

Jaroslav Mlynczak

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2789282/publications.pdf>

Version: 2024-02-01

40
papers

256
citations

759233

12
h-index

996975

15
g-index

40
all docs

40
docs citations

40
times ranked

197
citing authors

#	ARTICLE	IF	CITATIONS
1	High peak power generation in thermally bonded Er ³⁺ , Yb ³⁺ :glass/Co ²⁺ :MgAl ₂ O ₃ microchip laser for telemetry application. Laser Physics Letters, 2015, 12, 045803.	1.4	28
2	Comparison of Low-Cost Particulate Matter Sensors for Indoor Air Monitoring during COVID-19 Lockdown. Sensors, 2020, 20, 7290.	3.8	26
3	Comparison of cw laser generation in Er ³⁺ , Yb ³⁺ : glass microchip lasers with different types of glasses. Opto-electronics Review, 2011, 19, .	2.4	18
4	Practical application of pulsed "eye-safe" microchip laser to laser rangefinders. Opto-electronics Review, 2013, 21, .	2.4	16
5	Comparison of laser generation in thermally bonded and unbonded Er ³⁺ , Yb ³⁺ :glass/Co ²⁺ :MgAl ₂ O ₄ microchip lasers. Optical Materials, 2015, 46, 561-564.	3.6	15
6	Improved laser-induced fluorescence method for bio-attack early warning detection system. Proceedings of SPIE, 2008, , .	0.8	14
7	A new approach to UVAPS data analysis towards detection of biological aerosol. Journal of Aerosol Science, 2013, 58, 148-157.	3.8	14
8	Wavelength tuning in Er ³⁺ , Yb ³⁺ :glass microchip lasers. Opto-electronics Review, 2009, 17, .	2.4	13
9	Stand-off detection of alcohol in car cabins. Journal of Applied Remote Sensing, 2014, 8, 083627.	1.3	13
10	Monolithic thermally bonded Er ³⁺ , Yb ³⁺ :glass/Co ²⁺ :MgAl ₂ O ₄ microchip lasers. Optics Communications, 2015, 356, 166-169.	2.1	12
11	Thermal analysis of a diffusion bonded Er ³⁺ , Yb ³⁺ :glass/Co ²⁺ :MgAl ₂ O ₄ microchip lasers. Optical Materials, 2016, 60, 546-551.	3.6	12
12	A new real-time bio-aerosol fluorescence detector based on semiconductor CW excitation UV laser. Journal of Aerosol Science, 2016, 100, 14-25.	3.8	12
13	Improved real-time bio-aerosol classification using artificial neural networks. Atmospheric Measurement Techniques, 2018, 11, 6259-6270.	3.1	12
14	Performance analysis of thermally bonded Er ³⁺ , Yb ³⁺ :glass/Co ²⁺ :MgAl ₂ O ₄ microchip lasers. Optical and Quantum Electronics, 2016, 48, 1.	3.3	9
15	The Multi-Gas Sensor for Remote UAV and UGV Missions"Development and Tests. Sensors, 2021, 21, 7608.	3.8	8
16	Assessment of the application of cascade lasers to stand-off detection of alcohol vapors in moving cars. Journal of Applied Remote Sensing, 2016, 10, 046010.	1.3	6
17	Stand-Off Detection of Alcohol Vapors Exhaled by Humans. Sensors, 2018, 18, 1310.	3.8	4
18	Pulse laser head with monolithic thermally bonded microchip operating at 1.5 μ m wavelength. Proceedings of SPIE, 2016, , .	0.8	3

#	ARTICLE	IF	CITATIONS
19	Detection of Inflatable Boats and People in Thermal Infrared with Deep Learning Methods. Sensors, 2021, 21, 5330.	3.8	3
20	Practical application of cross correlation technique to measure jitter of master-oscillator-power-amplifier (MOPA) laser system. Opto-electronics Review, 2014, 22, .	2.4	2
21	Laser generation in newly developed PAL77 and PAL80 glasses doped with Er ³⁺ and Yb ³⁺ ions. Laser Physics, 2015, 25, 055802.	1.2	2
22	Optoelectronic system for stand-off detection of alcohol vapours. , 2018, , .		2
23	Estimation of nominal ocular hazard distance and nominal ocular dazzle distance for multibeam laser radiation. Applied Optics, 2021, 60, 6414.	1.8	2
24	Remote detection of heterogeneously spread alcohol vapors in the cabins of moving vehicles. Journal of Applied Remote Sensing, 2019, 13, 1.	1.3	2
25	NASYCENIE PROCESU ABSORPCJI PROMIENIOWANIA TERMICZNEGO W ATMOSFERYCZNYM DWUTLENKU WÄ~GLA. Informatyka Automatyka Pomiary W Gospodarce I Ochronie Åšrodowiska, 2020, 10, 77-81.	0.4	2
26	The application of semiconductor based UV sources for the detection and classification of biological material. Proceedings of SPIE, 2013, , .	0.8	1
27	Comparative study of the small signal gain coefficient and the dissipative losses evaluation methods of three-level microchip lasers. Optical Materials, 2015, 46, 93-96.	3.6	1
28	Investigations of Non-Linear Absorption of Q-Switching Saturable Absorbers and Determination of their Main Parameters. Solid State Phenomena, 2015, 230, 193-198.	0.3	1
29	Estimation method of the optimal reflection of the output coupler for cw generation over a range of pump power for three level microchip lasers. Optik, 2016, 127, 1320-1322.	2.9	1
30	Investigation of the Impact of the Pumping Beam Waist Size and Position on the Efficiency of YVO4/Ndâ€‰%:â€‰%YVO4/YVO4 Laser Generation. International Journal of Optics, 2021, 2021, 1-5.	1.4	1
31	Calculation and analysis of laser hazard distances in navigable airspace for multi-beam visible CW laser radiation. Advanced Optical Technologies, 2022, 11, 33-46.	1.7	1
32	The laser detector of bio-aerosols. , 2016, , .		0
33	Real-time measurement and analysis of single biological particle's fluorescence and scattering. , 2018, , .		0
34	Integration of alumina-phosphate glass with cobalt-doped magnesium aluminate structure using a hot embossing technique for microlaser development. Applied Optics, 2021, 60, 1456.	1.8	0
35	Laser toys fail to comply with safety standards“ case study based on laser product classification. Advanced Optical Technologies, 2021, 10, 139-142.	1.7	0
36	Estimation of nominal ocular hazard distance and nominal ocular dazzle distance for multibeam laser radiation: publisherâ€™s note. Applied Optics, 2021, 60, 6849.	1.8	0

#	ARTICLE	IF	CITATIONS
37	Multiwavelength laser scattering tomography. Proceedings of SPIE, 2017, , .	0.8	0
38	Mobile border verification of travellers based on fingerprints: experimental studies. , 2018, , .		0
39	Microwave sensors for detection of floating objects on rivers. , 2020, , .		0
40	Laser dazzler emitting three-colour radiation. Photonics Letters of Poland, 2022, 14, 4.	0.4	0