

Susan Cox

List of Publications by Year in descending order

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Version: 2024-02-01

44
papers

2,231
citations

304602

22
h-index

265120

42
g-index

51
all docs

51
docs citations

51
times ranked

4217
citing authors

#	ARTICLE	IF	CITATIONS
1	Bayesian localization microscopy reveals nanoscale podosome dynamics. <i>Nature Methods</i> , 2012, 9, 195-200.	9.0	399
2	Inflammasome activation causes dual recruitment of NLRC4 and NLRP3 to the same macromolecular complex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 7403-7408.	3.3	285
3	Cdc42 promotes transendothelial migration of cancer cells through β 1 integrin. <i>Journal of Cell Biology</i> , 2012, 199, 653-668.	2.3	160
4	Sliding charge-density wave in manganites. <i>Nature Materials</i> , 2008, 7, 25-30.	13.3	119
5	Coordinated RhoA signaling at the leading edge and uropod is required for T cell transendothelial migration. <i>Journal of Cell Biology</i> , 2010, 190, 553-563.	2.3	115
6	Cardiomyocytes Sense Matrix Rigidity through a Combination of Muscle and Non-muscle Myosin Contractions. <i>Developmental Cell</i> , 2018, 44, 326-336.e3.	3.1	101
7	Artifact-free high-density localization microscopy analysis. <i>Nature Methods</i> , 2018, 15, 689-692.	9.0	79
8	Strong H \cdot -H \cdot Hydrogen Bonds as Synthons in Polymeric Quantum Magnets: Structural, Magnetic, and Theoretical Characterization of [Cu(HF $_2$)(pyrazine) $_2$]SbF $_6$, [Cu $_2$ F(HF)(HF $_2$)(pyrazine) $_4$](SbF $_6$) $_2$, and [CuAg(H $_3$ F $_4$)(pyrazine) $_5$](SbF $_6$) $_2$. <i>Journal of the American Chemical Society</i> , 2009, 131, 6733-6747.	6.6	76
9	Super-resolution imaging in live cells. <i>Developmental Biology</i> , 2015, 401, 175-181.	0.9	70
10	Emergence of embryonic pattern through contact inhibition of locomotion. <i>Development (Cambridge)</i> , 2012, 139, 4555-4560.	1.2	69
11	RhoB controls endothelial barrier recovery by inhibiting Rac1 trafficking to the cell border. <i>Journal of Cell Biology</i> , 2016, 213, 385-402.	2.3	64
12	Crosstalk Between Reticular Adherens Junctions and Platelet Endothelial Cell Adhesion Molecule-1 Regulates Endothelial Barrier Function. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2012, 32, e90-102.	1.1	61
13	Correlative super-resolution fluorescence and electron microscopy using conventional fluorescent proteins in vacuo. <i>Journal of Structural Biology</i> , 2017, 199, 120-131.	1.3	55
14	Spatial segregation of polarity factors into distinct cortical clusters is required for cell polarity control. <i>Nature Communications</i> , 2013, 4, 1834.	5.8	52
15	Local dimensionality determines imaging speed in localization microscopy. <i>Nature Communications</i> , 2017, 8, 13558.	5.8	41
16	ImageJ plug-in for Bayesian analysis of blinking and bleaching. <i>Nature Methods</i> , 2013, 10, 97-98.	9.0	37
17	Imaging cells at the nanoscale. <i>International Journal of Biochemistry and Cell Biology</i> , 2013, 45, 1669-1678.	1.2	36
18	Neuronal activity controls transsynaptic geometry. <i>Scientific Reports</i> , 2016, 6, 22703.	1.6	34

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19	FMNL2 regulates dynamics of fascin in filopodia. <i>Journal of Cell Biology</i> , 2020, 219, .	2.3	30
20	B cells extract antigens at Arp2/3-generated actin foci interspersed with linear filaments. <i>ELife</i> , 2019, 8, .	2.8	29
21	Evidence for the charge-density-wave nature of the stripe phase in manganites. <i>Journal of Physics Condensed Matter</i> , 2007, 19, 192201.	0.7	28
22	Monitoring epi-ready semiconductor wafers. <i>Thin Solid Films</i> , 2002, 412, 76-83.	0.8	27
23	RhoC and ROCKs regulate cancer cell interactions with endothelial cells. <i>Molecular Oncology</i> , 2015, 9, 1043-1055.	2.1	26
24	Lightsheet fluorescence lifetime imaging microscopy with wide-field time-correlated single photon counting. <i>Journal of Biophotonics</i> , 2020, 13, e201960099.	1.1	26
25	Vinculin Binding Angle in Podosomes Revealed by High Resolution Microscopy. <i>PLoS ONE</i> , 2014, 9, e88251.	1.1	24
26	SUN1/2 Are Essential for RhoA/ROCK-Regulated Actomyosin Activity in Isolated Vascular Smooth Muscle Cells. <i>Cells</i> , 2020, 9, 132.	1.8	22
27	PAK4 Kinase Activity Plays a Crucial Role in the Podosome Ring of Myeloid Cells. <i>Cell Reports</i> , 2019, 29, 3385-3393.e6.	2.9	20
28	Combined AFM and super-resolution localisation microscopy: Investigating the structure and dynamics of podosomes. <i>European Journal of Cell Biology</i> , 2020, 99, 151106.	1.6	20
29	STORM without enzymatic oxygen scavenging for correlative atomic force and fluorescence superresolution microscopy. <i>Methods and Applications in Fluorescence</i> , 2018, 6, 045002.	1.1	15
30	Crystal structure of the superconducting layered cobaltate $\text{Na}_x\text{CoO}_2 \cdot y\text{D}_2\text{O}$. <i>Journal of Physics Condensed Matter</i> , 2005, 17, 3293-3304.	0.7	14
31	Activation of Rac1 and RhoA Preserve Corneal Endothelial Barrier Function. , 2016, 57, 6210.		14
32	Sub-diffraction error mapping for localisation microscopy images. <i>Nature Communications</i> , 2021, 12, 5611.	5.8	14
33	The Use of Polyacrylamide Hydrogels to Study the Effects of Matrix Stiffness on Nuclear Envelope Properties. <i>Methods in Molecular Biology</i> , 2016, 1411, 233-239.	0.4	10
34	Investigation of podosome ring protein arrangement using localization microscopy images. <i>Methods</i> , 2017, 115, 9-16.	1.9	10
35	Super-Resolution Microscopy: SIM, STED and Localization Microscopy. <i>Fungal Biology</i> , 2015, , 47-60.	0.3	8
36	The RÃ©nyi divergence enables accurate and precise cluster analysis for localization microscopy. <i>Bioinformatics</i> , 2018, 34, 4102-4111.	1.8	5

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37	Fixed Pattern Noise in Localization Microscopy. ChemPhysChem, 2014, 15, 677-686.	1.0	4
38	Analysing errors in single-molecule localisation microscopy. International Journal of Biochemistry and Cell Biology, 2021, 134, 105931.	1.2	4
39	Recent high-magnetic-field experiments on the "High" cuprates; Fermi-surface instabilities as a driver for superconductivity. Physica B: Condensed Matter, 2009, 404, 350-353.	1.3	3
40	Transport properties of , a highly disordered charge" density wave system. Physica B: Condensed Matter, 2009, 404, 433-436.	1.3	3
41	Sliding charge-density waves in manganites. Nature Materials, 2010, 9, 689-689.	13.3	2
42	Accurate Extraction of Reciprocal Space Information from Transmission Electron Microscopy Images. Lecture Notes in Computer Science, 2006, , 373-382.	1.0	2
43	Accelerating localization microscopy. , 2014, , .		0
44	Coordinated RhoA signaling at the leading edge and uropod is required for T cell transendothelial migration. Journal of Experimental Medicine, 2010, 207, i25-i25.	4.2	0