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	In situ nanopowder combustion visualization using laser systems with brightness amplification. Proceedings of the Combustion Institute, 2021, 38, 1695-1702.	3.9	10
2	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
3	Imaging system with brightness amplification for a metal-nanopowder-combustion study. Journal of Applied Physics, 2020, 127, .	2.5	13
4	Metal Vapor Lasers. Atmospheric and Oceanic Optics, 2020, 33, 69-79.	1.3	7
5	The Comparison of Lasing Parameters of NeÂ+ÂEu and HeÂ+ÂEu Lasers. Atmospheric and Oceanic Optics, 2019, 32, 366-369.	1.3	1
6	Metal Vapor Active Element Design. Atmospheric and Oceanic Optics, 2019, 32, 706-709.	1.3	0
7	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
8	A CuBr laser with high efficiency in the double-pumping-pulse mode. Technical Physics Letters, 2017, 43, 238-240.	0.7	0
9	Europium vapor laser. Atmospheric and Oceanic Optics, 2017, 30, 489-494.	1.3	1
10	Combined weak-current discharge in a copper-vapor laser. Technical Physics, 2016, 61, 1395-1398.	0.7	2
11	Iron bromide vapor laser. Technical Physics Letters, 2016, 42, 321-324.	0.7	3
12	A bistatic laser monitor. Technical Physics Letters, 2016, 42, 632-634.	0.7	25
13	Spatialâ€“temporal gain distribution of a CuBr vapor brightness amplifier. Applied Physics B: Lasers and Optics, 2016, 122, 1.	2.2	12
14	Copper bromide vapour laser with an output pulse duration of up to 320 ns. Quantum Electronics, 2016, 46, 57-60.	1.0	20
15	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
16	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
17	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
18	Study of scalability of capacitive excited CuBr lasers. Atmospheric and Oceanic Optics, 2013, 26, 241-244.	1.3	6

#	Article	IF	Citations
19	Atmospheric bistatic communication channels with scattering. Part 1. Methods of study. Atmospheric and Oceanic Optics, 2013, 26, 364-370.	1.3	16
20	A reversible HBr source for a copper bromide vapor laser. Instruments and Experimental Techniques, 2013, 56, 349-352.	0.5	6