

# Christopher J Tynan

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4575626/publications.pdf>

Version: 2024-02-01

21  
papers

933  
citations

687220

13  
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713332

21  
g-index

22  
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docs citations

22  
times ranked

1702  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Hydrophobic Fluorescent Probes Introduce Artifacts into Single Molecule Tracking Experiments Due to Non-Specific Binding. <i>PLoS ONE</i> , 2013, 8, e74200.   | 1.1 | 147       |
| 2  | EGFR oligomerization organizes kinase-active dimers into competent signalling platforms. <i>Nature Communications</i> , 2016, 7, 13307.  | 5.8 | 146       |
| 3  | Candidalysin activates innate epithelial immune responses via epidermal growth factor receptor. <i>Nature Communications</i> , 2019, 10, 2297.   | 5.8 | 104       |
| 4  | Focal adhesions are sites of integrin extension. <i>Journal of Cell Biology</i> , 2010, 188, 891-903.  | 2.3 | 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. <i>Biophysical Journal</i> , 2008, 94, 803-819. | 0.2 | 79        |
| 6  | The architecture of EGFR's basal complexes reveals autoinhibition mechanisms in dimers and oligomers. <i>Nature Communications</i> , 2018, 9, 4325.  | 5.8 | 71        |
| 7  | Automated multidimensional single molecule fluorescence microscopy feature detection and tracking. <i>European Biophysics Journal</i> , 2011, 40, 1167-1186.   | 1.2 | 44        |
| 8  | 3D visualization of additive occlusion and tunable full-spectrum fluorescence in calcite. <i>Nature Communications</i> , 2016, 7, 13524.   | 5.8 | 40        |
| 9  | Self-association of Calcium-binding Protein S100A4 and Metastasis. <i>Journal of Biological Chemistry</i> , 2010, 285, 914-922.  | 1.6 | 37        |
| 10 | Human Epidermal Growth Factor Receptor (EGFR) Aligned on the Plasma Membrane Adopts Key Features of Drosophila EGFR Asymmetry. <i>Molecular and Cellular Biology</i> , 2011, 31, 2241-2252.                                | 1.1 | 37        |
| 11 | Multicolour Single Molecule Imaging in Cells with Near Infra-Red Dyes. <i>PLoS ONE</i> , 2012, 7, e36265.  | 1.1 | 29        |
| 12 | Structure-function relationships and supramolecular organization of the EGFR (epidermal growth) Tj ETQq0 0 0 rBT /Overlock 10 Tf   | 1.6 | 19        |
| 13 | A tale of the epidermal growth factor receptor: The quest for structural resolution on cells. <i>Methods</i> , 2016, 95, 86-93.  | 1.9 | 15        |
| 14 | Supramolecular clustering of the cardiac sodium channel Nav1.5 in HEK293F cells, with and without the auxiliary $\beta$ subunit. <i>FASEB Journal</i> , 2020, 34, 3537-3553.   | 0.2 | 15        |
| 15 | Nanometric molecular separation measurements by single molecule photobleaching. <i>Methods</i> , 2015, 88, 76-80.  | 1.9 | 11        |
| 16 | Optics clustered to output unique solutions: A multi-laser facility for combined single molecule and ensemble microscopy. <i>Review of Scientific Instruments</i> , 2011, 82, 093705.                                      | 0.6 | 10        |
| 17 | Investigating extracellular in situ EGFR structure and conformational changes using FRET microscopy. <i>Biochemical Society Transactions</i> , 2012, 40, 189-194.  | 1.6 | 8         |
| 18 | Determining the geometry of oligomers of the human epidermal growth factor family on cells with 7Ånm resolution. <i>Progress in Biophysics and Molecular Biology</i> , 2015, 118, 139-152.                                 | 1.4 | 7         |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | AR cooperates with SMAD4 to maintain skeletal muscle homeostasis. <i>Acta Neuropathologica</i> , 2022, 143, 713-731.  | 3.9 | 6         |
| 20 | Determining the geometry of oligomers of the human epidermal growth factor family on cells with <10 nm resolution. <i>Biochemical Society Transactions</i> , 2015, 43, 309-314. | 1.6 | 5         |
| 21 | The guidance and adhesion protein FLRT2 dimerizes in cis via dual small-X3-small transmembrane motifs. <i>Structure</i> , 2022, 30, 1354-1365.e5.                               | 1.6 | 4         |