

Angela A Pirri

List of Publications by Year in descending order

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Version: 2024-02-01

38
papers

735
citations

430874

18
h-index

526287

27
g-index

38
all docs

38
docs citations

38
times ranked

572
citing authors

#	ARTICLE	IF	CITATIONS
1	Microstructure and laser emission of Yb:CaF ₂ transparent ceramics fabricated by air pre-sintering and hot isostatic pressing. <i>Optical Materials</i> , 2022, 129, 112540.	3.6	4
2	Fabrication, microstructure, and optical properties of Yb:Y ₃ ScAl ₄ O ₁₂ transparent ceramics with different doping levels. <i>Journal of the American Ceramic Society</i> , 2020, 103, 224-234.	3.8	16
3	Fabrication and laser performances of Yb:Sc ₂ O ₃ transparent ceramics from different combination of vacuum sintering and hot isostatic pressing conditions. <i>Journal of the European Ceramic Society</i> , 2020, 40, 881-886.	5.7	13
4	Fabrication, microstructures, and optical properties of Yb:Lu ₂ O ₃ laser ceramics from co-precipitated nano-powders. <i>Journal of Advanced Ceramics</i> , 2020, 9, 674-682.	17.4	34
5	Transparent laser ceramics by stereolithography. <i>Scripta Materialia</i> , 2020, 187, 194-196.	5.2	31
6	Fabrication and laser operation of Yb:Lu ₂ O ₃ transparent ceramics from co-precipitated nano-powders. <i>Journal of the American Ceramic Society</i> , 2019, 102, 7491-7499.	3.8	28
7	An Overview on Yb-Doped Transparent Polycrystalline Sesquioxide Laser Ceramics. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2018, 24, 1-8.	2.9	38
8	Fabrication and laser oscillation of Yb:Sc ₂ O ₃ transparent ceramics from co-precipitated nano-powders. <i>Journal of the European Ceramic Society</i> , 2018, 38, 1632-1638.	5.7	21
9	A Comprehensive Characterization of a 10 at.% Yb:YSAG Laser Ceramic Sample. <i>Materials</i> , 2018, 11, 837.	2.9	17
10	High efficiency laser action in mildly doped Yb:LuYAG ceramics. <i>Optical Materials</i> , 2017, 73, 312-318.	3.6	20
11	Spectroscopy and CW first laser operation of Yb-doped Gd ₃ (Al _{0.5} Ga _{0.5}) ₅ O ₁₂ crystal. <i>Optical Materials Express</i> , 2017, 7, 170.	3.0	19
12	First laser operation and spectroscopic characterization of mixed garnet Yb:LuYAG ceramics. , 2016, , .		1
13	Laser and optical properties of Yb:YAG ceramics with layered doping distribution: design, characterization and evaluation of different production processes. <i>Proceedings of SPIE</i> , 2016, , .	0.8	3
14	First laser emission of Yb _{0.15} :(Lu _{0.5} Y _{0.5}) ₃ Al ₅ O ₁₂ ceramics. <i>Optics Express</i> , 2016, 24, 9611.	3.4	22
15	Spectroscopic and laser characterization of Yb _{0.15} :(Lu _x Y _{1-x}) ₃ Al ₅ O ₁₂ ceramics with different Lu/Y balance. <i>Optics Express</i> , 2016, 24, 17832.	3.4	18
16	Graded Yb:YAG ceramic structures: design, fabrication and characterization of the laser performances. , 2015, , .		0
17	Yb:Lu ₂ SiO ₅ crystal : characterization of the laser emission along the three dielectric axes. , 2015, , .		0
18	Characterization of the lasing properties of a 5%Yb doped Lu ₂ SiO ₅ crystal along its three principal dielectric axes. <i>Optics Express</i> , 2015, 23, 13210.	3.4	12

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19	Experimental evidence of a nonlinear loss mechanism in highly doped Yb:LuAG crystal. Optics Express, 2014, 22, 4038.	3.4	15
20	Polycrystalline Yb ³⁺ Er ³⁺ -co-doped YAG: Fabrication, TEM-EDX characterization, spectroscopic properties, and comparison with the single crystal. Journal of Materials Research, 2014, 29, 2288-2296.	2.6	9
21	Preparation and characterization of Yb-doped YAG ceramics. Optical Materials, 2013, 35, 798-803.	3.6	31
22	High efficiency laser action of 1% at Yb ³⁺ :Sc ₂ O ₃ ceramic. Optics Express, 2012, 20, 22134.	3.4	9
23	Laser Performance of 1% at. Yb ³⁺ :Lu ₂ O ₃ Ceramic. Advances in Optical Technologies, 2012, 2012, 1-7.	0.8	1
24	Integrated analysis of non-linear loss mechanisms in Yb:YAG ceramics for laser applications. Journal of the European Ceramic Society, 2012, 32, 2273-2281.	5.7	37
25	First laser oscillation of 1% at Yb:Sc ₂ O ₃ and Yb:Lu ₂ O ₃ ceramics. , 2012, , .		0
26	First laser oscillation and broad tunability of 1% at % Yb-doped Sc ₂ O ₃ and Lu ₂ O ₃ ceramics. Optics Letters, 2011, 36, 4284.	3.3	33
27	Yb-doped YLF and CaF ₂ crystal laser at room temperature. Optical Materials, 2010, 33, 200-204.	3.6	2
28	Characterization of Yb:YAG ceramics as laser media. Optical Materials, 2010, 33, 205-210.	3.6	21
29	Effects of the excitation density on the laser output of two differently doped Yb:YAG ceramics. Optics Express, 2010, 18, 17262.	3.4	33
30	Tunability enhancement of Yb:YLF based laser. Optics Express, 2010, 18, 2236.	3.4	27
31	Diode-Pumped Yb ³⁺ :YLF and Yb ³⁺ :CaF ₂ Laser Performance. , 2010, , .		0
32	Direct Comparison of Yb ³⁺ :CaF ₂ and heavily doped Yb ³⁺ :YLF as laser media at room temperature. Optics Express, 2009, 17, 18312.	3.4	27
33	High-efficiency, high-power and low threshold Yb ³⁺ :YAG ceramic laser. Optics Express, 2009, 17, 23344.	3.4	48
34	Extreme-ultraviolet Ramsey-type spectroscopy. Physical Review A, 2008, 78, .	2.5	14
35	Enhancing the yield of high-order harmonics with an array of gas jets. Physical Review A, 2008, 78, .	2.5	88
36	First Interferometric Measurement of the Atomic Dipole Phase in High-Order Harmonic Generation. Acta Physica Hungarica A Heavy Ion Physics, 2006, 26, 343-350.	0.4	0

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37	Direct Interferometric Measurement of the Atomic Dipole Phase in High-Order Harmonic Generation. Physical Review Letters, 2006, 97, 023901.	7.8	41
38	Specifics of Spectroscopic Features of Yb 3+ -Doped Lu 2 O 3 Laser Transparent Ceramics. Physica Status Solidi (B): Basic Research, 0, , 2100521.	1.5	2