

# Lorenzo Ferrara

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5342526/publications.pdf>

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

#	ARTICLE	IF	CITATIONS
19	Femtosecond laser fabricated monolithic chip for optical trapping and stretching of single cells. Optics Express, 2010, 18, 4679.	3.4	148