

Krishna Chaitanya Vishnubhatla

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

822
citations

567281

15
h-index

610901

24
g-index

25
all docs

25
docs citations

25
times ranked

1178
citing authors

#	ARTICLE	IF	CITATIONS
1	Femtosecond laser fabricated monolithic chip for optical trapping and stretching of single cells. <i>Optics Express</i> , 2010, 18, 4679.	3.4	148
2	In situ FTIR study on the dehydration of natural goethite. <i>Journal of Asian Earth Sciences</i> , 2006, 27, 503-511.	2.3	128
3	Shape control of microchannels fabricated in fused silica by femtosecond laser irradiation and chemical etching. <i>Optics Express</i> , 2009, 17, 8685.	3.4	98
4	Direct formation of the \hat{A} -CaSO ₄ phase in dehydration process of gypsum: In situ FTIR study. <i>American Mineralogist</i> , 2005, 90, 672-678.	1.9	87
5	Optofluidic chip for single cell trapping and stretching fabricated by a femtosecond laser. <i>Journal of Biophotonics</i> , 2010, 3, 234-243.	2.3	62
6	High-resolution direct-writing of metallic electrodes on flexible substrates for high performance organic field effect transistors. <i>Organic Electronics</i> , 2013, 14, 2249-2256.	2.6	41
7	Topological defects of nematic liquid crystals confined in porous networks. <i>Soft Matter</i> , 2011, 7, 10945.	2.7	33
8	Silver to erbium energy transfer in phosphate glasses. <i>Journal of Non-Crystalline Solids</i> , 2007, 353, 498-501.	3.1	29
9	Ultrafast optofluidic gain switch based on conjugated polymer in femtosecond laser fabricated microchannels. <i>Applied Physics Letters</i> , 2009, 94, 041123.	3.3	28
10	Femtosecond laser direct writing of gratings and waveguides in high quantum efficiency erbium-doped Baccarat glass. <i>Journal Physics D: Applied Physics</i> , 2009, 42, 205106.	2.8	24
11	Ultrafast optical gain switch in organic photonic devices. <i>Journal of Materials Chemistry</i> , 2010, 20, 519-523.	6.7	24
12	Femtosecond laser fabrication of microfluidic channels for organic photonic devices. <i>Applied Optics</i> , 2009, 48, G114.	2.1	20
13	Erbium-activated modified silica glasses with high 4I13/2 luminescence quantum yield. <i>Optical Materials</i> , 2006, 28, 1325-1328.	3.6	19
14	Scaling of black silicon processing time by high repetition rate femtosecond lasers. <i>Optical Materials Express</i> , 2013, 3, 612.	3.0	18
15	Optical studies of two dimensional gratings in fused silica, GE 124, and Foturan [®] , [€] glasses fabricated using femtosecond laser pulses. <i>Optics Communications</i> , 2009, 282, 4537-4542.	2.1	16
16	Facile fabrication of integrated microfluidic SERS substrate by femtosecond laser sintering of silver nano particles. <i>Optical Materials</i> , 2021, 111, 110518.	3.6	12
17	SERS of Dopamine: Computational and experimental studies. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 260, 119962.	3.9	10
18	Highly integrated lab-on-a-chip for fluorescence detection. <i>Optical Engineering</i> , 2016, 55, 097102.	1.0	8

#	ARTICLE	IF	CITATIONS
19	Femtosecond laser micromachining for optofluidic and energy applications. Optical Materials, 2013, 36, 102-105.	3.6	6
20	Waveguide arrays for light harvesting in microfluidic chips. Optical Engineering, 2014, 53, 071811.	1.0	3
21	HF-free and fast fabrication of long, rectangular microchannels in fused silica: Novel femtosecond laser irradiation geometry. Optical Materials, 2021, 122, 111682.	3.6	3
22	Organic random laser in an optofluidic chip fabricated by femtosecond laser. Proceedings of SPIE, 2010, , .	0.8	2
23	Fresnel lenses fabricated by femtosecond laser micromachining on polymer one-dimensional photonic crystal. Optical Engineering, 2014, 53, 071813.	1.0	2
24	Effect of configuration of the microchannels fabricated by femtosecond laser micromachining on topological defects in confined liquid crystals. Proceedings of SPIE, 2012, , .	0.8	1
25	Femtosecond Laser Micro-machining for Energy Applications. , 2013, , .		0