# P Kanchanawong

List of Publications by Year
in descending order



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|---|---|---|---|
| 31 papers | 3,475 citations | 471509 17 h-index | 414414 32 g-index |
| 33 all docs | 33 docs citations | 33 times ranked | 4786 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Nanoscale architecture of integrin-based cell adhesions. Nature, 2010, 468, 580-584. | 27.8 | 1,323 |
| 2 | Interferometric fluorescent super-resolution microscopy resolves 3D cellular ultrastructure. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 3125-3130. | 7.1 | 816 |
| 3 | Actin-Delimited Adhesion-Independent Clustering of E-Cadherin Forms the Nanoscale Building Blocks of Adherens Junctions. Developmental Cell, 2015, 32, 139-154. | 7.0 | 175 |
| 4 | Talin determines the nanoscale architecture of focal adhesions. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E4864-73. | 7.1 | 150 |
| 5 | Nanoscale architecture of cadherin-based cellÂadhesions. Nature Cell Biology, 2017, 19, 28-37. | 10.3 | 135 |
| 6 | Microscopy in 3D: a biologist's toolbox. Trends in Cell Biology, 2011, 21, 682-691. | 7.9 | 133 |
| 7 | A mechano-signalling network linking microtubules, myosin IIA filaments and integrin-based adhesions. Nature Materials, 2019, 18, 638-649. | 27.5 | 129 |
| 8 | Ultrafast Excited-State Dynamics in the Green Fluorescent Protein Variant S65T/H148D. 1. Mutagenesis and Structural Studies<sup>,</sup>. Biochemistry, 2007, 46, 12005-12013. | 2.5 | 76 |
| 9 | Ultrafast Excited-State Dynamics in the Green Fluorescent Protein Variant S65T/H148D. 2. Unusual Photophysical Properties. Biochemistry, 2007, 46, 12014-12025. | 2.5 | 70 |
| 10 | Exploiting the protein corona around gold nanorods for low-dose combined photothermal and photodynamic therapy. Journal of Materials Chemistry B, 2017, 5, 254-268. | 5.8 | 70 |
| 11 | Imaging cellular ultrastructure by PALM, iPALM, and correlative iPALM-EM. Methods in Cell Biology, 2014, 123, 273-294. | 1.1 | 50 |
| 12 | Extracting microtubule networks from superresolution single-molecule localization microscopy data. Molecular Biology of the Cell, 2017, 28, 333-345. | 2.1 | 49 |
| 13 | Charge Delocalization in the Special-Pair Radical Cation of Mutant Reaction Centers ofRhodobactersphaeroidesfrom Stark Spectra and Nonadiabatic Spectral Simulations. Journal of Physical Chemistry B, 2006, 110, 18688-18702. | 2.6 | 40 |
| 14 | Nanoscale mechanobiology of cell adhesions. Seminars in Cell and Developmental Biology, 2017, 71, 53-67. | 5.0 | 35 |
| 15 | Computational and experimental studies of the catalytic mechanism of Thermobifida fusca cellulase Cel6A (E2). Protein Engineering, Design and Selection, 2003, 16, 125-134. | 2.1 | 29 |
| 16 | Advances in light-based imaging of three-dimensional cellular ultrastructure. Current Opinion in Cell Biology, 2012, 24, 125-133. | 5.4 | 27 |
| 17 | Label-free Single-Molecule Quantification of Rapamycin-induced FKBPâ€“FRB Dimerization for Direct Control of Cellular Mechanotransduction. Nano Letters, 2019, 19, 7514-7525. | 9.1 | 23 |
| 18 | Moesin Controls Clathrin-Mediated S1PR1 Internalization in T Cells. PLoS ONE, 2013, 8, e82590. | 2.5 | 20 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Establishment of the PAR-1 cortical gradient by the aPKC-PRBH circuit. Nature Chemical Biology, 2018, 14, 917-927. | 8.0 | 20 |
| 20 | An integrated enhancement and reconstruction strategy for the quantitative extraction of actin stress fibers from fluorescence micrographs. BMC Bioinformatics, 2017, 18, 268. | 2.6 | 17 |
| 21 | Stark spectroscopy of mixed-valence systems. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2008, 366, 33-45. | 3.4 | 16 |
| 22 | Actomyosin contractility drives bile regurgitation as an early response during obstructive cholestasis. Journal of Hepatology, 2017, 66, 1231-1240. | 3.7 | 15 |
| 23 | Nanoscale Imaging by Superresolution Fluorescence Microscopy and Its Emerging Applications in Biomedical Research. Critical Reviews in Biomedical Engineering, 2013, 41, 281-308. | 0.9 | 10 |
| 24 | mDia1/3-dependent actin polymerization spatiotemporally controls LAT phosphorylation by Zap70 at the immune synapse. Science Advances, 2020, 6, eaay2432. | 10.3 | 9 |
| 25 | Enhancement of Endothelialization by Topographical Features Is Mediated by PTP1B-Dependent Endothelial Adherens Junctions Remodeling. ACS Biomaterials Science and Engineering, 2021, 7, 2661-2675. | 5.2 | 8 |
| 26 | Localization-Based Super-Resolution Imaging of Cellular Structures. Methods in Molecular Biology, 2013, 1046, 59-84. | 0.9 | 7 |
| 27 | Three-dimensional Super Resolution Microscopy of F-actin Filaments by Interferometric PhotoActivated Localization Microscopy (iPALM). Journal of Visualized Experiments, 2016, , . | 0.3 | 4 |
| 28 | ImaEdge: a platform for the quantitative analysis of cortical proteins spatiotemporal dynamics during cell polarization. Journal of Cell Science, 2017, 130, 4200-4212. | 2.0 | 4 |
| 29 | Visualizing the â€˜backboneâ€™ of focal adhesions. Emerging Topics in Life Sciences, 2018, 2, 677-680. | 2.6 | 3 |
| 30 | Emerging interplay of cytoskeletal architecture, cytomechanics and pluripotency. Journal of Cell Science, 2022, 135, . | 2.0 | 2 |
| 31 | Meshworks Analyzer: Quantitative analysis software for super-resolved actin cortex architecture. Software Impacts, 2021, 10, 100153. | 1.4 | 1 |