

Courtney Kucera

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

263
citations

1040056

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1199594

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14
all docs

14
docs citations

14
times ranked

283
citing authors

#	ARTICLE	IF	CITATIONS
1	On the origin of photodarkening resistance in Yb-doped silica fibers with high aluminum concentration. <i>Optical Materials Express</i> , 2021, 11, 115.	3.0	9
2	Phase separation and transformation of binary immiscible systems in molten core-derived optical fibers. <i>MRS Communications</i> , 2020, 10, 298-304.	1.8	5
3	Investigation of the structural environment and chemical bonding of fluorine in Yb-doped fluorosilicate glass optical fibres. <i>Journal of Chemical Thermodynamics</i> , 2019, 128, 119-126.	2.0	11
4	A unified materials approach to mitigating optical nonlinearities in optical fiber. III. Canonical examples and materials road map. <i>International Journal of Applied Glass Science</i> , 2018, 9, 447-470.	2.0	24
5	Optimizing thermal conduction in bulk polycrystalline SrTiO ₃ ceramics via oxygen non-stoichiometry. <i>MRS Communications</i> , 2018, 8, 1470-1476.	1.8	9
6	Molten core fabrication of bismuth germanium oxide Bi ₄ Ge ₃ O ₁₂ crystalline core fibers. <i>Journal of the American Ceramic Society</i> , 2018, 101, 4340-4349.	3.8	9
7	Tm-doped nanoparticles in optical fibers. , 2018, , .		1
8	Ho-nanoparticle-doping for improved high-energy laser fibers. , 2017, , .		1
9	Use of thulium-doped LaF ₃ nanoparticles to lower the phonon energy of the thulium's environment in silica-based optical fibres. <i>Optical Materials</i> , 2017, 68, 24-28.	3.6	39
10	Nanoparticle doping for high power fiber lasers at eye-safer wavelengths. <i>Optics Express</i> , 2017, 25, 13903.	3.4	59
11	Near-Infrared and Upconversion Luminescence in Er:Y ₂ O ₃ Ceramics under 1.5 μm Excitation. <i>Journal of the American Ceramic Society</i> , 2014, 97, 2105-2110.	3.8	35
12	The Influence of Synthesis Parameters on Particle Size and Photoluminescence Characteristics of Ligand Capped Tb ³⁺ :LaF ₃ . <i>Polymers</i> , 2011, 3, 2039-2052.	4.5	12
13	Organic-inorganic hybrid nanoparticles with enhanced rare-earth emissions. <i>Optical Materials</i> , 2009, 31, 1327-1330.	3.6	24
14	Designer emission spectra through tailored energy transfer in nanoparticle-doped silica preforms. <i>Optics Letters</i> , 2009, 34, 2339.	3.3	25