Paolo Annibale

List of Publications by Year
in descending order

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43	2,052	257101	288905
papers	citations	24 h-index	40 g-index

46	46	46	2939
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Quantitative Photo Activated Localization Microscopy: Unraveling the Effects of Photoblinking. PLoS ONE, 2011, 6, e22678.	1.1	252
2	Identification of clustering artifacts in photoactivated localization microscopy. Nature Methods, 2011, 8, 527-528.	9.0	197
3	Conserved Pseudoknots in lncRNA MEG3 Are Essential for Stimulation of the p53 Pathway. Molecular Cell, 2019, 75, 982-995.e9.	4.5	138
4	Charge Injection Across Self-Assembly Monolayers in Organic Field-Effect Transistors:â€‰ Oddâ€'Even Effects. Journal of the American Chemical Society, 2007, 129, 6477-6484.	6.6	134
5	Optical Mapping of cAMP Signaling at the Nanometer Scale. Cell, 2020, 182, 1519-1530.e17.	13.5	125
6	Photoactivatable Fluorescent Protein mEos2 Displays Repeated Photoactivation after a Long-Lived Dark State in the Red Photoconverted Form. Journal of Physical Chemistry Letters, 2010, 1, 1506-1510.	2.1	87
7	Single-molecule analysis reveals agonist-specific dimer formation of Âµ-opioid receptors. Nature Chemical Biology, 2020, 16, 946-954.	3.9	86
8	Receptor-associated independent cAMP nanodomains mediate spatiotemporal specificity of GPCR signaling. Cell, 2022, 185, 1130-1142.e11.	13.5	85
9	ssDNA Binding Reveals the Atomic Structure of Graphene. Langmuir, 2010, 26, 18078-18082.	1.6	81
10	Atypical Antipsychotics and Metabolic Syndrome: From Molecular Mechanisms to Clinical Differences. Pharmaceuticals, 2021, 14, 238.	1.7	80
11	Progress in quantitative single-molecule localization microscopy. Histochemistry and Cell Biology, 2014, 142, 5-17.	0.8	78
12	Cell Type-specific Î²2-Adrenergic Receptor Clusters Identified Using Photoactivated Localization Microscopy Are Not Lipid Raft Related, but Depend on Actin Cytoskeleton Integrity. Journal of Biological Chemistry, 2012, 287, 16768-16780.	1.6	76
13	DNA adsorption measured with ultra-thin film organic field effect transistors. Biosensors and Bioelectronics, 2009, 24, 2935-2938.	5.3	71
14	Revealing Gâ€proteinâ€coupled receptor oligomerization at the singleâ€molecule level through a nanoscopic lens: methods, dynamics and biological function. FEBS Journal, 2016, 283, 1197-1217.	2.2	61
15	Persistent nuclear actin filaments inhibit transcription by RNA polymerase II. Journal of Cell Science, 2016, 129, 3412-25.	1.2	60
16	Advanced fluorescence microscopy reveals disruption of dynamic CXCR4 dimerization by subpocket-specific inverse agonists. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 29144-29154.	3.3	42
17	Identification of the factors affecting co-localization precision for quantitative multicolor localization microscopy. Optical Nanoscopy, 2012, 1, 9.	4.0	35
18	Mapping the Dynamics of the Glucocorticoid Receptor within the Nuclear Landscape. Scientific Reports, 2017, 7, 6219.	1.6	35

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19	Quantitative Single-Residue Bioorthogonal Labeling of G Protein-Coupled Receptors in Live Cells. ACS Chemical Biology, 2019, 14, 1141-1149.	1.6	33
20	High-Resolution Mapping of the Electrostatic Potential in Organic Thin-Film Transistors by Phase Electrostatic Force Microscopy. Journal of Physical Chemistry A, 2007, 111, 12854-12858.	1.1	32
21	Electrically tunable lens speeds up 3D orbital tracking. Biomedical Optics Express, 2015, 6, 2181.	1.5	31
22	Visualization of Î²-adrenergic receptor dynamics and differential localization in cardiomyocytes. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	30
23	Imaging and Detection of Single Molecule Recognition Events on Organic Semiconductor Surfaces. Nano Letters, 2009, 9, 571-575.	4.5	26
24	Enlightening G-protein-coupled receptors on the plasma membrane using super-resolution photoactivated localization microscopy. Biochemical Society Transactions, 2013, 41, 191-196.	1.6	26
25	Determination of G-proteinâ€“coupled receptor oligomerization by molecular brightness analyses in single cells. Nature Protocols, 2021, 16, 1419-1451.	5.5	25
26	Differential Signaling Profiles of MC4R Mutations with Three Different Ligands. International Journal of Molecular Sciences, 2020, 21, 1224.	1.8	24
27	Single cell visualization of transcription kinetics variance of highly mobile identical genes using 3D nanoimaging. Scientific Reports, 2015, 5, 9258.	1.6	21
28	Visualizing the functional 3D shape and topography of long noncoding RNAs by single-particle atomic force microscopy and in-solution hydrodynamic techniques. Nature Protocols, 2020, 15, 2107-2139.	5.5	14
29	3D Orbital Tracking in a Modified Two-photon Microscope: An Application to the Tracking of Intracellular Vesicles. Journal of Visualized Experiments, 2014, , e51794.	0.2	8
30	Linescan microscopy data to extract diffusion coefficient of a fluorescent species using a commercial confocal microscope. Data in Brief, 2020, 29, 105063.	0.5	8
31	Advanced fluorescence microscopy methods for the real-time study of transcription and chromatin dynamics. Transcription, 2014, 5, e28425.	1.7	7
32	Optical measurement of focal offset in tunable lenses. Optics Express, 2016, 24, 1031.	1.7	7
33	Quantitative phaseâ€mode electrostatic force microscopy on silicon oxide nanostructures. Journal of Microscopy, 2020, 280, 252-269.	0.8	7
34	Spatial heterogeneity in molecular brightness. Nature Methods, 2020, 17, 273-275.	9.0	7
35	Visualizing the molecular mode of motion from a correlative analysis of localization microscopy datasets. Optics Letters, 2016, 41, 4503.	1.7	6
36	Quantitative spectroscopy of single molecule interaction times. Optics Letters, 2021, 46, 1538.	1.7	2

#	Article	IF	Citations
37	Investigating the Impact of Photo-Blinking on Photo Activated Localization Microscopy: From Single Molecules to Cell Membrane Receptors. Biophysical Journal, 2012, 102, 724a.	0.2	1
38	3D Orbital Tracking of a DNA Locus during the Process of Transcription. Biophysical Journal, 2014, 106, 394a-395a.	0.2	1
39	The Impact of Membrane Protein Diffusion on GPCR Signaling. Cells, 2022, 11, 1660.	1.8	1
40	Transcription Kinetics Heterogeneity of Highly Mobile Identical Genes Revealed by Simultaneous Measurement at the Single Cell Level. Biophysical Journal, 2015, 108, 507a.	0.2	0
41	Nuclear Actin Dynamics Regulate Nuclear Organization and Transcription. Biophysical Journal, 2015, 108, 536a.	0.2	0
42	Fluorescence Fluctuation Microscopy Techniques to Study mRNA Synthesis and Dynamics. Biophysical Journal, 2015, 108, 324a-325a.	0.2	0
43	3D orbital tracking for super-resolving the dynamics of gene expression. , 2015, , .		0