

Jan Muszalski

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

21
papers

218
citations

9
h-index

14
g-index

29
ext. papers

284
ext. citations

2.1
avg, IF

2.46
L-index

#	Paper	IF	Citations
21	High-Power 1770 nm Emission of a Membrane External-Cavity Surface-Emitting Laser. <i>IEEE Journal of Quantum Electronics</i> , 2021 , 57, 1-6	2	3
20	Nanoindentation of GaAs/AlAs distributed bragg reflector grown on GaAs substrate. <i>Materials Science in Semiconductor Processing</i> , 2020 , 109, 104912	4.3	1
19	Membrane external-cavity surface-emitting laser emitting at 1640 nm. <i>Optics Letters</i> , 2020 , 45, 539	3	7
18	Growth and characterization of InP-based 1750 nm emitting membrane external-cavity surface-emitting laser. <i>Applied Physics B: Lasers and Optics</i> , 2020 , 126, 1	1.9	1
17	MBE growth of strain-compensated InGaAs/InAlAs/InP quantum cascade lasers. <i>Journal of Crystal Growth</i> , 2017 , 466, 22-29	1.6	19
16	Highly efficient heat extraction by double diamond heat-spreaders applied to a vertical external cavity surface-emitting laser. <i>Optical and Quantum Electronics</i> , 2017 , 49, 1	2.4	11
15	A 95-nm-wide Tunable Two-Mode Vertical External Cavity Surface-Emitting Laser. <i>IEEE Photonics Technology Letters</i> , 2017 , 29, 2215-2218	2.2	4
14	Optical examination of high contrast grating fabricated by focused-ion beam etching. <i>Optical and Quantum Electronics</i> , 2016 , 48, 1	2.4	
13	Dual-wavelength vertical external-cavity surface-emitting laser: strict growth control and scalable design. <i>Applied Physics B: Lasers and Optics</i> , 2016 , 122, 1	1.9	4
12	Impact of strain on periodic gain structures in vertical external cavity surface-emitting lasers. <i>Applied Physics B: Lasers and Optics</i> , 2016 , 122, 1	1.9	3
11	Switchable double wavelength generating vertical external cavity surface-emitting laser. <i>Optics Express</i> , 2014 , 22, 6447-52	3.3	8
10	Molecular-beam epitaxy growth and characterization of mid-infrared quantum cascade laser structures. <i>Microelectronics Journal</i> , 2009 , 40, 565-569	1.8	17
9	The influence of the growth rate and V/III ratio on the crystal quality of InGaAs/GaAs QW structures grown by MBE and MOCVD methods. <i>Journal of Crystal Growth</i> , 2009 , 311, 4423-4432	1.6	17
8	The influence of the growth temperature and interruption time on the crystal quality of InGaAs/GaAs QW structures grown by MBE and MOCVD methods. <i>Journal of Crystal Growth</i> , 2008 , 310, 2785-2792	1.6	17
7	Improvement of quantum efficiency of MBE grown AlGaAs/InGaAs/GaAs edge emitting lasers by optimisation of construction and technology. <i>Vacuum</i> , 2007 , 82, 383-388	3.7	1
6	Measurement of linewidth enhancement factor in self-assembled quantum dot semiconductor lasers emitting at 1310 nm. <i>Electronics Letters</i> , 2004 , 40, 428	1.1	34
5	Photoluminescence mapping and angle-resolved photoluminescence of MBE-grown InGaAs/GaAs RC LED and VCSEL structures. <i>Thin Solid Films</i> , 2002 , 412, 114-121	2.2	9

4	Pyrometric interferometry during MBE growth of laser heterostructures. <i>Thin Solid Films</i> , 2000 , 367, 299-301	2.2	8
3	The effect of the MBE growth rate on the surface phase diagram for GaAs (001). <i>Thin Solid Films</i> , 1995 , 267, 51-53	2.2	4
2	Static phase diagrams of reconstructions for MBE-grown GaAs(001) and AlAs(001) surfaces. <i>Thin Solid Films</i> , 1995 , 267, 54-57	2.2	22
1	The effect of pressure on the luminescence from GaAs/AlGaAs quantum wells. <i>Semiconductor Science and Technology</i> , 1994 , 9, 2239-2246	1.8	26