Christopher J Tynan

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Hydrophobic Fluorescent Probes Introduce Artifacts into Single Molecule Tracking Experiments Due to Non-Specific Binding. PLoS ONE, 2013, 8, e74200.	2.5	147
2	EGFR oligomerization organizes kinase-active dimers into competent signalling platforms. Nature Communications, 2016, 7, 13307.	12.8	146
3	Candidalysin activates innate epithelial immune responses via epidermal growth factor receptor. Nature Communications, 2019, 10, 2297.	12.8	104
4	Focal adhesions are sites of integrin extension. Journal of Cell Biology, 2010, 188, 891-903.	5.2	99
5	Single-Molecule Imaging and Fluorescence Lifetime Imaging Microscopy Show Different Structures for High- and Low-Affinity Epidermal Growth Factor Receptors in A431 Cells. Biophysical Journal, 2008, 94, 803-819.	0.5	79
6	The architecture of EGFR's basal complexes reveals autoinhibition mechanisms in dimers and oligomers. Nature Communications, 2018, 9, 4325.	12.8	71
7	Automated multidimensional single molecule fluorescence microscopy feature detection and tracking. European Biophysics Journal, 2011, 40, 1167-1186.	2.2	44
8	3D visualization of additive occlusion and tunable full-spectrum fluorescence in calcite. Nature Communications, 2016, 7, 13524.	12.8	40
9	Self-association of Calcium-binding Protein S100A4 and Metastasis. Journal of Biological Chemistry, 2010, 285, 914-922.	3.4	37
10	Human Epidermal Growth Factor Receptor (EGFR) Aligned on the Plasma Membrane Adopts Key Features of Drosophila EGFR Asymmetry. Molecular and Cellular Biology, 2011, 31, 2241-2252.	2.3	37
11	Multicolour Single Molecule Imaging in Cells with Near Infra-Red Dyes. PLoS ONE, 2012, 7, e36265.	2.5	29
12	Structure–function relationships and supramolecular organization of the EGFR (epidermal growth) Tj ETQq0 0	0 rgBT /Ov	verlock 10 Tf
13	A tale of the epidermal growth factor receptor: The quest for structural resolution on cells. Methods, 2016, 95, 86-93.	3.8	15
14	Supramolecular clustering of the cardiac sodium channel Nav1.5 in HEK293F cells, with and without the auxiliary β3â€subunit. FASEB Journal, 2020, 34, 3537-3553.	0.5	15

- Nanometric molecular separation measurements by single molecule photobleaching. Methods, 2015,
 88, 76-80.
- 16Optics clustered to output unique solutions: A multi-laser facility for combined single molecule and
ensemble microscopy. Review of Scientific Instruments, 2011, 82, 093705.1.310
- 17Investigating extracellular in situ EGFR structure and conformational changes using FRET
microscopy. Biochemical Society Transactions, 2012, 40, 189-194.3.48Determining the mean structure of alignment of the human and demonstrated mouth factor family on college3.48
- 18Determining the geometry of oligomers of the human epidermal growth factor family on cells with
7Ânm resolution. Progress in Biophysics and Molecular Biology, 2015, 118, 139-152.2.9

#	Article	IF	CITATIONS
19	AR cooperates with SMAD4 to maintain skeletal muscle homeostasis. Acta Neuropathologica, 2022, 143, 713-731.	7.7	6
20	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.	3.4	5
21	The guidance and adhesion protein FLRT2 dimerizes in cis via dual small-X3-small transmembrane motifs. Structure, 2022, 30, 1354-1365.e5.	3.3	4