Petrov Victor

List of Publications by Year
in descending order

30 papers	113 citations	1478505 6 h-index	1588992 8 g-index
30 all docs	30 docs citations	30 times ranked	111 citing authors

#	Article	IF	Citations
1	Fabrication and optical properties of Y2O3-based ceramics with broad emission bandwidth. Journal of the European Ceramic Society, 2012, 32, 4257-4262.	5.7	31
2	BeAl6O10:Cr3+ (Ti3+, Ni2+) laser crystals and their spectroscopic characteristics. Optical Materials, 2003, 24, 519-525.	3.6	12
3	Laser ceramics with disordered crystalline structure. Journal of Applied Mechanics and Technical Physics, 2015, 56, 150-157.	0.5	11
4	Physical properties of BeAl6O10 single crystals. Journal of Applied Physics, 1997, 82, 3661-3666.	2.5	10
5	Simulation of picosecond pulse propagation in fibre-based radiation shaping units. Quantum Electronics, 2016, 46, 801-805.	1.0	8
6	Multiterawatt femtosecond laser system with kilohertz pulse repetition rate. Quantum Electronics, 2014, 44, 452-457.	1.0	7
7	Design of high gain OPCPA for multiterawatt and petawatt class systems on large aperture LBO crystals. , 2010, , .		6
8	Ultrarelativistic laser systems based on coherent beam combining. , 2012, , .		4
9	The design of Yb:Y₂O₃ceramic diode-pumped multipass amplifier operating at cryogenic temperatures. Laser Physics, 2014, 24, 074014.	1.2	4
10	Spectroscopic and laser properties of BeLaAl 11 O 19 single crystals doped with Cr3+, Ti3+, and Nd3+ions. , 2001, 4350, 68.		3
11	Spectroscopic properties of Cr3+ions in KTP single crystals. , 2002, 4766, 71.		3
12	The modeling of supercontinuum generation in photonic-crystal fibre in the spectral broadening unit of high-intensity laser system. , 2015, , .		3
13	Elastic properties of beryllium-lantanum hexaaluminate crystal, BeLaAl11O19. Crystallography Reports, 2001, 46, 450-455.	0.6	2
14	<title>Availability of new Yb:YV0<formula><inf><roman>4</roman></inf></formula> and Yb:Gd<formula><inf><roman>x</roman></inf></formula>Y<formula><inf><roman>1-x</roman></inf></formula>VO<formula><inf><ro laser crystals for femtosecond laser systems at low temperature</title>. , 2005, , .		2
15	Thermo-optical properties of beryllium containing oxide crystals as materials for high power laser systems. , 2007, , .		2
16	<title>Hybrid ytterbium doped active medium for femtosecond lasers</title>. , 2007, , .		2
17	A parametric amplification unit based on nonlinear borate crystals for multiterawatt femtosecond laser system. , 2016, , .		2
18	<title>Hybrid high power femtosecond laser system</title>. , 2006, , .		1

#	Article	IF	Citations
19	Doped solid state media for tunable lasers in the IR. , 1992, , .		0
20	Investigation of Kerr-lens mode locking in lasers with composite active media. , 2001, , .		0
21	<title>Spectroscopic and laser properties of BeLaAl<formula><inf><roman>11</roman></inf></formula>O<formula><inf><roman>19</roman></inf></formula> crystals doped with Cr<formula>^{<roman>3+</roman>}</formula> and Nd<formula>^{<roman>3+</roman>}</formula> ions</title>. , 2006, 6054, 137.		0
22	Spatiotemporal reshaping and compression of high intensity femtosecond pulses. , 2007, , .		0
23	Features of femtosecond laser pulses interaction with laser nanoceramics. Proceedings of SPIE, 2007, , .	0.8	0
24	Partially disordered Yb:Gd x Y 1-x VO 4 crystal for femtosecond lasers. , 2007, , .		0
25	Measurement of thermal lensing in end-pumped Yb-doped yttrium vanadate crystal and sesquioxide laser ceramics. , 2010, , .		0
26	The seed signal for the parametric amplification channel of multiterawatt femtosecond laser system. , 2014, , .		0
27	Implementation of multiterawatt femtosecond laser system at kilohertz repetition rate. , 2014, , .		0
28	Components of femtosecond laser system based on diode-pumped Yb-doped media. Laser Physics, 2014, 24, 074015.	1.2	0
29	The amplification of transform-limited pulses in media with homogeneously broadened line. , 2016, , .		0
30	Carrier-envelope offset phase control and stabilization of kilohertz solid-state laser system. , 2016, , .		0