Mohamad Dernaika

List of Publications by Year
in descending order

27	171	1163117 8	1199594 12
papers	citations	h-index	g-index

27	27	27	190
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A Switchable Figure Eight Erbium-Doped Fiber Laser Based on Inter-Modal Beating By Means of Non-Adiabatic Microfiber. Journal of Lightwave Technology, 2015, 33, 528-534.	4.6	29
2	Tunable dual-wavelength thulium-doped fiber laser at 1.8ÂĨ¼m region using spatial-mode beating. Journal of Modern Optics, 2015, 62, 892-896.	1.3	20
3	Coupled Cavity Single-Mode Laser Based on Regrowth-Free Integrated MMI Reflectors. IEEE Photonics Technology Letters, 2016, 28, 1313-1316.	2.5	19
4	Integrated dual optical frequency comb source. Optics Express, 2020, 28, 16900.	3.4	13
5	Mode Suppression in Injection Locked Multi-Mode and Single-Mode Lasers for Optical Demultiplexing. Photonics, 2019, 6, 27.	2.0	9
6	Teleoperation Scheduling Algorithm for Smart Grid Communications in LTE Network. Applied Mechanics and Materials, 2014, 666, 340-345.	0.2	8
7	Stabilized single longitudinal mode fibre ring laser based on an inline dual taper Mach Zehnder interferometer filter coated with graphene oxide. Optics Communications, 2015, 341, 140-146.	2.1	8
8	Regrowth-Free Single Mode Laser Based on Dual Port Multimode Interference Reflector. IEEE Photonics Technology Letters, 2017, 29, 279-282.	2.5	8
9	Dynamics of on-chip asymmetrically coupled semiconductor lasers. Optics Letters, 2020, 45, 2223.	3.3	7
10	All-incoherent wavelength conversion in highly nonlinear fiber using four-wave mixing. Optical Engineering, 2014, 53, 096112.	1.0	6
11	A Comparison between off and On-Chip Injection Locking in a Photonic Integrated Circuit. Photonics, 2019, 6, 103.	2.0	6
12	All-fiber dual wavelength passive Q-switched fiber laser using a dispersion-decreasing taper fiber in a nonlinear loop mirror. Optics Express, 2014, 22, 22794.	3.4	5
13	On-Chip Investigation of Phase Noise in Monolithically Integrated Gain-Switched Lasers. IEEE Photonics Technology Letters, 2017, 29, 731-734.	2.5	5
14	A facetless regrowth-free single mode laser based on MMI couplers. Optics and Laser Technology, 2017, 94, 159-164.	4.6	4
15	Inverse Scattering Method Design of Regrowth-Free Single-Mode Semiconductor Lasers Using Pit Perturbations for Monolithic Integration. IEEE Photonics Journal, 2018, 10, 1-10.	2.0	4
16	Performance enhancement of pre-spectrum slicing technique for wavelength conversion. Optics Communications, 2015, 350, 154-159.	2.1	3
17	Regrowth-free integration of injection locked slotted laser with an electroabsorption modulator. Optics Express, 2017, 25, 4054.	3.4	3
18	The Effect of Relaxation Oscillations in Integrated Optical Comb Demultiplexers Based on Injection Locking. IEEE Journal of Quantum Electronics, 2019, 55, 1-6.	1.9	3

#	Article	IF	Citations
19	Regrowth-free single-mode semiconductor laser suitable for monolithic integration based on pits mirror. Optical Engineering, 2017, 56, 1.	1.0	3
20	Single facet semiconductor laser with deep etched V-notch reflectors integrated with an active multimode interference reflector. Journal of Modern Optics, 2017, 64, 1941-1946.	1.3	2
21	An Integration-Friendly Regrowth-Free Tunable Laser. IEEE Photonics Technology Letters, 2018, 30, 270-272.	2.5	2
22	Single mode semiconductor laser based on coupled cavities of an active ring laser and Fabry Perot. IET Optoelectronics, 2018, 12, 118-121.	3.3	2
23	Monolithic Integration of Photonic Devices for Use in a Regrowth-Free CoWDM Transmitter. IEEE Photonics Technology Letters, 2017, 29, 941-944.	2.5	1
24	Tunable L-band semiconductor laser based on Machâ€“Zehnder interferometer. Optics Communications, 2017, 402, 56-59.	2.1	1
25	Four-wave mixing analyses for future ultrafast wavelength conversion at 0.64 â€‰ â€‰ Tb / s in a semiconductor optical amplifier. Optical Engineering, 2014, 53, 116111.	1.0	0
26	Corrections to â€œOn-Chip Investigation of Phase Noise in Monolithically Integrated Gain-Switched Lasersâ€•[May 1, 2017 731-734]. IEEE Photonics Technology Letters, 2017, 29, 1755-1755.	2.5	0
27	Widely tunable facetless regrowth-free semiconductor laser. , 2017, , .		0