

# Bozhang Dong

## List of Publications by Year in descending order

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26  
papers

321  
citations

933447

10  
h-index

1058476

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g-index

26  
all docs

26  
docs citations

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times ranked

199  
citing authors

#	ARTICLE	IF	CITATIONS
1	1.3- $\mu\text{m}$ Reflection Insensitive InAs/GaAs Quantum Dot Lasers Directly Grown on Silicon. IEEE Photonics Technology Letters, 2019, 31, 345-348.	2.5	83
2	Physics and applications of quantum dot lasers for silicon photonics. Nanophotonics, 2020, 9, 1271-1286.	6.0	38
3	Epitaxial quantum dot lasers on silicon with high thermal stability and strong resistance to optical feedback. APL Photonics, 2020, 5, .	5.7	32
4	Dynamic and nonlinear properties of epitaxial quantum dot lasers on silicon for isolator-free integration. Photonics Research, 2019, 7, 1222.	7.0	27
5	Uncovering recent progress in nanostructured light-emitters for information and communication technologies. Light: Science and Applications, 2021, 10, 156.	16.6	25
6	Effect of p-doping on the intensity noise of epitaxial quantum dot lasers on silicon. Optics Letters, 2020, 45, 4887.	3.3	21
7	Frequency comb dynamics of a 1.3- $\mu\text{m}$ hybrid-silicon quantum dot semiconductor laser with optical injection. Optics Letters, 2019, 44, 5755.	3.3	18
8	Dynamic and nonlinear properties of epitaxial quantum-dot lasers on silicon operating under long- and short-cavity feedback conditions for photonic integrated circuits. Physical Review A, 2021, 103, .	2.5	15
9	Influence of the polarization anisotropy on the linewidth enhancement factor and reflection sensitivity of 1.55- $\mu\text{m}$ InP-based InAs quantum dot lasers. Applied Physics Letters, 2019, 115, .	3.3	11
10	Dynamic performance and reflection sensitivity of quantum dot distributed feedback lasers with large optical mismatch. Photonics Research, 2021, 9, 1550.	7.0	11
11	1.3- $\mu\text{m}$ passively mode-locked quantum dot lasers epitaxially grown on silicon: gain properties and optical feedback stabilization. JPhys Photonics, 2020, 2, 045006.	4.6	11
12	Four-wave mixing in 1.3- $\mu\text{m}$ epitaxial quantum dot lasers directly grown on silicon. Photonics Research, 2020, .	7.0	7
13	Spectral dispersion of the linewidth enhancement factor and four wave mixing conversion efficiency of an InAs/GaAs multimode quantum dot laser. Applied Physics Letters, 2022, 120, .	3.3	6
14	Multimode Physics in the Mode Locking of Semiconductor Quantum Dot Lasers. Applied Sciences (Switzerland), 2022, 12, 3504.	2.5	6
15	Quantum dot lasers based photonics integrated circuits. , 2020, , .		3
16	Temperature dependent linewidth rebroadening in quantum dot semiconductor lasers. Journal Physics D: Applied Physics, 2020, 53, 235106.	2.8	2
17	P-doping effect on external optical feedback dynamics in 1.3-microns InAs/GaAs quantum dot laser epitaxially grown on silicon. , 2020, , .		2
18	Dynamic properties of two-state lasing quantum dot laser for external optical feedback resistant applications. , 2020, , .		1

#	ARTICLE	IF	CITATIONS
19	High-performance mode-locked lasers on silicon. , 2020, , .		1
20	Reflection sensitivity of InAs/GaAs epitaxial quantum dot lasers under direct modulation. Electronics Letters, 2022, 58, 363-365.	1.0	1
21	Effects of Shockley-Read-Hall recombination on the reflection sensitivity of quantum dot lasers directly grown on silicon. , 2021, , .		0
22	Intensity noise and modulation dynamic of epitaxial quantum dot semiconductor lasers on silicon. , 2021, , .		0
23	Dynamics of epitaxial quantum dot laser on silicon subject to chip-scale back-reflection for isolator-free photonics integrated circuits. , 2021, , .		0
24	Recent progress in quantum dot distributed feedback lasers with large wavelength detuning for uncooled and isolation-free applications. , 2021, , .		0
25	Frequency comb dynamics of a 13Åµm hybrid-silicon quantum dot semiconductor laser with optical injection: erratum. Optics Letters, 2020, 45, 856.	3.3	0
26	The above-threshold linewidth enhancement factor of silicon-based quantum dot lasers. , 2021, , .		0