

Anton G Vyatkin

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Drastic reduction of thermally induced depolarization in CaF ₂ crystals with [111] orientation. Optics Express, 2012, 20, 13357.	3.4	55
2	Thermally induced depolarization in sesquioxide class m3 single crystals. Journal of the Optical Society of America B: Optical Physics, 2011, 28, 805.	2.1	42
3	Thermal Effects in End-Pumped Yb:YAG Thin-Disk and Yb:YAG/YAG Composite Active Element. IEEE Journal of Quantum Electronics, 2014, 50, 133-140.	1.9	32
4	Thermally induced scattering of radiation in laser ceramics with arbitrary grain size. Journal of the Optical Society of America B: Optical Physics, 2012, 29, 3307.	2.1	27
5	Self-compensation of thermally induced depolarization in CaF ₂ and definite cubic single crystals. Optics Express, 2013, 21, 22338.	3.4	15
6	Nonlinear thermally induced distortions of a laser beam in a cryogenic disk amplifier. Quantum Electronics, 2009, 39, 814-820.	1.0	9
7	Thermally Induced Beam Distortions in Sesquioxide Laser Ceramics of m3 Crystal Class—Part I. IEEE Journal of Quantum Electronics, 2014, 50, 1061-1071.	1.9	9
8	Measurements of Thermo-Optical Characteristics of Cubic Crystals Using Samples of Arbitrary Orientation. IEEE Journal of Quantum Electronics, 2017, 53, 1-7.	1.9	9
9	Thermally Induced Beam Distortions in Sesquioxide Laser Ceramics of m3 Crystal Class—Part II. IEEE Journal of Quantum Electronics, 2015, 51, 1-8.	1.9	6
10	Thermo-optical characteristics of DKDP crystal. Laser Physics Letters, 2017, 14, 035801.	1.4	6
11	Effect of elastic anisotropy on thermally induced distortions of a laser beam in single cubic syngony crystals with radial cooling. Part I. Quantum Electronics, 2020, 50, 114-135.	1.0	5
12	One kilohertz cryogenic disk laser with high average power. , 2011, , .		4
13	Thermally induced beam distortions in laser ceramics at strong birefringence. Journal of the Optical Society of America B: Optical Physics, 2015, 32, 1084.	2.1	2
14	Thermally induced scattering of radiation in laser ceramics with arbitrary grain size. , 2010, , .		1
15	Sub-joule level high repetition rate cryogenic disk laser. , 2011, , .		0
16	Specificity of Thermally Induced Depolarization in CaF ₂ . , 2013, , .		0
17	Three methods for calculation of thermally induced beam distortions in laser ceramics. , 2014, , .		0
18	Thermally Induced Depolarization in Sesquioxide Crystals of m3 Symmetry Class. , 2011, , .		0

#	ARTICLE	IF	CITATIONS
19	Compensation of Thermal Depolarization in CaF ₂ with no Additional Phase Elements. , 2012, , .		0
20	Thermally Induced Beam Distortions in Sesquioxide Class m ₃ Ceramics. , 2013, , .		0
21	Thermally Induced Beam Distortions in CaF ₂ and Other Elastically Anisotropic Cubic Single Crystals. , 2015, , .		0
22	Calculation of Thermally Induced Depolarization Dispersion in Laser Ceramics. , 2018, , .		0