

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

