

Yan Cai

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

964
citations

1040056

9
h-index

1474206

9
g-index

15
all docs

15
docs citations

15
times ranked

1093
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | An electrically pumped germanium laser. Optics Express, 2012, 20, 11316. | 3.4 | 689 |
| 2 | Direct band gap narrowing in highly doped Ge. Applied Physics Letters, 2013, 102, . | 3.3 | 84 |
| 3 | High active carrier concentration in n-type, thin film Ge using delta-doping. Optical Materials Express, 2012, 2, 1462. | 3.0 | 55 |
| 4 | Analysis of Threshold Current Behavior for Bulk and Quantum-Well Germanium Laser Structures. IEEE Journal of Selected Topics in Quantum Electronics, 2013, 19, 1901009-1901009. | 2.9 | 40 |
| 5 | High phosphorous doped germanium: Dopant diffusion and modeling. Journal of Applied Physics, 2012, 112, . | 2.5 | 38 |
| 6 | Infrared absorption of n-type tensile-strained Ge-on-Si. Optics Letters, 2013, 38, 652. | 3.3 | 25 |
| 7 | Chemical Mechanical Polishing of Selective Epitaxial Grown Germanium on Silicon. ECS Journal of Solid State Science and Technology, 2014, 3, P5-P9. | 1.8 | 12 |
| 8 | High level active n^+ doping of strained germanium through co-implantation and nanosecond pulsed laser melting. Journal of Applied Physics, 2018, 123, . | 2.5 | 12 |
| 9 | Engineering broadband and anisotropic photoluminescence emission from rare earth doped tellurite thin film photonic crystals. Optics Express, 2012, 20, 2124. | 3.4 | 9 |
| 10 | High n^{++} doped germanium: Dopant in-diffusion and modeling. , 2011, , . | | 0 |
| 11 | Theoretical analysis of bulk Ge-on-Si laser performance. , 2013, , . | | 0 |
| 12 | Reversed self-steepening in nonlinear pulse propagation along a silicon nano-crystal slot waveguide with engineered dispersion of nonlinearity. , 2013, , . | | 0 |
| 13 | High n-Type Doping in Ge for Optical Gain and Lasing. Solid State Phenomena, 2013, 205-206, 394-399. | 0.3 | 0 |
| 14 | Mid-infrared silicon waveguide resonators with $Q \sim 10^5$ by using photonic crystal cavities. Materials Research Society Symposia Proceedings, 2013, 1510, 1. | 0.1 | 0 |
| 15 | Mid-infrared silicon waveguide resonators with $Q \sim 10^5$ by using Bragg grating cavities. , 2012, , . | | 0 |