

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
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33
all docs

33
docs citations

33
times ranked

4786
citing authors

#	ARTICLE	IF	CITATIONS
1	Emerging interplay of cytoskeletal architecture, cytomechanics and pluripotency. <i>Journal of Cell Science</i> , 2022, 135, .	2.0	2
2	Enhancement of Endothelialization by Topographical Features Is Mediated by PTP1B-Dependent Endothelial Adherens Junctions Remodeling. <i>ACS Biomaterials Science and Engineering</i> , 2021, 7, 2661-2675.	5.2	8
3	Meshworks Analyzer: Quantitative analysis software for super-resolved actin cortex architecture. <i>Software Impacts</i> , 2021, 10, 100153.	1.4	1
4	mDia1/3-dependent actin polymerization spatiotemporally controls LAT phosphorylation by Zap70 at the immune synapse. <i>Science Advances</i> , 2020, 6, eaay2432.	10.3	9
5	Label-free Single-Molecule Quantification of Rapamycin-induced FKBP-FRB Dimerization for Direct Control of Cellular Mechanotransduction. <i>Nano Letters</i> , 2019, 19, 7514-7525.	9.1	23
6	A mechano-signalling network linking microtubules, myosin IIA filaments and integrin-based adhesions. <i>Nature Materials</i> , 2019, 18, 638-649.	27.5	129
7	Visualizing the "backbone" of focal adhesions. <i>Emerging Topics in Life Sciences</i> , 2018, 2, 677-680.	2.6	3
8	Establishment of the PAR-1 cortical gradient by the aPKC-PRBH circuit. <i>Nature Chemical Biology</i> , 2018, 14, 917-927.	8.0	20
9	Actomyosin contractility drives bile regurgitation as an early response during obstructive cholestasis. <i>Journal of Hepatology</i> , 2017, 66, 1231-1240.	3.7	15
10	Nanoscale architecture of cadherin-based cell-cell adhesions. <i>Nature Cell Biology</i> , 2017, 19, 28-37.	10.3	135
11	Nanoscale mechanobiology of cell adhesions. <i>Seminars in Cell and Developmental Biology</i> , 2017, 71, 53-67.	5.0	35
12	ImaEdge: a platform for the quantitative analysis of cortical proteins spatiotemporal dynamics during cell polarization. <i>Journal of Cell Science</i> , 2017, 130, 4200-4212.	2.0	4
13	An integrated enhancement and reconstruction strategy for the quantitative extraction of actin stress fibers from fluorescence micrographs. <i>BMC Bioinformatics</i> , 2017, 18, 268.	2.6	17
14	Exploiting the protein corona around gold nanorods for low-dose combined photothermal and photodynamic therapy. <i>Journal of Materials Chemistry B</i> , 2017, 5, 254-268.	5.8	70
15	Extracting microtubule networks from superresolution single-molecule localization microscopy data. <i>Molecular Biology of the Cell</i> , 2017, 28, 333-345.	2.1	49
16	Three-dimensional Super Resolution Microscopy of F-actin Filaments by Interferometric PhotoActivated Localization Microscopy (iPALM). <i>Journal of Visualized Experiments</i> , 2016, , .	0.3	4
17	Actin-Delimited Adhesion-Independent Clustering of E-Cadherin Forms the Nanoscale Building Blocks of Adherens Junctions. <i>Developmental Cell</i> , 2015, 32, 139-154.	7.0	175
18	Talin determines the nanoscale architecture of focal adhesions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E4864-73.	7.1	150

#	ARTICLE	IF	CITATIONS
19	Imaging cellular ultrastructure by PALM, iPALM, and correlative iPALM-EM. <i>Methods in Cell Biology</i> , 2014, 123, 273-294.	1.1	50
20	Localization-Based Super-Resolution Imaging of Cellular Structures. <i>Methods in Molecular Biology</i> , 2013, 1046, 59-84.	0.9	7
21	Moesin Controls Clathrin-Mediated S1PR1 Internalization in T Cells. <i>PLoS ONE</i> , 2013, 8, e82590.	2.5	20
22	Nanoscale Imaging by Superresolution Fluorescence Microscopy and Its Emerging Applications in Biomedical Research. <i>Critical Reviews in Biomedical Engineering</i> , 2013, 41, 281-308.	0.9	10
23	Advances in light-based imaging of three-dimensional cellular ultrastructure. <i>Current Opinion in Cell Biology</i> , 2012, 24, 125-133.	5.4	27
24	Microscopy in 3D: a biologist's toolbox. <i>Trends in Cell Biology</i> , 2011, 21, 682-691.	7.9	133
25	Nanoscale architecture of integrin-based cell adhesions. <i>Nature</i> , 2010, 468, 580-584.	27.8	1,323
26	Interferometric fluorescent super-resolution microscopy resolves 3D cellular ultrastructure. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 3125-3130.	7.1	816
27	Stark spectroscopy of mixed-valence systems. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2008, 366, 33-45.	3.4	16
28	Ultrafast Excited-State Dynamics in the Green Fluorescent Protein Variant S65T/H148D. 2. Unusual Photophysical Properties. <i>Biochemistry</i> , 2007, 46, 12014-12025.	2.5	70
29	Ultrafast Excited-State Dynamics in the Green Fluorescent Protein Variant S65T/H148D. 1. Mutagenesis and Structural Studies. <i>Biochemistry</i> , 2007, 46, 12005-12013.	2.5	76
30	Charge Delocalization in the Special-Pair Radical Cation of Mutant Reaction Centers of <i>Rhodospira rubra</i> from Stark Spectra and Nonadiabatic Spectral Simulations. <i>Journal of Physical Chemistry B</i> , 2006, 110, 18688-18702.	2.6	40
31	Computational and experimental studies of the catalytic mechanism of <i>Thermobifida fusca</i> cellulase Cel6A (E2). <i>Protein Engineering, Design and Selection</i> , 2003, 16, 125-134.	2.1	29