Laura Carolina Zanetti-Domingues

List of Publications by Citations

27 papers	623 citations	13 h-index	24 g-index
28 ext. papers	854 ext. citations	6.3 avg, IF	3.4 L-index

#	Paper	IF	Citations
27	Hydrophobic fluorescent probes introduce artifacts into single molecule tracking experiments due to non-specific binding. *PLoS ONE*, **2013**, 8, e74200	3.7	104
26	Affimer proteins are versatile and renewable affinity reagents. *ELife*, **2017**, 6,	8.9	103
25	EGFR oligomerization organizes kinase-active dimers into competent signalling platforms. *Nature Communications*, **2016**, 7, 13307	17.4	91
24	Secretome compartment is a valuable source of biomarkers for cancer-relevant pathways. *Journal of Proteome Research*, **2011**, 10, 4196-207	5.6	40
23	The architecture of EGFR's basal complexes reveals autoinhibition mechanisms in dimers and oligomers. *Nature Communications*, **2018**, 9, 4325	17.4	37
22	Inhibitor-induced HER2-HER3 heterodimerisation promotes proliferation through a novel dimer interface. *ELife*, **2018**, 7,	8.9	36
21	Measuring EGFR separations on cells with ~10 nm resolution via fluorophore localization imaging with photobleaching. *PLoS ONE*, **2013**, 8, e62331	3.7	32
20	Solid immersion microscopy images cells under cryogenic conditions with 12 nm resolution. *Communications Biology*, **2019**, 2, 74	6.7	27
19	Correlative multi-scale cryo-imaging unveils SARS-CoV-2 assembly and egress. *Nature Communications*, **2021**, 12, 4629	17.4	24
18	A systematic investigation of differential effects of cell culture substrates on the extent of artifacts in single-molecule tracking. *PLoS ONE*, **2012**, 7, e45655	3.7	17
17	Structure-function relationships and supramolecular organization of the EGFR (epidermal growth factor receptor) on the cell surface. *Biochemical Society Transactions*, **2014**, 42, 114-9	5.1	16
16	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,	7.9	15
15	A tale of the epidermal growth factor receptor: The quest for structural resolution on cells. *Methods*, **2016**, 95, 86-93	4.6	13
14	Multicolour single molecule imaging on cells using a supercontinuum source. *Biomedical Optics Express*, **2012**, 3, 400-6	3.5	13
13	Serial cryoFIB/SEM Reveals Cytoarchitectural Disruptions in Leigh Syndrome Patient Cells. *Structure* , **2021**, 29, 82-87.e3	5.2	10
12	Optics clustered to output unique solutions: a multi-laser facility for combined single molecule and ensemble microscopy. *Review of Scientific Instruments*, **2011**, 82, 093705	1.7	8
11	Nanometric molecular separation measurements by single molecule photobleaching. *Methods*, **2015**, 88, 76-80	4.6	7

10	Cooperation and Interplay between EGFR Signalling and Extracellular Vesicle Biogenesis in Cancer. *Cells*, **2020**, 9,	7.9	5
9	Cluster Analysis of Endogenous HER2 and HER3 Receptors in SKBR3 Cells. *Bio-protocol*, **2018**, 8, e3096	0.9	5
8	SARS-CoV-2 Assembly and Egress Pathway Revealed by Correlative Multi-modal Multi-scale Cryo-imaging **2020**,		5
7	Determining the geometry of oligomers of the human epidermal growth factor family on cells with . *Biochemical Society Transactions*, **2015**, 43, 309-14	5.1	4
6	Mechanisms of Action of EGFR Tyrosine Kinase Receptor Incorporated in Extracellular Vesicles. *Cells*, **2020**, 9,	7.9	4
5	Determining the geometry of oligomers of the human epidermal growth factor family on cells with 7 nm resolution. *Progress in Biophysics and Molecular Biology*, **2015**, 118, 139-52	4.7	3
4	Super-resolution Microscopy at Cryogenic Temperatures Using Solid Immersion Lenses. *Bio-protocol*, **2019**, 9, e3426	0.9	2
3	A global sampler of single particle tracking solutions for single molecule microscopy. *PLoS ONE*, **2019**, 14, e0221865	3.7	1
2	Correlative Multi-scale Cryo-imaging Unveils SARS-CoV-2 Assembly and Egress **2021**,		1
1	High-Resolution Microscopy for Structural Studies of Biological Systems in Cells **2018**, 1-10		