

Stefano Varas

List of Publications by Year in descending order

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Rare-earth activated SnO ₂ photoluminescent thin films on flexible glass: Synthesis, deposition and characterization. <i>Optical Materials</i> , 2022, 124, 111978.	3.6	13
2	Sol-gel-derived transparent glass-ceramics for photonics. <i>Optical Materials</i> , 2022, 130, 112577.	3.6	5
3	Assessment of SnO ₂ -nanocrystal-based luminescent glass-ceramic waveguides for integrated photonics. <i>Ceramics International</i> , 2021, 47, 5534-5541.	4.8	17
4	From flexible electronics to flexible photonics: A brief overview. <i>Optical Materials</i> , 2021, 115, 111011.	3.6	34
5	Design, fabrication and assessment of an optomechanical sensor for pressure and vibration detection using flexible glass multilayers. <i>Optical Materials</i> , 2021, 115, 111023.	3.6	7
6	Tungsten oxide films by radio-frequency magnetron sputtering for near-infrared photonics. <i>Optical Materials: X</i> , 2021, 12, 100093.	0.8	0
7	SiO ₂ -SnO ₂ :Er ³⁺ planar waveguides: Highly photorefractive glass-ceramics. <i>Optical Materials: X</i> , 2020, 7, 100056.	0.8	3
8	Low-Threshold Coherent Emission at 1.5 μm from Fully Er ³⁺ Doped Monolithic 1D Dielectric Microcavity Fabricated Using Radio Frequency Sputtering. <i>Ceramics</i> , 2019, 2, 74-85.	2.6	4
9	Fabrication, modelling and assessment of hybrid 1-D elastic Fabry Perot microcavity for mechanical sensing applications. <i>Ceramics International</i> , 2019, 45, 7785-7788.	4.8	16
10	SiO ₂ -SnO ₂ :Er ³⁺ Glass-Ceramic Monoliths. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 1335.	2.5	22
11	One-dimensional disordered photonic structures with two or more materials. , 2018, , .		0
12	Fabrication by rf-sputtering and assessment of dielectric Er ³⁺ doped monolithic 1-D microcavity for coherent emission at 1.5 μm . , 2018, , .		0
13	Tailoring the optical properties of one-dimensional (1D) photonic structures. , 2017, , .		0
14	Glass and glass-ceramic photonic systems. , 2017, , .		2
15	Determination of reverse cross-relaxation process constant in Tm-doped glass by ³ H ₄ fluorescence decay tail fitting. <i>Optical Materials Express</i> , 2017, 7, 3760.	3.0	10
16	Glass-based 1-D dielectric microcavities. <i>Optical Materials</i> , 2016, 61, 11-14.	3.6	5
17	Optical field enhanced nonlinear absorption and optical limiting properties of 1-D dielectric photonic crystal with ZnO defect. <i>Optical Materials</i> , 2015, 50, 229-233.	3.6	45
18	Optical properties of one-dimensional disordered multilayer photonic structures. , 2015, , .		3

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19	Metal oxide one dimensional photonic crystals made by RF sputtering and spin coating. <i>Ceramics International</i> , 2015, 41, 8655-8659.	4.8	30
20	Glass-ceramics for photonics: Laser material processing. , 2015, , .		1
21	Sol-gel-derived photonic structures handling erbium ions luminescence. <i>Optical and Quantum Electronics</i> , 2015, 47, 117-124.	3.3	15
22	Disorder in Photonic Structures Induced by Random Layer Thickness. <i>Science of Advanced Materials</i> , 2015, 7, 1207-1212.	0.7	42
23	RF-sputtering derived dielectric 1-D photonic crystal activated with Er ³⁺ ions. , 2014, , .		0
24	GeO ₂ glass ceramic planar waveguides fabricated by RF-sputtering. , 2014, , .		1
25	Glass-based confined structures fabricated by sol-gel and radio frequency sputtering. <i>Optical Engineering</i> , 2014, 53, 071804.	1.0	1
26	Glass-Based Sub-Wavelength Photonic Structures. , 2013, , .		0
27	Tailored spectroscopic and optical properties in rare earth-activated glass-ceramics planar waveguides. , 2013, , .		0
28	High quality factor 1-D Er ³⁺ -activated dielectric microcavity fabricated by RF-sputtering. <i>Optics Express</i> , 2012, 20, 21214.	3.4	64
29	High quality factor dielectric multilayer structures fabricated by rf-sputtering. <i>Proceedings of SPIE</i> , 2012, , .	0.8	1
30	Spherical resonators coated by glass and glass-ceramic films. <i>Proceedings of SPIE</i> , 2012, , .	0.8	1
31	Pr ³⁺ +Yb ³⁺ -codoped lanthanum fluorozirconate glasses and waveguides for visible laser emission. <i>Journal of Non-Crystalline Solids</i> , 2012, 358, 2695-2700.	3.1	13
32	Nonlinear enhancement in 1-D photonic crystal with ZnO defect fabricated by rf sputtering. , 2012, , .		0
33	Sol-gel-derived photonic structures: fabrication, assessment, and application. <i>Journal of Sol-Gel Science and Technology</i> , 2011, 60, 408-425.	2.4	54
34	Down-converter based on rare earth doped fluoride glass to improve Si-based solar cell efficiency. <i>Proceedings of SPIE</i> , 2011, , .	0.8	2
35	Rare-earth-activated glasses for solar energy conversion. , 2011, , .		3
36	Magneto-resistive magnetometer with improved bandwidth and response characteristics. <i>Review of Scientific Instruments</i> , 2005, 76, 065106.	1.3	21

#	ARTICLE	IF	CITATIONS
37	Class-Based Photonic Crystals: From Fabrication to Applications. Advances in Science and Technology, 0, , .	0.2	0