

Daniel M Czajkowsky

List of Publications by Year in descending order

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46
papers

995
citations

687335

13
h-index

477281

29
g-index

50
all docs

50
docs citations

50
times ranked

1716
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Epithelial Cells in 2D and 3D Cultures Exhibit Large Differences in Higher-order Genomic Interactions. <i>Genomics, Proteomics and Bioinformatics</i> , 2022, 20, 101-109. | 6.9 | 4 |
| 2 | SARS-CoV-2 infection and oxidative stress: Pathophysiological insight into thrombosis and therapeutic opportunities. <i>Cytokine and Growth Factor Reviews</i> , 2022, 63, 44-57. | 7.2 | 41 |
| 3 | Robust Acquisition of Spatial Transcriptional Programs in Tissues With Immunofluorescence-Guided Laser Capture Microdissection. <i>Frontiers in Cell and Developmental Biology</i> , 2022, 10, 853188. | 3.7 | 3 |
| 4 | Single-Molecule Micromanipulation and Super-Resolution Imaging Resolve Nanodomains Underlying Chromatin Folding in Mitotic Chromosomes. <i>ACS Nano</i> , 2022, 16, 8030-8039. | 14.6 | 7 |
| 5 | Three-dimensional Quantitative Imaging of Native Microbiota Distribution in the Gut. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 3055-3061. | 13.8 | 31 |
| 6 | Three-dimensional Quantitative Imaging of Native Microbiota Distribution in the Gut. <i>Angewandte Chemie</i> , 2021, 133, 3092-3098. | 2.0 | 1 |
| 7 | Efficient and Fast Immuno-labeling of Clarified Tissues Using Low-Field Enhanced Diffusion. <i>IEEE Transactions on Biomedical Engineering</i> , 2021, 68, 1-1. | 4.2 | 0 |
| 8 | High-resolution single-cell 3D-models of chromatin ensembles during <i>Drosophila</i> embryogenesis. <i>Nature Communications</i> , 2021, 12, 205. | 12.8 | 17 |
| 9 | The role of vitamin D in reducing SARS-CoV-2 infection: An update. <i>International Immunopharmacology</i> , 2021, 97, 107686. | 3.8 | 31 |
| 10 | Monocytic THP-1 cells diverge significantly from their primary counterparts: a comparative examination of the chromosomal conformations and transcriptomes. <i>Hereditas</i> , 2021, 158, 43. | 1.4 | 8 |
| 11 | Controlling Water Flow through a Synthetic Nanopore with Permeable Cations. <i>ACS Central Science</i> , 2021, 7, 2092-2098. | 11.3 | 8 |
| 12 | Evidence for heightened genetic instability in precancerous spasmolytic polypeptide expressing gastric glands. <i>Journal of Medical Genetics</i> , 2020, 57, 385-388. | 3.2 | 6 |
| 13 | Q-Nuc: a bioinformatics pipeline for the quantitative analysis of nucleosomal profiles. <i>Interdisciplinary Sciences, Computational Life Sciences</i> , 2020, 12, 69-81. | 3.6 | 6 |
| 14 | Significant improvement in data quality with simplified SCRB-seq. <i>Acta Biochimica Et Biophysica Sinica</i> , 2020, 52, 457-459. | 2.0 | 5 |
| 15 | Ultrasensitive liposome-based assay for the quantification of fundamental ion channel properties. <i>Analytica Chimica Acta</i> , 2020, 1112, 8-15. | 5.4 | 7 |
| 16 | Massive reorganization of the genome during primary monocyte differentiation into macrophage. <i>Acta Biochimica Et Biophysica Sinica</i> , 2020, 52, 546-553. | 2.0 | 4 |
| 17 | Unconventional Atomic Structure of Graphene Sheets on Solid Substrates. <i>Small</i> , 2019, 15, 1902637. | 10.0 | 2 |
| 18 | Atomic force microscopy-based single-molecule force spectroscopy detects DNA base mismatches. <i>Nanoscale</i> , 2019, 11, 17206-17210. | 5.6 | 13 |

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|----|---|------|-----------|
| 19 | Interplay between the bacterial protein deacetylase CobB and the second messenger cAMP-GMP. <i>EMBO Journal</i> , 2019, 38, e100948. | 7.8 | 28 |
| 20 | Discovery and genetic characterization of intestinal metaplasia in the <i>Helicobacter felis</i> -infected mouse model of gastric cancer. <i>Acta Biochimica Et Biophysica Sinica</i> , 2019, 51, 219-222. | 2.0 | 1 |
| 21 | Identification of Serine 119 as an Effective Inhibitor Binding Site of <i>M. tuberculosis</i> Ubiquitin-like Protein Ligase PafA Using Purified Proteins and <i>M. smegmatis</i> . <i>EBioMedicine</i> , 2018, 30, 225-236. | 6.1 | 9 |
| 22 | Sub-kb Hi-C in <i>D. melanogaster</i> reveals conserved characteristics of TADs between insect and mammalian cells. <i>Nature Communications</i> , 2018, 9, 188. | 12.8 | 126 |
| 23 | Super-resolution Imaging of Individual Human Subchromosomal Regions <i>in Situ</i> Reveals Nanoscopic Building Blocks of Higher-Order Structure. <i>ACS Nano</i> , 2018, 12, 4909-4918. | 14.6 | 41 |
| 24 | abLIM1 constructs non-erythroid cortical actin networks to prevent mechanical tension-induced blebbing. <i>Cell Discovery</i> , 2018, 4, 42. | 6.7 | 10 |
| 25 | Helix \pm 3 inter-molecular salt bridges and conformational changes are essential for toxicity of <i>Bacillus thuringiensis</i> 3D-Cry toxin family. <i>Scientific Reports</i> , 2018, 8, 10331. | 3.3 | 13 |
| 26 | Cell Lysate Microarray for Mapping the Network of Genetic Regulators for Histone Marks. <i>Molecular and Cellular Proteomics</i> , 2018, 17, 1720-1736. | 3.8 | 1 |
| 27 | Glycan-independent binding and internalization of human IgM to FCMR, its cognate cellular receptor. <i>Scientific Reports</i> , 2017, 7, 42989. | 3.3 | 20 |
| 28 | The Ser/Thr Protein Kinase Protein-Protein Interaction Map of <i>M. tuberculosis</i> *. <i>Molecular and Cellular Proteomics</i> , 2017, 16, 1491-1506. | 3.8 | 39 |
| 29 | Improved clearing of lipid droplet-rich tissues for three-dimensional structural elucidation. <i>Acta Biochimica Et Biophysica Sinica</i> , 2017, 49, 465-467. | 2.0 | 9 |
| 30 | Toward the development of magnetic tweezers for high-throughput measurement of protein-protein interactions. <i>Acta Biochimica Et Biophysica Sinica</i> , 2017, 49, 468-470. | 2.0 | 0 |
| 31 | Ultra-deep sequencing of ribosome-associated poly-adenylated RNA in early <i>Drosophila</i> embryos reveals hundreds of conserved translated sORFs. <i>DNA Research</i> , 2016, 23, 571-580. | 3.4 | 14 |
| 32 | Complex clonal mosaicism within microdissected intestinal metaplastic glands without concurrent gastric cancer. <i>Journal of Medical Genetics</i> , 2016, 53, 643-646. | 3.2 | 6 |
| 33 | Nanoscale characterization of the water vapor-salt interfacial layer reveals a unique biphasic adsorption process. <i>Scientific Reports</i> , 2016, 6, 31688. | 3.3 | 3 |
| 34 | Development of a low-noise cryogenic atomic force microscope for high resolution imaging of large biological complexes. <i>Acta Biochimica Et Biophysica Sinica</i> , 2016, 48, 859-861. | 2.0 | 1 |
| 35 | The non-coding RNA composition of the mitotic chromosome by 5 ^h -tag sequencing. <i>Nucleic Acids Research</i> , 2016, 44, 4934-4946. | 14.5 | 16 |
| 36 | Fast immuno-labeling by electrophoretically driven infiltration for intact tissue imaging. <i>Scientific Reports</i> , 2015, 5, 10640. | 3.3 | 40 |

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|----|---|------|-----------|
| 37 | Developing the IVIG biomimetic, Hexa-Fc, for drug and vaccine applications. <i>Scientific Reports</i> , 2015, 5, 9526. | 3.3 | 33 |
| 38 | Identification of the minimal binding region of a <i>Plasmodium falciparum</i> IgM binding PfEMP1 domain. <i>Molecular and Biochemical Parasitology</i> , 2015, 201, 76-82. | 1.1 | 14 |
| 39 | Systematic identification of arsenic-binding proteins reveals that hexokinase-2 is inhibited by arsenic. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 15084-15089. | 7.1 | 126 |
| 40 | Illuminated up close: near-field optical microscopy of cell surfaces. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2015, 11, 119-125. | 3.3 | 4 |
| 41 | YcgC represents a new protein deacetylase family in prokaryotes. <i>ELife</i> , 2015, 4, . | 6.0 | 52 |
| 42 | Single molecule compression reveals intra-protein forces drive cytotoxin pore formation. <i>ELife</i> , 2015, 4, e08421. | 6.0 | 16 |
| 43 | Re-evaluation of the widely applied force-frequency relation for frequency-modulation AFM under solution. <i>Journal of Shanghai Jiaotong University (Science)</i> , 2014, 19, 612-616. | 0.9 | 0 |
| 44 | Direct resolution of the pitch of DNA on positively charged lipid bilayers by frequency-modulation AFM. <i>Journal of Shanghai Jiaotong University (Science)</i> , 2014, 19, 565-568. | 0.9 | 1 |
| 45 | Novel experimental strategy for high resolution AFM imaging of membrane-associated bacterial toxins. <i>Journal of Shanghai Jiaotong University (Science)</i> , 2014, 19, 569-573. | 0.9 | 1 |
| 46 | Self-assembling subnanometer pores with unusual mass-transport properties. <i>Nature Communications</i> , 2012, 3, 949. | 12.8 | 174 |