Ranojoy Bose

List of Publications by Year
in descending order

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25	1,029	687363	940533
papers	citations	13 h-index	16 g-index

25	25	25	1511
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Near-field focusing and magnification through self-assembled nanoscale spherical lenses. Nature, 2009, 460, 498-501.	27.8	338
2	Low-Photon-Number Optical Switching with a Single Quantum Dot Coupled to a Photonic Crystal Cavity. Physical Review Letters, 2012, 108, 227402.	7.8	157
3	A quantum logic gate between a solid-state quantum bit and a photon. Nature Photonics, 2013, 7, 373-377.	31.4	138
4	Temperature-Tuning of Near-Infrared Monodisperse Quantum Dot Solids at 1.5 Âµm for Controllable FÃ¶rster Energy Transfer. Nano Letters, 2008, 8, 2006-2011.	9.1	60
5	All-optical coherent control of vacuum Rabi oscillations. Nature Photonics, 2014, 8, 858-864.	31.4	58
6	Weak coupling interactions of colloidal lead sulphide nanocrystals with silicon photonic crystal nanocavities near 1.55Î¼m at room temperature. Applied Physics Letters, 2007, 90, 111117.	3.3	49
7	Controlled coupling of photonic crystal cavities using photochromic tuning. Applied Physics Letters, 2013, 102, .	3.3	42
8	Large optical Stark shifts in semiconductor quantum dots coupled to photonic crystal cavities. Applied Physics Letters, 2011, 98, .	3.3	35
9	Observation of strong coupling through transmission modification of a cavity-coupled photonic crystal waveguide. Optics Express, 2011, 19, 5398.	3.4	34
10	Transmission through chiral twist defects in anisotropic periodic structures. Optics Letters, 2003, 28, 349.	3.3	26
11	All-optical tuning of a quantum dot in a coupled cavity system. Applied Physics Letters, 2012, 100, 231107.	3.3	20
12	A reversibly tunable photonic crystal nanocavity laser using photochromic thin film. Optics Express, 2011, 19, 5551.	3.4	19
13	Nanocrystals in silicon photonic crystal standing-wave cavities as spin-photon phase gates for quantum information processing. Applied Physics Letters, 2007, 91, 151105.	3.3	15
14	Fiber-based cryogenic and time-resolved spectroscopy of PbS quantum dots. Optics Express, 2011, 19, 1786.	3.4	13
15	Cryogenic spectroscopy of ultra-low density colloidal lead chalcogenide quantum dots on chip-scale optical cavities towards single quantum dot near-infrared cavity QED. Optics Express, 2009, 17, 22474.	3.4	11
16	Carrier dynamics in GaAs photonic crystal cavities near the material band edge. Optics Express, 2015, 23, 12732.	3.4	10
17	Interaction of infiltrated colloidal PbS nanocrystals with high Q/V silicon photonic bandgap nanocavities for near-infrared enhanced spontaneous emissions. , 2005, , .		4
18	Weak Coupling Interactions of Silicon Photonic Crystals with Lead Sulphide Nanocrystals at Room Temperature. , 2007, , .		0

#	Article	IF	Citations
19	Weak coupling interactions of silicon photonic crystals with lead sulphide nanocrystals at room temperature. , 2007, , .		0
20	Nonlinear optics near the single photon level with quantum dots coupled to photonic crystals. , 2011, , .		0
21	Low photon nonlinear effects in integrated photonic crystal cavities coupled to quantum dots. , 2011, , .		0
22	Coherent control of energy transfer in a quantum dot strongly coupled to a photonic crystal molecule. Proceedings of SPIE, 2015, , .	0.8	0
23	Dynamic Stark effect in a quantum dot strongly coupled to a cavity. , 2013, , .		0
24	Locally and Reversibly Control the coupling of photonic crystal cavities using photochromic tuning. , 2014, , .		0
25	Low Power All-Optical Switching in a Gallium Arsenide Photonic Molecule. , 2015, , .		0