

Kem A Sochacki

List of Publications by Year in descending order

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Version: 2024-02-01

38
papers

1,688
citations

394421

19
h-index

526287

27
g-index

49
all docs

49
docs citations

49
times ranked

2472
citing authors

#	ARTICLE	IF	CITATIONS
1	Real-time attack on single <i>Escherichia coli</i> cells by the human antimicrobial peptide LL-37. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, E77-81.	7.1	233
2	Endocytic proteins are partitioned at the edge of the clathrin lattice in mammalian cells. Nature Cell Biology, 2017, 19, 352-361.	10.3	176
3	Correlative super-resolution fluorescence and metal-replica transmission electron microscopy. Nature Methods, 2014, 11, 305-308.	19.0	123
4	Clathrin-adaptor ratio and membrane tension regulate the flat-to-curved transition of the clathrin coat during endocytosis. Nature Communications, 2018, 9, 1109.	12.8	109
5	Cytoplasmic Protein Mobility in Osmotically Stressed <i>Escherichia coli</i> . Journal of Bacteriology, 2009, 191, 231-237.	2.2	99
6	Protein Diffusion in the Periplasm of <i>E. coli</i> under Osmotic Stress. Biophysical Journal, 2011, 100, 22-31.	0.5	90
7	Wide-field in vivo background free imaging by selective magnetic modulation of nanodiamond fluorescence. Biomedical Optics Express, 2014, 5, 1190.	2.9	83
8	Membrane bending occurs at all stages of clathrin-coat assembly and defines endocytic dynamics. Nature Communications, 2018, 9, 419.	12.8	82
9	Cryo-EM of the dynamin polymer assembled on lipid membrane. Nature, 2018, 560, 258-262.	27.8	79
10	Diverse protocols for correlative super-resolution fluorescence imaging and electron microscopy of chemically fixed samples. Nature Protocols, 2017, 12, 916-946.	12.0	66
11	From Flat to Curved Clathrin: Controlling a Plastic Ratchet. Trends in Cell Biology, 2019, 29, 241-256.	7.9	64
12	Genome-edited human stem cells expressing fluorescently labeled endocytic markers allow quantitative analysis of clathrin-mediated endocytosis during differentiation. Journal of Cell Biology, 2018, 217, 3301-3311.	5.2	55
13	Temperature-dependent sensitivity enhancement of solid-state NMR spectra of α -synuclein fibrils. Journal of Biomolecular NMR, 2007, 39, 197-211.	2.8	52
14	Preparation of α -synuclein fibrils for solid-state NMR: Expression, purification, and incubation of wild-type and mutant forms. Protein Expression and Purification, 2006, 48, 112-117.	1.3	49
15	Imaging the post-fusion release and capture of a vesicle membrane protein. Nature Communications, 2012, 3, 1154.	12.8	47
16	The structure and spontaneous curvature of clathrin lattices at the plasma membrane. Developmental Cell, 2021, 56, 1131-1146.e3.	7.0	44
17	Imaging the recruitment and loss of proteins and lipids at single sites of calcium-triggered exocytosis. Molecular Biology of the Cell, 2016, 27, 2423-2434.	2.1	43
18	Correlative Fluorescence Super-Resolution Localization Microscopy and Platinum Replica EM on Unroofed Cells. Methods in Molecular Biology, 2017, 1663, 219-230.	0.9	29

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19	Systematic spatial mapping of proteins at exocytic and endocytic structures. <i>Molecular Biology of the Cell</i> , 2014, 25, 2084-2093.	2.1	27
20	Band-selective ¹³ C Homonuclear 3D Spectroscopy for Solid Proteins at High Field with Rotor-synchronized Soft Pulses. <i>Journal of Biomolecular NMR</i> , 2006, 34, 245-257.	2.8	24
21	Sterols lower energetic barriers of membrane bending and fission necessary for efficient clathrin-mediated endocytosis. <i>Cell Reports</i> , 2021, 37, 110008.	6.4	20
22	Structurally distinct endocytic pathways for B cell receptors in B lymphocytes. <i>Molecular Biology of the Cell</i> , 2020, 31, 2826-2840.	2.1	15
23	Dual clathrin and integrin signaling systems regulate growth factor receptor activation. <i>Nature Communications</i> , 2022, 13, 905.	12.8	15
24	The nanoscale molecular morphology of docked exocytic dense-core vesicles in neuroendocrine cells. <i>Nature Communications</i> , 2021, 12, 3970.	12.8	12
25	Eden growth models for flat clathrin lattices with vacancies. <i>New Journal of Physics</i> , 2020, 22, 073043.	2.9	11
26	Spatiotemporal organization and protein dynamics involved in regulated exocytosis of MMP-9 in breast cancer cells. <i>Journal of General Physiology</i> , 2019, 151, 1386-1403.	1.9	10
27	Find your coat: Using correlative light and electron microscopy to study intracellular protein coats. <i>Current Opinion in Cell Biology</i> , 2021, 71, 21-28.	5.4	9
28	Sterols Lower Energetic Barriers of Membrane Bending and Fission Necessary for Efficient Clathrin Mediated Endocytosis. <i>SSRN Electronic Journal</i> , 0, , .	0.4	1
29	Protein Diffusion in the E. coli Cytoplasm and Periplasm under Osmotic Stress. <i>Biophysical Journal</i> , 2009, 96, 30a-31a.	0.5	0
30	Imaging the Dynamic Release and Capture of Vesicle Membrane Proteins in Mammalian Cells. <i>Microscopy and Microanalysis</i> , 2015, 21, 67-68.	0.4	0
31	Correlative iPALM and Platinum Replica Electron Tomography to Highlight Single Molecules on Clathrin Endocytic Structures in 3D. <i>Microscopy and Microanalysis</i> , 2015, 21, 1497-1498.	0.4	0
32	Correlative iPALM and Platinum Replica Electron Tomography Pinpoints Endocytic Proteins on the Mammalian Cell Cortex in 3D. <i>Biophysical Journal</i> , 2015, 108, 360a.	0.5	0
33	Examination of Antigen-Induced Endocytic Structure Formation in B Lymphocytes. <i>Biophysical Journal</i> , 2017, 112, 394a-395a.	0.5	0
34	Modeling the Flat to Curved Transition during Clathrin Mediated Endocytosis. <i>Biophysical Journal</i> , 2018, 114, 280a.	0.5	0
35	Mapping Protein Dynamics During Exocytosis of Single Microvesicles in Neuroendocrine Cells with Evanescent Field Microscopy. <i>Microscopy and Microanalysis</i> , 2019, 25, 1238-1239.	0.4	0
36	Imaging the Nanoscale Structure of Endocytosis with Correlative Super-Resolution Light and Electron Microscopy. <i>Biophysical Journal</i> , 2019, 116, 10a.	0.5	0

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37	Visualizing the Structural Progression of Clathrin Mediated Endocytosis with Fluorescence and Electron Microscopy. <i>Microscopy and Microanalysis</i> , 2020, 26, 794-795.	0.4	0
38	Imaging the structure of the plasma membrane with platinum replica and cryogenic electron microscopy and tomography of unroofed cells.. <i>Microscopy and Microanalysis</i> , 2021, 27, 1894-1895.	0.4	0