

Lei Zhang

List of Publications by Year in descending order

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18
papers

416
citations

933447

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1199594

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docs citations

18
times ranked

569
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 1 | Room Temperature Ultralow Threshold GaN Nanowire Polariton Laser. Physical Review Letters, 2011, 107, 066405. | 7.8 | 161 |
| 2 | Single photon emission from site-controlled InGaN/GaN quantum dots. Applied Physics Letters, 2013, 103, . | 3.3 | 44 |
| 3 | Strain-induced red-green-blue wavelength tuning in InGaN quantum wells. Applied Physics Letters, 2016, 108, 071104. | 3.3 | 36 |
| 4 | Elliptical quantum dots as on-demand single photons sources with deterministic polarization states. Applied Physics Letters, 2015, 107, . | 3.3 | 33 |
| 5 | How much better are InGaN/GaN nanodisks than quantum wellsâ€”Oscillator strength enhancement and changes in optical properties. Applied Physics Letters, 2014, 104, . | 3.3 | 32 |
| 6 | Site-controlled InGaN/GaN single-photon-emitting diode. Applied Physics Letters, 2016, 108, . | 3.3 | 24 |
| 7 | Carrier dynamics in site- and structure-controlled InGaN/GaN quantum dots. Physical Review B, 2014, 90, . | 3.2 | 23 |
| 8 | Plasmonic Enhancement of Single Photon Emission from a Site-Controlled Quantum Dot. ACS Photonics, 2015, 2, 1065-1070. | 6.6 | 22 |
| 9 | Room-temperature quantum-dot-like luminescence from site-controlled InGaN quantum disks. Applied Physics Letters, 2011, 99, 263105. | 3.3 | 13 |
| 10 | Charge-tunable indium gallium nitride quantum dots. Physical Review B, 2016, 93, . | 3.2 | 11 |
| 11 | Ultralow Threshold Room Temperature Polariton Condensation in Colloidal CdSe/CdS Core/Shell Nanoplatelets. Advanced Science, 2022, 9, e2200395. | 11.2 | 9 |
| 12 | Mechanisms of inhomogeneous broadening in InGaN dot-in-wire structures. Journal of Applied Physics, 2019, 126, 083104. | 2.5 | 6 |
| 13 | Enhancement of Spontaneous Emission Rate in an InGaN Quantum Dot Coupled to a Plasmonic Cavity. , 2013, , . | | 1 |
| 14 | Semiconductor Single-Photon Emitters with Tunable Polarization Output. , 2014, , . | | 1 |
| 15 | Site-controlled single photon emitters based on InGaN/GaN quantum dots. , 2012, , . | | 0 |
| 16 | Single photon emission from site-controlled InGaN quantum dots up to 90 K. , 2013, , . | | 0 |
| 17 | Electrically driven single-photon emission from site-controlled InGaN/GaN quantum dots. , 2014, , . | | 0 |
| 18 | Effects of Strain Relaxation on Luminescent Properties of InGaN/GaN Nanorods from 2D to 0D Transition. , 2013, , . | | 0 |