Barbara Patrizi

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/8471946/publications.pdf Version: 2024-02-01



#	Article	IF	CITATIONS
1	Microstructure and laser emission of Yb:CaF2 transparent ceramics fabricated by air pre-sintering and hot isostatic pressing. Optical Materials, 2022, 129, 112540.	3.6	4
2	Fabrication and characterizations of Tm:Lu2O3 transparent ceramics for 2Âμm laser applications. Optical Materials, 2022, 131, 112705.	3.6	9
3	Hot isostatic pressing of transparent Yb3+-doped Lu2O3 ceramics for laser applications. Ceramics International, 2021, 47, 5168-5176.	4.8	8
4	Yb3+:(LuxY1-x)2O3 mixed sesquioxide ceramics for laser applications. Part II: Laser performances. Journal of Alloys and Compounds, 2021, 853, 156943.	5.5	17
5	Fabrication and Optical Property of Nd:Lu ₂ O ₃ Transparent Ceramics for Solid-state Laser Applications. Wuji Cailiao Xuebao/Journal of Inorganic Materials, 2021, 36, 210.	1.3	12
6	Time- and Temperature-Dependent Luminescence of Manganese Ions in Ceramic Magnesium Aluminum Spinels. Materials, 2021, 14, 420.	2.9	13
7	Exciplex Formation in Lipidâ€bound Escherichia coli Flavohemoglobin. ChemPhysChem, 2021, 22, 1134-1140.	2.1	0
8	Red-Emitting Manganese Doped MgAl2O4 Ceramic Spinels Studied by Time- and Temperature-Resolved Luminescence Spectroscopy. , 2021, , .		0
9	Yb3+:(LuxY1â^'x)2O3 mixed sesquioxide ceramics for laser applications. Part I: Fabrication, microstructure and spectroscopy. Journal of Alloys and Compounds, 2021, 869, 159227.	5.5	13
10	Spectroscopic investigation and laser behaviour of Yb-doped laser ceramics based on mixed crystalline structure (ScxY1-x)2O3. Ceramics International, 2021, 47, 29483-29489.	4.8	14
11	Continuously tuned (Tm0.05Sc0.252Y0.698)2O3 ceramic laser with emission peak at 2076Ânm. Journal of Alloys and Compounds, 2021, 889, 161585.	5.5	10
12	Influences of the Sc3+ content on the microstructure and optical properties of 10â€at.% Yb:Y3ScxAl5-xO12 laser ceramics. Journal of Alloys and Compounds, 2020, 815, 152637.	5.5	14
13	Fabrication, microstructure, and optical properties of Yb:Y ₃ ScAl ₄ O ₁₂ transparent ceramics with different doping levels. Journal of the American Ceramic Society, 2020, 103, 224-234.	3.8	16
14	Fabrication and laser performances of Yb:Sc2O3 transparent ceramics from different combination of vacuum sintering and hot isostatic pressing conditions. Journal of the European Ceramic Society, 2020, 40, 881-886.	5.7	13
15	Fabrication, microstructure, and optical properties of Tm:Y ₃ ScAl ₄ O ₁₂ laser ceramics. Journal of the American Ceramic Society, 2020, 103, 1819-1830.	3.8	19
16	Fabrication, microstructure and optical properties of Yb:LuxY3-xAl5O12 transparent ceramics. Optical Materials, 2020, 110, 110478.	3.6	3
17	(INVITED) Determination of non-linear refractive index of laser crystals and ceramics via different optical techniques. Optical Materials: X, 2020, 8, 100065.	0.8	3
18	Fabrication, microstructures, and optical properties of Yb:Lu2O3 laser ceramics from co-precipitated nano-powders. Journal of Advanced Ceramics, 2020, 9, 674-682.	17.4	34

BARBARA PATRIZI

#	Article	IF	CITATIONS
19	The FAMU experiment: muonic hydrogen high precision spectroscopy studies. European Physical Journal A, 2020, 56, 1.	2.5	23
20	Transparent laser ceramics by stereolithography. Scripta Materialia, 2020, 187, 194-196.	5.2	31
21	Synergistic Approach of Ultrafast Spectroscopy and Molecular Simulations in the Characterization of Intramolecular Charge Transfer in Push-Pull Molecules. Molecules, 2020, 25, 430.	3.8	24
22	An in depth characterization of the spectroscopic properties and laser action of 10 at% Yb doped Y3ScxAl5-xO12 (x = 0.25, 0.5, 1.0, 1.5) transparent ceramics. Ceramics International, 2020, 46, 17252-17260.	4.8	8
23	EuPRAXIA Conceptual Design Report. European Physical Journal: Special Topics, 2020, 229, 3675-4284.	2.6	64
24	Fabrication and laser operation of Yb:Lu ₂ O ₃ transparent ceramics from coâ€precipitated nanoâ€powders. Journal of the American Ceramic Society, 2019, 102, 7491-7499.	3.8	28
25	Time- and temperature-resolved luminescence spectroscopy of LiAl4O6F:Mn red phosphors. Journal of Luminescence, 2019, 216, 116754.	3.1	3
26	Conceptual Design of a Laser Driver for a Plasma Accelerator User Facility. Instruments, 2019, 3, 40.	1.8	6
27	EuPRAXIA $\hat{a} \in \hat{a}$ a compact, cost-efficient particle and radiation source. AIP Conference Proceedings, 2019, ,	0.4	7
28	Dioxin and Related Compound Detection: Perspectives for Optical Monitoring. International Journal of Molecular Sciences, 2019, 20, 2671.	4.1	10
29	Ultrafast Intramolecular and Solvation Dynamics in 4,7-Bis (4,5-dibutylbenzo[1,2- <i>b</i> :4,3- <i>b</i> ′]bisthiophene[1,2- <i>b</i> :4,3- <i>b</i> ′]bisthiophen-2-yl)-2,1 Journal of Physical Chemistry C, 2019, 123, 5840-5852.	3-benzoti	hiadiazole.
30	Status of the Horizon 2020 EuPRAXIA conceptual design study*. Journal of Physics: Conference Series, 2019, 1350, 012059.	0.4	11
31	Fabrication and Property of Yb:CaF2 Laser Ceramics from Co-precipitated Nanopowders. Wuji Cailiao Xuebao/Journal of Inorganic Materials, 2019, 34, 1341.	1.3	16
32	Spectroscopic characterization and laser test of a 10at.% Yb:Y3Sc1.5Al3.5O12 ceramic sampleÂÂ. Advanced Materials Letters, 2019, 10, 45-48.	0.6	1
33	The project SPIDVE: study on EO sensors performance improvement in degraded visual environment. , 2019, , .		Ο
34	An Overview on Yb-Doped Transparent Polycrystalline Sesquioxide Laser Ceramics. IEEE Journal of Selected Topics in Quantum Electronics, 2018, 24, 1-8.	2.9	38
35	TCDD Toxicity Mediated by Epigenetic Mechanisms. International Journal of Molecular Sciences, 2018, 19, 4101.	4.1	51
36	Cold-Adaptation Signatures in the Ligand Rebinding Kinetics to the Truncated Hemoglobin of the Antarctic Bacterium <i>Pseudoalteromonas haloplanktis</i> TAC125. Journal of Physical Chemistry B, 2018, 122, 11649-11661.	2.6	6

BARBARA PATRIZI

#	Article	IF	CITATIONS
37	A Comprehensive Characterization of a 10 at.% Yb:YSAG Laser Ceramic Sample. Materials, 2018, 11, 837.	2.9	17
38	High efficiency emission of a laser based on Yb-doped (Lu,Y)2O3 ceramic. Optical Materials, 2018, 83, 182-186.	3.6	27
39	Fabrication, spectroscopic characterization and laser test of Yb:Sc2O3 transparent ceramics. , 2018, , .		Ο
40	Photophysical properties and excited state dynamics of 4,7-dithien-2-yl-2,1,3-benzothiadiazole. Physical Chemistry Chemical Physics, 2017, 19, 13604-13613.	2.8	35
41	Horizon 2020 EuPRAXIA design study. Journal of Physics: Conference Series, 2017, 874, 012029.	0.4	60
42	Enhanced energy transport in genetically engineered excitonic networks. Nature Materials, 2016, 15, 211-216.	27.5	82
43	Subdiffraction localization of a nanostructured photosensitizer in bacterial cells. Scientific Reports, 2015, 5, 15564.	3.3	35
44	Characteristic vibrational frequencies of toxic polychlorinated dibenzo-dioxins and -furans. Journal of Hazardous Materials, 2014, 274, 98-105.	12.4	5
45	Role of Local Structure and Dynamics of Small Ligand Migration in Proteins: A Study of a Mutated Truncated Hemoprotein from <i>Thermobifida fusca</i> by Time Resolved MIR Spectroscopy. Journal of Physical Chemistry B, 2014, 118, 9209-9217.	2.6	6
46	First quantitative measurements by IR spectroscopy of dioxins and furans by means of broadly tunable quantum cascade lasers. Laser Physics, 2013, 23, 025603.	1.2	6
47	Carbon Monoxide Recombination Dynamics in Truncated Hemoglobins Studied with Visible-Pump MidlR-Probe Spectroscopy. Journal of Physical Chemistry B, 2012, 116, 8753-8761.	2.6	10
48	Specifics of Spectroscopic Features of Yb 3+ â€Đoped Lu 2 O 3 Laser Transparent Ceramics. Physica Status Solidi (B): Basic Research, 0, , 2100521.	1.5	2