

# Daisuke Inoue

## List of Publications by Year in descending order

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19  
papers

118  
citations

1307594

7  
h-index

1720034

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g-index

19  
all docs

19  
docs citations

19  
times ranked

51  
citing authors

#	ARTICLE	IF	CITATIONS
1	Low-bias current 10 Gbit/s direct modulation of GaInAsP/InP membrane DFB laser on silicon. Optics Express, 2016, 24, 18571.	3.4	21
2	Energy Cost Analysis of Membrane Distributed-Reflector Lasers for On-Chip Optical Interconnects. IEEE Journal of Selected Topics in Quantum Electronics, 2015, 21, 299-308.	2.9	16
3	Monolithic Integration of Membrane-Based Butt-Jointed Built-in DFB Lasers and p-i-n Photodiodes Bonded on Si Substrate. IEEE Journal of Selected Topics in Quantum Electronics, 2015, 21, 392-398.	2.9	14
4	20-Gbit/s direct modulation of GaInAsP/InP membrane distributed-reflector laser with energy cost of less than 100 fJ/bit. Applied Physics Express, 2018, 11, 012704.	2.4	14
5	High-Efficiency Operation of Membrane Distributed-Reflector Lasers on Silicon Substrate. IEEE Journal of Selected Topics in Quantum Electronics, 2017, 23, 1-8.	2.9	13
6	Integrated Optical Link on Si Substrate Using Membrane Distributed-Feedback Laser and p-i-n Photodiode. IEEE Journal of Selected Topics in Quantum Electronics, 2017, 23, 1-8.	2.9	12
7	High Efficiency Operation of GaInAsP/InP Membrane Distributed-Reflector Laser on Si. IEEE Photonics Technology Letters, 2017, 29, 1832-1835.	2.5	9
8	Room-temperature continuous-wave operation of lateral current injection membrane laser. , 2013, , .		8
9	Butt-joint built-in (BJB) structure for membrane photonic integration. , 2013, , .		4
10	GaInAsP/InP Lateral-Current-Injection Membrane DFB Laser Integrated with GaInAsP Waveguides on Si Substrate. , 2014, , .		3
11	Low-threshold-current operation of lateral current injection membrane distributed-feedback laser bonded on Si. , 2014, , .		3
12	Integration of membrane-based DFB laser and PIN photodiode on Si substrate toward on-chip interconnection. , 2015, , .		1
13	Electrode Position Dependence of Energy Cost in Lateral-Current-Injection Membrane Distributed Reflector Laser. , 2014, , .		0
14	Membrane photonic integration on Si platform. , 2015, , .		0
15	Room-temperature continuous-wave operation of $\pi/4$ -shifted membrane distributed feedback lasers. , 2015, , .		0
16	High modulation efficiency of sub-milliamper threshold GaInAsP/InP membrane DFB laser. , 2015, , .		0
17	10 Gbit/s data transmission through optical link by using membrane DFB laser and PIN-PD. , 2016, , .		0
18	High efficiency operation of membrane distributed-reflector laser with reduced index coupling coefficient structure. , 2017, , .		0

#	ARTICLE	IF	CITATIONS
19	Low Threshold and High Speed Operation of 1.55- $\mu$ m-Band Lasers by InP-Based Membrane Structure. The Review of Laser Engineering, 2016, 44, 508.	0.0	0