

Ilaria Testa

List of Publications by Year in descending order

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Version: 2024-02-01

33
papers

2,412
citations

361388

20
h-index

414395

32
g-index

42
all docs

42
docs citations

42
times ranked

2795
citing authors

#	ARTICLE	IF	CITATIONS
1	Diffraction-unlimited all-optical imaging and writing with a photochromic GFP. <i>Nature</i> , 2011, 478, 204-208.	27.8	434
2	A reversibly photoswitchable GFP-like protein with fluorescence excitation decoupled from switching. <i>Nature Biotechnology</i> , 2011, 29, 942-947.	17.5	254
3	Glyoxal as an alternative fixative to formaldehyde in immunostaining and super-resolution microscopy. <i>EMBO Journal</i> , 2018, 37, 139-159.	7.8	206
4	rsEGFP2 enables fast RESOLFT nanoscopy of living cells. <i>ELife</i> , 2012, 1, e00248.	6.0	188
5	Multicolor Fluorescence Nanoscopy in Fixed and Living Cells by Exciting Conventional Fluorophores with a Single Wavelength. <i>Biophysical Journal</i> , 2010, 99, 2686-2694.	0.5	187
6	CRISPR/Cas9-mediated endogenous protein tagging for RESOLFT super-resolution microscopy of living human cells. <i>Scientific Reports</i> , 2015, 5, 9592.	3.3	135
7	Nanoscopy of Living Brain Slices with Low Light Levels. <i>Neuron</i> , 2012, 75, 992-1000.	8.1	117
8	A set of monomeric near-infrared fluorescent proteins for multicolor imaging across scales. <i>Nature Communications</i> , 2020, 11, 239.	12.8	109
9	Fast reversibly photoswitching red fluorescent proteins for live-cell RESOLFT nanoscopy. <i>Nature Methods</i> , 2018, 15, 601-604.	19.0	73
10	Fluorescent Diarylethene Photoswitches—A Universal Tool for Super-Resolution Microscopy in Nanostructured Materials. <i>Small</i> , 2018, 14, 1703333.	10.0	64
11	Smart scanning for low-illumination and fast RESOLFT nanoscopy in vivo. <i>Nature Communications</i> , 2019, 10, 556.	12.8	58
12	Two-Color RESOLFT Nanoscopy with Green and Red Fluorescent Photochromic Proteins. <i>ChemPhysChem</i> , 2014, 15, 655-663.	2.1	53
13	Enhanced photon collection enables four dimensional fluorescence nanoscopy of living systems. <i>Nature Communications</i> , 2018, 9, 3281.	12.8	49
14	Dual Channel RESOLFT Nanoscopy by Using Fluorescent State Kinetics. <i>Nano Letters</i> , 2015, 15, 103-106.	9.1	46
15	Vimentin Levels and Serine 71 Phosphorylation in the Control of Cell-Matrix Adhesions, Migration Speed, and Shape of Transformed Human Fibroblasts. <i>Cells</i> , 2017, 6, 2.	4.1	45
16	Volumetric live cell imaging with three-dimensional parallelized RESOLFT microscopy. <i>Nature Biotechnology</i> , 2021, 39, 609-618.	17.5	45
17	RecA finds homologous DNA by reduced dimensionality search. <i>Nature</i> , 2021, 597, 426-429.	27.8	45
18	Pulsed Electric Fields Can Create Pores in the Voltage Sensors of Voltage-Gated Ion Channels. <i>Biophysical Journal</i> , 2020, 119, 190-205.	0.5	43

#	ARTICLE	IF	CITATIONS
19	Spatial Regulation of T-Cell Signaling by Programmed Death-Ligand 1 on Wireframe DNA Origami Flat Sheets. <i>ACS Nano</i> , 2021, 15, 3441-3452.	14.6	42
20	Forces drive basement membrane invasion in <i>Caenorhabditis elegans</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 11537-11542.	7.1	27
21	Growth-driven displacement of protein aggregates along the cell length ensures partitioning to both daughter cells in <i>Caulobacter crescentus</i> . <i>Molecular Microbiology</i> , 2019, 111, 1430-1448.	2.5	25
22	Strategies for increasing the throughput of super-resolution microscopies. <i>Current Opinion in Chemical Biology</i> , 2019, 51, 84-91.	6.1	24
23	Genetically encoded photo-switchable molecular sensors for optoacoustic and super-resolution imaging. <i>Nature Biotechnology</i> , 2022, 40, 598-605.	17.5	23
24	STED and parallelized RESOLFT optical nanoscopy of the tubular endoplasmic reticulum and its mitochondrial contacts in neuronal cells. <i>Neurobiology of Disease</i> , 2021, 155, 105361.	4.4	22
25	Apparent stiffness of vimentin intermediate filaments in living cells and its relation with other cytoskeletal polymers. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2020, 1867, 118726.	4.1	19
26	ImSwitch: Generalizing microscope control in Python. <i>Journal of Open Source Software</i> , 2021, 6, 3394.	4.6	19
27	Role of Gln222 in Photoswitching of <i>Aequorea</i> Fluorescent Proteins: A Twisting and H-Bonding Affair?. <i>ACS Chemical Biology</i> , 2018, 13, 2082-2093.	3.4	14
28	Stable stimulated emission depletion imaging of extended sample regions. <i>Journal Physics D: Applied Physics</i> , 2020, 53, 024001.	2.8	12
29	Identification of electroporation sites in the complex lipid organization of the plasma membrane. <i>ELife</i> , 2022, 11, .	6.0	11
30	ExSTED microscopy reveals contrasting functions of dopamine and somatostatin CSF-c neurons along the lamprey central canal. <i>ELife</i> , 2022, 11, .	6.0	9
31	Fluorescence microscopy at the molecular scale. <i>Current Opinion in Biomedical Engineering</i> , 2019, 12, 34-42.	3.4	7
32	Predicting resolution and image quality in RESOLFT and other point scanning microscopes [Invited]. <i>Biomedical Optics Express</i> , 2020, 11, 2313.	2.9	2
33	CLEO®/Europe-EQEC 2021, One Page Summary Template Volumetric RESOLFT fluorescence nanoscopy. , 2021, , .		0