

# Samuel Shutts

## List of Publications by Year in descending order

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16  
papers

757  
citations

1307594

7  
h-index

1372567

10  
g-index

17  
all docs

17  
docs citations

17  
times ranked

1147  
citing authors

#	ARTICLE	IF	CITATIONS
1	VCSEL Quick Fabrication for Assessment of Large Diameter Epitaxial Wafers. IEEE Photonics Journal, 2022, 14, 1-10.	2.0	6
2	150mm full wafer fabrication and characterization of 940nm emitting VCSELs for high-volume manufacture. , 2021, , .		1
3	Optical gain and absorption of 1.55µm InAs quantum dash lasers on silicon substrate. Applied Physics Letters, 2021, 118, .	3.3	5
4	Quick Fabrication VCSELs for Characterisation of Epitaxial Material. Applied Sciences (Switzerland), 2021, 11, 9369.	2.5	1
5	Sub-mA Threshold Current Vertical Cavity Surface Emitting Lasers with a Simple Fabrication Process. , 2021, , .		2
6	The limits to peak modal gain in p-modulation doped indium arsenide quantum dot laser diodes. , 2021, , .		0
7	Monolithic InP Quantum Dot Mode-Locked Lasers Emitting at 730 nm. IEEE Photonics Technology Letters, 2020, 32, 1073-1076.	2.5	7
8	Temperature Dependent Behavior of the Optical Gain and Electroabsorption Modulation Properties of an InAs/GaAs Quantum Dot Epistucture. , 2019, , .		1
9	Degradation of III-V Quantum Dot Lasers Grown Directly on Silicon Substrates. IEEE Journal of Selected Topics in Quantum Electronics, 2019, 25, 1-6.	2.9	10
10	Degradation Studies of InAs / GaAs QD Lasers Grown on Si. , 2018, , .		1
11	Increasing Maximum Gain in InAs Quantum Dot Lasers on GaAs and Si. , 2018, , .		0
12	In situ annealing enhancement of the optical properties and laser device performance of InAs quantum dots grown on Si substrates. Optics Express, 2016, 24, 6196.	3.4	26
13	Electrically pumped continuous-wave III-V quantum dot lasers on silicon. Nature Photonics, 2016, 10, 307-311.	31.4	665
14	Exploring the wavelength range of InP/AlGaInP QDs and application to dual-state lasing. Semiconductor Science and Technology, 2015, 30, 044002.	2.0	10
15	Absorption, Gain, and Threshold in InP/AlGaInP Quantum Dot Laser Diodes. IEEE Journal of Quantum Electronics, 2013, 49, 389-394.	1.9	7
16	Temperature-Dependent Threshold Current in InP Quantum-Dot Lasers. IEEE Journal of Selected Topics in Quantum Electronics, 2011, 17, 1343-1348.	2.9	15