Dmitriy Shiyanov

List of Publications by Year
in descending order

20 papers	225 citations	1040056 9 h-index	996975 15 g-index
21 all docs	21 docs citations	21 times ranked	54 citing authors

#	Article	IF	Citations
1	Laser monitor for non-destructive testing of materials and processes shielded by intensive background lighting. Review of Scientific Instruments, 2014, 85, 033111.	1.3	71
2	A bistatic laser monitor. Technical Physics Letters, 2016, 42, 632-634.	0.7	25
3	Copper bromide vapour laser with an output pulse duration of up to 320 ns. Quantum Electronics, 2016, 46, 57-60.	1.0	20
4	Atmospheric bistatic communication channels with scattering. Part 1. Methods of study. Atmospheric and Oceanic Optics, 2013, 26, 364-370.	1.3	16
5	MnBr vapor active medium with a built-in reactor at 100-kHz pulse repetition frequency. Atmospheric and Oceanic Optics, 2014, 27, 458-462.	1.3	13
6	Imaging system with brightness amplification for a metal-nanopowder-combustion study. Journal of Applied Physics, 2020, 127, .	2.5	13
7	Spatialâ€"temporal gain distribution of a CuBr vapor brightness amplifier. Applied Physics B: Lasers and Optics, 2016, 122, 1.	2.2	12
8	In situ nanopowder combustion visualization using laser systems with brightness amplification. Proceedings of the Combustion Institute, 2021, 38, 1695-1702.	3.9	10
9	Spatialâ€"temporal radiation distribution in a CuBr vapor brightness amplifier in a real laser monitor scheme. Applied Physics B: Lasers and Optics, 2020, 126, 1.	2.2	9
10	A Brightness Amplifier on Manganese Atom Transitions with a Pulse Repetition Frequency of up to 100 kHz. Technical Physics Letters, 2018, 44, 1180-1183.	0.7	7
11	Metal Vapor Lasers. Atmospheric and Oceanic Optics, 2020, 33, 69-79.	1.3	7
12	Study of scalability of capacitive excited CuBr lasers. Atmospheric and Oceanic Optics, 2013, 26, 241-244.	1.3	6
13	A reversible HBr source for a copper bromide vapor laser. Instruments and Experimental Techniques, 2013, 56, 349-352.	0.5	6
14	The possibility of increasing the efficiency of CuBr lasers in the regime of double pump pulses. Technical Physics Letters, 2015, 41, 759-761.	0.7	3
15	Iron bromide vapor laser. Technical Physics Letters, 2016, 42, 321-324.	0.7	3
16	Combined weak-current discharge in a copper-vapor laser. Technical Physics, 2016, 61, 1395-1398.	0.7	2
17	Europium vapor laser. Atmospheric and Oceanic Optics, 2017, 30, 489-494.	1.3	1
18	The Comparison of Lasing Parameters of NeÂ+ÂEu and HeÂ+ÂEu Lasers. Atmospheric and Oceanic Optics, 2019, 32, 366-369.	1.3	1

#	Article	IF	Citations
19	A CuBr laser with high efficiency in the double-pumping-pulse mode. Technical Physics Letters, 2017, 43, 238-240.	0.7	0
20	Metal Vapor Active Element Design. Atmospheric and Oceanic Optics, 2019, 32, 706-709.	1.3	0