Laura Carolina Zanetti-Domingues

List of Publications by Year
in descending order

24 papers	1,039 citations	566801 15 h-index	610482 24 g-index
28 all docs	28 docs citations	28 times ranked	1863 citing authors

#	Article	IF	Citations
1	Affimer proteins are versatile and renewable affinity reagents. ELife, 2017, 6, .	2.8	151
2	Hydrophobic Fluorescent Probes Introduce Artifacts into Single Molecule Tracking Experiments Due to Non-Specific Binding. PLoS ONE, 2013, 8, e74200.	1.1	147
3	EGFR oligomerization organizes kinase-active dimers into competent signalling platforms. Nature Communications, 2016, 7, 13307.	5.8	146
4	Correlative multi-scale cryo-imaging unveils SARS-CoV-2 assembly and egress. Nature Communications, 2021, 12, 4629.	5.8	108
5	The architecture of EGFRâ€™s basal complexes reveals autoinhibition mechanisms in dimers and oligomers. Nature Communications, 2018, 9, 4325.	5.8	71
6	Inhibitor-induced HER2-HER3 heterodimerisation promotes proliferation through a novel dimer interface. ELife, 2018, 7, .	2.8	55
7	Solid immersion microscopy images cells under cryogenic conditions with 12â€‰nm resolution. Communications Biology, 2019, 2, 74.	2.0	49
8	Secretome Compartment Is a Valuable Source of Biomarkers for Cancer-Relevant Pathways. Journal of Proteome Research, 2011, 10, 4196-4207.	1.8	47
9	Measuring EGFR Separations on Cells with â^¼10 nm Resolution via Fluorophore Localization Imaging with Photobleaching. PLoS ONE, 2013, 8, e62331.	1.1	44
10	Structure and Dynamics of the EGF Receptor as Revealed by Experiments and Simulations and Its Relevance to Non-Small Cell Lung Cancer. Cells, 2019, 8, 316.	1.8	35
11	Serial cryoFIB/SEM Reveals Cytoarchitectural Disruptions in Leigh Syndrome Patient Cells. Structure, 2021, 29, 82-87.e3.	1.6	27
12	A Systematic Investigation of Differential Effects of Cell Culture Substrates on the Extent of Artifacts in Single-Molecule Tracking. PLoS ONE, 2012, 7, e45655.	1.1	25
13	Structureâ€“function relationships and supramolecular organization of the EGFR (epidermal growth) Tj ETQq1 1 0.784314 rgBT /Over	1.6	19
14	Mechanisms of Action of EGFR Tyrosine Kinase Receptor Incorporated in Extracellular Vesicles. Cells, 2020, 9, 2505.	1.8	18
15	A tale of the epidermal growth factor receptor: The quest for structural resolution on cells. Methods, 2016, 95, 86-93.	1.9	15
16	Multicolour single molecule imaging on cells using a supercontinuum source. Biomedical Optics Express, 2012, 3, 400.	1.5	14
17	Cooperation and Interplay between EGFR Signalling and Extracellular Vesicle Biogenesis in Cancer. Cells, 2020, 9, 2639.	1.8	13
18	Nanometric molecular separation measurements by single molecule photobleaching. Methods, 2015, 88, 76-80.	1.9	11

#	Article	IF	Citations
19	Optics clustered to output unique solutions: A multi-laser facility for combined single molecule and ensemble microscopy. Review of Scientific Instruments, 2011, 82, 093705.	0.6	10
20	Cluster Analysis of Endogenous HER2 and HER3 Receptors in SKBR3 Cells. Bio-protocol, 2018, 8, e3096.	0.2	8
21	Determining the geometry of oligomers of the human epidermal growth factor family on cells with 7Ânm resolution. Progress in Biophysics and Molecular Biology, 2015, 118, 139-152.	1.4	7
22	Determining the geometry of oligomers of the human epidermal growth factor family on cells with <10 nm resolution. Biochemical Society Transactions, 2015, 43, 309-314.	1.6	5
23	Super-resolution Microscopy at Cryogenic Temperatures Using Solid Immersion Lenses. Bio-protocol, 2019, 9, e3426.	0.2	3
24	A global sampler of single particle tracking solutions for single molecule microscopy. PLoS ONE, 2019, 14, e0221865.	1.1	2