

Petrov Victor

List of Publications by Year in descending order

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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	The amplification of transform-limited pulses in media with homogeneously broadened line. , 2016,,.	0	
2	A parametric amplification unit based on nonlinear borate crystals for multiterawatt femtosecond laser system. , 2016,,.	2	
3	Carrier-envelope offset phase control and stabilization of kilohertz solid-state laser system. , 2016,,.	0	
4	Simulation of picosecond pulse propagation in fibre-based radiation shaping units. Quantum Electronics, 2016, 46, 801-805.	1.0	8
5	The modeling of supercontinuum generation in photonic-crystal fibre in the spectral broadening unit of high-intensity laser system. , 2015,,.	3	
6	Laser ceramics with disordered crystalline structure. Journal of Applied Mechanics and Technical Physics, 2015, 56, 150-157.	0.5	11
7	The seed signal for the parametric amplification channel of multiterawatt femtosecond laser system. , 2014,,.	0	
8	Implementation of multiterawatt femtosecond laser system at kilohertz repetition rate. , 2014,,.	0	
9	Multiterawatt femtosecond laser system with kilohertz pulse repetition rate. Quantum Electronics, 2014, 44, 452-457.	1.0	7
10	The design of Yb:Y ₂ O ₃ ceramic diode-pumped multipass amplifier operating at cryogenic temperatures. Laser Physics, 2014, 24, 074014.	1.2	4
11	Components of femtosecond laser system based on diode-pumped Yb-doped media. Laser Physics, 2014, 24, 074015.	1.2	0
12	Fabrication and optical properties of Y ₂ O ₃ -based ceramics with broad emission bandwidth. Journal of the European Ceramic Society, 2012, 32, 4257-4262.	5.7	31
13	Ultrarelativistic laser systems based on coherent beam combining. , 2012,,.	4	
14	Design of high gain OPCPA for multiterawatt and petawatt class systems on large aperture LBO crystals. , 2010,,.	6	
15	Measurement of thermal lensing in end-pumped Yb-doped yttrium vanadate crystal and sesquioxide laser ceramics. , 2010,,.	0	
16	Spatiotemporal reshaping and compression of high intensity femtosecond pulses. , 2007,,.	0	
17	Thermo-optical properties of beryllium containing oxide crystals as materials for high power laser systems. , 2007,,.	2	
18	Features of femtosecond laser pulses interaction with laser nanoceramics. Proceedings of SPIE, 2007,,.	0.8	0

#	ARTICLE	IF	CITATIONS
19	<title>Hybrid ytterbium doped active medium for femtosecond lasers</title>, 2007, , .	2	
20	Partially disordered Yb:Gd _x Y _{1-x} VO ₄ crystal for femtosecond lasers. , 2007, , .	0	
21	<title>Spectroscopic and laser properties of BeLaAl _x O ₁₁ crystals doped with Cr ³⁺ and Nd ³⁺ </title>, 2006, 6054, 137.	0	
22	<title>Hybrid high power femtosecond laser system</title>, 2006, , .	1	
23	<title>Availability of new Yb:YVO ₄ and Yb:Gd _x Y _{1-x} VO ₄ laser crystals for femtosecond laser systems at low temperature</title>, 2005, , .	2	
24	BeAl ₆ O ₁₀ :Cr ³⁺ (Ti ³⁺ , Ni ²⁺) laser crystals and their spectroscopic characteristics. Optical Materials, 2003, 24, 519-525.	3.6	12
25	Spectroscopic properties of Cr ³⁺ ions in KTP single crystals. , 2002, 4766, 71.	3	
26	Investigation of Kerr-lens mode locking in lasers with composite active media. , 2001, , .	0	
27	Elastic properties of beryllium-lanthanum hexaaluminate crystal, BeLaAl ₁₁ O ₁₉ . Crystallography Reports, 2001, 46, 450-455.	0.6	2
28	Spectroscopic and laser properties of BeLaAl ₁₁ O ₁₉ single crystals doped with Cr ³⁺ , Ti ³⁺ , and Nd ³⁺ ions. , 2001, 4350, 68.	3	
29	Physical properties of BeAl ₆ O ₁₀ single crystals. Journal of Applied Physics, 1997, 82, 3661-3666.	2.5	10
30	Doped solid state media for tunable lasers in the IR. , 1992, , .	0	