

Ranojoy Bose

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

1,029
citations

687363

13
h-index

940533

16
g-index

25
all docs

25
docs citations

25
times ranked

1511
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Coherent control of energy transfer in a quantum dot strongly coupled to a photonic crystal molecule. Proceedings of SPIE, 2015, , . | 0.8 | 0 |
| 2 | Carrier dynamics in GaAs photonic crystal cavities near the material band edge. Optics Express, 2015, 23, 12732. | 3.4 | 10 |
| 3 | Low Power All-Optical Switching in a Gallium Arsenide Photonic Molecule. , 2015, , . | | 0 |
| 4 | All-optical coherent control of vacuum Rabi oscillations. Nature Photonics, 2014, 8, 858-864. | 31.4 | 58 |
| 5 | Locally and Reversibly Control the coupling of photonic crystal cavities using photochromic tuning. , 2014, , . | | 0 |
| 6 | Controlled coupling of photonic crystal cavities using photochromic tuning. Applied Physics Letters, 2013, 102, . | 3.3 | 42 |
| 7 | A quantum logic gate between a solid-state quantum bit and a photon. Nature Photonics, 2013, 7, 373-377. | 31.4 | 138 |
| 8 | Dynamic Stark effect in a quantum dot strongly coupled to a cavity. , 2013, , . | | 0 |
| 9 | All-optical tuning of a quantum dot in a coupled cavity system. Applied Physics Letters, 2012, 100, 231107. | 3.3 | 20 |
| 10 | 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 |
| 11 | Fiber-based cryogenic and time-resolved spectroscopy of PbS quantum dots. Optics Express, 2011, 19, 1786. | 3.4 | 13 |
| 12 | Observation of strong coupling through transmission modification of a cavity-coupled photonic crystal waveguide. Optics Express, 2011, 19, 5398. | 3.4 | 34 |
| 13 | A reversibly tunable photonic crystal nanocavity laser using photochromic thin film. Optics Express, 2011, 19, 5551. | 3.4 | 19 |
| 14 | Nonlinear optics near the single photon level with quantum dots coupled to photonic crystals. , 2011, , . | | 0 |
| 15 | Low photon nonlinear effects in integrated photonic crystal cavities coupled to quantum dots. , 2011, , . | | 0 |
| 16 | Large optical Stark shifts in semiconductor quantum dots coupled to photonic crystal cavities. Applied Physics Letters, 2011, 98, . | 3.3 | 35 |
| 17 | Near-field focusing and magnification through self-assembled nanoscale spherical lenses. Nature, 2009, 460, 498-501. | 27.8 | 338 |
| 18 | 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 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Temperature-Tuning of Near-Infrared Monodisperse Quantum Dot Solids at 1.5 μm for Controllable Förster Energy Transfer. Nano Letters, 2008, 8, 2006-2011. | 9.1 | 60 |
| 20 | Weak Coupling Interactions of Silicon Photonic Crystals with Lead Sulphide Nanocrystals at Room Temperature. , 2007, , . | | 0 |
| 21 | Weak coupling interactions of silicon photonic crystals with lead sulphide nanocrystals at room temperature. , 2007, , . | | 0 |
| 22 | 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 |
| 23 | Weak coupling interactions of colloidal lead sulphide nanocrystals with silicon photonic crystal nanocavities near 1.55 μm at room temperature. Applied Physics Letters, 2007, 90, 111117. | 3.3 | 49 |
| 24 | Interaction of infiltrated colloidal PbS nanocrystals with high Q/V silicon photonic bandgap nanocavities for near-infrared enhanced spontaneous emissions. , 2005, , . | | 4 |
| 25 | Transmission through chiral twist defects in anisotropic periodic structures. Optics Letters, 2003, 28, 349. | 3.3 | 26 |