

# Jiadong Yu

## List of Publications by Year in descending order

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17  
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1307594

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docs citations

18  
times ranked

356  
citing authors

#	ARTICLE	IF	CITATIONS
1	Integrated High-Q Crystalline AlN Microresonators for Broadband Kerr and Raman Frequency Combs. ACS Photonics, 2018, 5, 1943-1950.	6.6	71
2	Aluminum nitride-on-sapphire platform for integrated high-Q microresonators. Optics Express, 2017, 25, 587.	3.4	48
3	Study on efficiency droop in InGaN/GaN light-emitting diodes based on differential carrier lifetime analysis. Applied Physics Letters, 2016, 108, .	3.3	40
4	Generation of multiple near-visible comb lines in an AlN microring via $\chi^{(2)}$ and $\chi^{(3)}$ optical nonlinearities. Applied Physics Letters, 2018, 113, .	3.3	25
5	Study on Injection Efficiency in InGaN/GaN Multiple Quantum Wells Blue Light Emitting Diodes. Applied Physics Express, 0, 1, 021101.	2.4	17
6	Semiconductor up-converter based on cascade carrier transport for infrared detection/imaging. Applied Physics Letters, 2015, 107, .	3.3	11
7	Influence of dislocation density on internal quantum efficiency of GaN-based semiconductors. AIP Advances, 2017, 7, 035321.	1.3	11
8	Oxides formation on hydrophilic bonding interface in plasma-assisted InP/Al <sub>2</sub> O <sub>3</sub> /SOI direct wafer bonding. AIP Advances, 2017, 7, .	1.3	9
9	A high-Q mid-infrared Tamm plasmon absorber using MgF <sub>2</sub> and Ge aperiodic tandem films designed by the genetic algorithm. AIP Advances, 2022, 12, .	1.3	5
10	Edge dislocation induced self-assembly of InGaN nano-flower on GaN by metal organic vapor phase epitaxy. Journal of Applied Physics, 2011, 110, 014311.	2.5	4
11	An InP-Based Mid-Wave Infrared Up-Converter Utilizing Cascade Carrier Transportation. IEEE Photonics Technology Letters, 2016, 28, 1371-1374.	2.5	2
12	Improvement on performance of cascade infrared up-converter using metal grid electrodes. Infrared Physics and Technology, 2017, 83, 195-199.	2.9	2
13	Effect of NH <sub>4</sub> OH Treatment on Plasma-Assisted InP/Al <sub>2</sub> O <sub>3</sub> /SOI Direct Wafer Bonding. Physica Status Solidi (A) Applications and Materials Science, 2018, 215, 1700739.	1.8	1
14	Dark current in long-wave cascade-transport infrared up-converters. Infrared Physics and Technology, 2019, 96, 10-16.	2.9	1
15	Simultaneous Kerr Comb and Efficient Second-Harmonic Generation in a LNOI Microring Resonator Through Dispersion Engineering. , 2021, , .		0
16	A GaAs-based up-converter for mid-infrared detection utilizing quantum cascade transport. , 2017, , .		0
17	Antisymmetric-Nonlinear LNOI Waveguide for Highly Efficient Second-Harmonic Generation. , 2020, , .		0