

# Courtney Kucera

## List of Publications by Year in descending order

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14  
papers

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1040056

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14  
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docs citations

14  
times ranked

283  
citing authors

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