

Lorenzo Ferrara

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

372
citations

1163117

8
h-index

1125743

13
g-index

19
all docs

19
docs citations

19
times ranked

521
citing authors

#	ARTICLE	IF	CITATIONS
1	Femtosecond laser fabricated monolithic chip for optical trapping and stretching of single cells. Optics Express, 2010, 18, 4679.	3.4	148
2	Optofluidic chip for single cell trapping and stretching fabricated by a femtosecond laser. Journal of Biophotonics, 2010, 3, 234-243.	2.3	62
3	Focusing and imaging with increased numerical apertures through multimode fibers with micro-fabricated optics. Optics Letters, 2013, 38, 4935.	3.3	58
4	Hollow plasmonic antennas for broadband SERS spectroscopy. Beilstein Journal of Nanotechnology, 2015, 6, 492-498.	2.8	21
5	Plasmonic 3D-structures based on silver decorated nanotips for biological sensing. Optics and Lasers in Engineering, 2016, 76, 45-51.	3.8	20
6	Geometrical Patterning of Super-Hydrophobic Biosensing Transistors Enables Space and Time Resolved Analysis of Biological Mixtures. Scientific Reports, 2016, 6, 18992.	3.3	17
7	The <i>C. elegans</i> project at the interface of experimental and computational <i>Caenorhabditis elegans</i> neurobiology and behavior. Journal of Neural Engineering, 2016, 13, 065001.	3.5	14
8	Suitable photo-resists for two-photon polymerization using femtosecond fiber lasers. Microelectronic Engineering, 2014, 121, 135-138.	2.4	10
9	The <i>C. elegans</i> Project – The Challenges and Prospects of Emulating <i>Caenorhabditis elegans</i> . Lecture Notes in Computer Science, 2014, , 436-438.	1.3	5
10	Tailoring super-hydrophobic properties of electrochemical biosensor for early cancer detection. MRS Advances, 2016, 1, 3545-3552.	0.9	4
11	Towards an Electro-optical Emulation of the <i>C. elegans</i> Connectome. , 2014, , .		4
12	Multiscale modification of the conductive PEDOT:PSS polymer for the analysis of biological mixtures in a super-hydrophobic drop. Microelectronic Engineering, 2016, 158, 80-84.	2.4	3
13	Comparison of Electro-Optical Strategies for Mimicking <i>C. elegans</i> Network Interconnectivity in Hardware. Biosystems and Biorobotics, 2016, , 79-98.	0.3	2
14	The <i>C. elegans</i> connectome: A neuromimetic emulation of neural signal transfer with DMD-structured light. , 2015, , .		1
15	<i>C. elegans</i> : Evaluation of an innovative optical synaptic connectivity method for <i>C. elegans</i> Phototaxis using FPGAs. , 2016, , .		1
16	Miniaturized Optical Tweezers Through Fiber-End Microfabrication. Springer Series in Surface Sciences, 2015, , 159-180.	0.3	1
17	Past and Recent Endeavours to Simulate <i>Caenorhabditis elegans</i> . , 2015, , .		1
18	Superhydrophobic Devices Molecular Detection. Advances in Atom and Single Molecule Machines, 2014, , 45-60.	0.0	0

#	ARTICLE	IF	CITATIONS
19	Optimization of an electro-optical representation of the C. elegans connectome through neural network cluster analysis. , 2016, , .		0