixing by a single quantum dot. <i>Optica</i> , 2021, 8, 291.	9.3	24
4	Resonance-fluorescence spectral dynamics of an acoustically modulated quantum dot. <i>Physical Review Research</i> , 2021, 3, .	3.6	12
5	Engineering the Luminescence and Generation of Individual Defect Emitters in Atomically Thin MoS ₂ . <i>ACS Photonics</i> , 2021, 8, 669-677.	6.6	48
6	Generation of Nonclassical Light Using Semiconductor Quantum Dots. <i>Advanced Quantum Technologies</i> , 2020, 3, 1900007.	3.9	38
7	Origin of Antibunching in Resonance Fluorescence. <i>Physical Review Letters</i> , 2020, 125, 170402.	7.8	22
8	Crux of Using the Cascaded Emission of a Three-Level Quantum Ladder System to Generate Indistinguishable Photons. <i>Physical Review Letters</i> , 2020, 125, 233605.	7.8	34
9	Single-photon nonlinear optics with a semiconductor quantum dot. <i>Semiconductors and Semimetals</i> , 2020, 105, 387-416.	0.7	0
10	Resonance Fluorescence of GaAs Quantum Dots with Near-Unity Photon Indistinguishability. <i>Nano Letters</i> , 2019, 19, 2404-2410.	9.1	63
11	Pulsed Rabi oscillations in quantum two-level systems: beyond the area theorem. <i>Quantum Science and Technology</i> , 2018, 3, 014006.	5.8	29
12	Quantum dot single-photon sources with ultra-low multi-photon probability. <i>Npj Quantum Information</i> , 2018, 4, .	6.7	114
13	Signatures of two-photon pulses from a quantum two-level system. <i>Nature Physics</i> , 2017, 13, 649-654.	16.7	53
14	Direct exciton emission from atomically thin transition metal dichalcogenide heterostructures near the lifetime limit. <i>Scientific Reports</i> , 2017, 7, 12383.	3.3	122
15	On-Chip Architecture for Self-Homodyned Nonclassical Light. <i>Physical Review Applied</i> , 2017, 7, .	3.8	22
16	Tuning the photon statistics of a strongly coupled nanophotonic system. <i>Physical Review A</i> , 2017, 95, .	2.5	20
17	Effects of Homodyne Interference on Jaynes-Cummings Emission for Single Photon Generation. , 2017, , .		0
18	Dynamical modeling of pulsed two-photon interference. <i>New Journal of Physics</i> , 2016, 18, 113053.	2.9	45

#	ARTICLE	IF	CITATIONS
19	Complete Coherent Control of a Quantum Dot Strongly Coupled to a Nanocavity. Scientific Reports, 2016, 6, 25172.	3.3	41
20	Self-homodyne measurement of a dynamic Mollow triplet in the solid state. Nature Photonics, 2016, 10, 163-166.	31.4	33
21	Self-homodyne-enabled generation of indistinguishable photons. Optica, 2016, 3, 931.	9.3	19
22	Coherent Generation of Nonclassical Light on Chip via Detuned Photon Blockade. Physical Review Letters, 2015, 114, 233601.	7.8	109
23	Ultrafast Polariton-Phonon Dynamics of Strongly Coupled Quantum Dot-Nanocavity Systems. Physical Review X, 2015, 5, .	8.9	41
24	Independent dynamic acousto-mechanical and electrostatic control of individual quantum dots in a LiNbO3-GaAs hybrid. Applied Physics Letters, 2015, 106, .	3.3	23
25	Dynamic acousto-optic control of a strongly coupled photonic molecule. Nature Communications, 2015, 6, 8540.	12.8	50
26	Acoustically regulated carrier injection into a single optically active quantum dot. Physical Review B, 2013, 88, .	3.2	41
27	Probing ultrafast carrier tunneling dynamics in individual quantum dots and molecules. Annalen Der Physik, 2013, 525, 49-58.	2.4	15