

Johan Petit

List of Publications by Year in descending order

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papers

301
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23
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23
docs citations

23
times ranked

287
citing authors

#	ARTICLE	IF	CITATIONS
1	Laser emission with low quantum defect in Yb:CaGdAlO ₄ . Optics Letters, 2005, 30, 1345.	3.3	145
2	Sintering of α -alumina for highly transparent ceramic applications. Journal of the European Ceramic Society, 2011, 31, 1957-1963.	5.7	37
3	Thermomechanical properties of Yb ³⁺ doped laser crystals: Experiments and modeling. Journal of Applied Physics, 2010, 108, 123108.	2.5	34
4	Highly transparent AgGaS ₂ single crystals, a compound for mid-IR laser sources, using a combined static/dynamic vacuum annealing method. Materials Chemistry and Physics, 2010, 119, 1-3.	4.0	18
5	Modeling of the green body drying step to obtain large size transparent magnesium-aluminate spinel samples. Journal of the European Ceramic Society, 2014, 34, 791-799.	5.7	15
6	Colour centre-free perovskite single crystals. Journal of Luminescence, 2009, 129, 1586-1588.	3.1	9
7	Spectroscopic investigation of the laser materials Yb ³⁺ :RE ₂ SiO ₅ , RE=Y, Sc, Lu., 2004, , .		8
8	Quest of athermal solid state laser: case of Yb:CaGdAlO ₄ . , 2006, , WD1.		6
9	Spectroscopic bases for efficiency enhancement and power scaling of self-frequency multiplication and self-sum-frequency mixing emission in Nd-doped nonlinear crystals. Journal of the Optical Society of America B: Optical Physics, 2004, 21, 1620.	2.1	4
10	Quest of athermal solid state laser: case of Yb:CaGdAlO ₄ . , 2006, 6190, 19.		4
11	Sintering and annealing effects on undoped yttria transparent ceramics. Materials Chemistry and Physics, 2017, 194, 302-307.	4.0	4
12	Time-resolved spectral characterization of a pulsed external-cavity quantum cascade laser. , 2012, , .		3
13	Optical spectroscopy and laser oscillation in a high-power laser material: Yb:GdVO ₄ . , 2004, , .		2
14	Mid-IR nonlinear materials: chemical synthesis, crystal growth, and difference frequency generation in ZnGeP ₂ and AgGaS ₂ . , 2010, , .		2
15	Homogeneity characterization in AgGaGeS ₄ , a single crystal for nonlinear mid-IR laser applications. Journal of Crystal Growth, 2020, 548, 125814.	1.5	2
16	Chemical synthesis, crystal growth and mid-IR Difference Frequency Generation in ZnGeP ₂ and AgGaS ₂ . , 2011, , .		2
17	Yb ³⁺ -doped laser materials for high-power or ultrafast applications. , 2004, 5460, 145.		1
18	Progress in ZnGeP ₂ and AgGaS ₂ crystal growth: first results on difference-frequency generation and optical parametric oscillation. Proceedings of SPIE, 2009, , .	0.8	1

#	ARTICLE	IF	CITATIONS
19	Drying step optimization to obtain large-size transparent magnesium-aluminate spinel samples. , 2017, , .		1
20	47 fs in diode-pumped Yb:CaGdAlO 4. , 2006, , .		0
21	Generation of 47-fs pulses from a diode-pumped Yb ³⁺ :CaGdAlO 4 femtosecond laser. , 2006, 6100, 139.		0
22	Processing of highly transparent spinel ceramics for high thermo-mechanical resistance window applications. , 2013, , .		0