

# Yan Cai

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11894396/publications.pdf>

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	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
2	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
3	Theoretical analysis of bulk Ge-on-Si laser performance. , 2013, , .		0
4	Reversed self-steepening in nonlinear pulse propagation along a silicon nano-crystal slot waveguide with engineered dispersion of nonlinearity. , 2013, , .		0
5	Infrared absorption of n-type tensile-strained Ge-on-Si. Optics Letters, 2013, 38, 652.	3.3	25
6	High n-Type Doping in Ge for Optical Gain and Lasing. Solid State Phenomena, 2013, 205-206, 394-399.	0.3	0
7	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
8	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
9	Direct band gap narrowing in highly doped Ge. Applied Physics Letters, 2013, 102, .	3.3	84
10	An electrically pumped germanium laser. Optics Express, 2012, 20, 11316.	3.4	689
11	Engineering broadband and anisotropic photoluminescence emission from rare earth doped tellurite thin film photonic crystals. Optics Express, 2012, 20, 2124.	3.4	9
12	High active carrier concentration in n-type, thin film Ge using delta-doping. Optical Materials Express, 2012, 2, 1462.	3.0	55
13	High phosphorous doped germanium: Dopant diffusion and modeling. Journal of Applied Physics, 2012, 112, .	2.5	38
14	Mid-infrared silicon waveguide resonators with $Q \sim 10^5$ by using Bragg grating cavities. , 2012, , .		0
15	High $n^{++}$ doped germanium: Dopant in-diffusion and modeling. , 2011, , .		0