

Leonid D Mikheev

List of Publications by Year in descending order

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18
papers

152
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1307594

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1199594

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18
docs citations

18
times ranked

39
citing authors

#	ARTICLE	IF	CITATIONS
1	Amplification of ultrashort laser pulses in the photolytically driven XeF(Câ€“A) active medium. Applied Physics Letters, 2002, 81, 403-405.	3.3	27
2	Architecture of a blue high contrast multiterawatt ultrashort laser. Applied Physics B: Lasers and Optics, 2006, 82, 347-358.	2.2	26
3	Numerical simulation of the active medium and investigation of the pump source for the development of a photochemical XeF(Câ€“A) amplifier of femtosecond optical pulses. Quantum Electronics, 2001, 31, 617-622.	1.0	23
4	XeF(Câ€“A) laser pumped by formed-ferrite open discharge radiation. Applied Physics Letters, 1997, 70, 1198-1200.	3.3	15
5	Photochemical gas lasers and hybrid (solid/gas) blue-green femtosecond systems. Progress in Quantum Electronics, 2012, 36, 98-142.	7.0	12
6	Laser beam shaping with circular serrated apertures I Spatial filtering. Applied Optics, 2019, 58, 4905.	1.8	10
7	Direct amplification of frequency-doubled femtosecond pulses from Ti:Sa laser in photochemically driven XeF(C -A) active media. , 2004, , .		9
8	Vacuum ultraviolet radiative properties of formedâ€“ferrite discharge with prepulse initiation. Journal of Applied Physics, 1996, 80, 2094-2096.	2.5	7
9	Photolytical XeF(Câ€“A) laser amplifier of femtosecond optical pulses: gain measurements and pump efficiency. Applied Physics B: Lasers and Optics, 2008, 91, 447-454.	2.2	7
10	Laser beam shaping with circular serrated apertures II Theory of the beam profile formation. Applied Optics, 2019, 58, 4910.	1.8	5
11	Transport of broadband arbitrary radiation through a bleaching medium. Optics Letters, 2001, 26, 408.	3.3	3
12	Prospects for ultrashort hybrid solid-gas high-contrast multiterawatt laser in the blue-green region. , 2004, , .		3
13	Multiterawatt Hybrid (Solid/Gas) Femtosecond Systems in the Visible. , 2016, , .		3
14	Femtosecond XeF(C-A) amplifier pumped by radiation from surface discharge: gain measurements and pump efficiency. Proceedings of SPIE, 2007, , .	0.8	1
15	Frankâ€“Condon principle and adjustment of optical waveguides with nonhomogeneous refractive indices. Journal of Russian Laser Research, 2009, 30, 49-54.	0.6	1
16	Optical pumping of chemical HF lasers on the basis of NF3â€“H2and ClF5â€“H2mixtures by an open surface discharge in the bleaching-wave mode. Quantum Electronics, 2001, 31, 611-616.	1.0	0
17	Explicit solution of FWM problem under the interaction of co-propagating laser beams in medium with cubic nonlinear response. Proceedings of SPIE, 2016, , .	0.8	0
18	THL-100 multi-terawatt laser system of a visible range. Proceedings of SPIE, 2017, , .	0.8	0