

Susan Cox

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

45
papers

1,677
citations

21
h-index

40
g-index

51
ext. papers

2,044
ext. citations

8.7
avg, IF

4.62
L-index

#	Paper	IF	Citations
45	Bayesian localization microscopy reveals nanoscale podosome dynamics. <i>Nature Methods</i> , 2011 , 9, 195-200.	10.6	314
44	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, 7403-8	11.5	223
43	Cdc42 promotes transendothelial migration of cancer cells through β 1 integrin. <i>Journal of Cell Biology</i> , 2012 , 199, 653-68	7.3	123
42	Sliding charge-density wave in manganites. <i>Nature Materials</i> , 2008 , 7, 25-30	27	107
41	Coordinated RhoA signaling at the leading edge and uropod is required for T cell transendothelial migration. <i>Journal of Cell Biology</i> , 2010 , 190, 553-63	7.3	98
40	Strong H...F hydrogen bonds as synthons in polymeric quantum magnets: structural, magnetic, and theoretical characterization of [Cu(HF2)(pyrazine)2]SbF6, [Cu2F(HF)(HF2)(pyrazine)4](SbF6)2, and [CuAg(H3F4)(pyrazine)5](SbF6)2. <i>Journal of the American Chemical Society</i> , 2009 , 131, 6733-47	16.4	72
39	Cardiomyocytes Sense Matrix Rigidity through a Combination of Muscle and Non-muscle Myosin Contractions. <i>Developmental Cell</i> , 2018 , 44, 326-336.e3	10.2	68
38	Super-resolution imaging in live cells. <i>Developmental Biology</i> , 2015 , 401, 175-81	3.1	59
37	Artifact-free high-density localization microscopy analysis. <i>Nature Methods</i> , 2018 , 15, 689-692	21.6	59
36	Emergence of embryonic pattern through contact inhibition of locomotion. <i>Development (Cambridge)</i> , 2012 , 139, 4555-60	6.6	48
35	RhoB controls endothelial barrier recovery by inhibiting Rac1 trafficking to the cell border. <i>Journal of Cell Biology</i> , 2016 , 213, 385-402	7.3	45
34	Correlative super-resolution fluorescence and electron microscopy using conventional fluorescent proteins in vacuo. <i>Journal of Structural Biology</i> , 2017 , 199, 120-131	3.4	44
33	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.	10.4	44
32	Spatial segregation of polarity factors into distinct cortical clusters is required for cell polarity control. <i>Nature Communications</i> , 2013 , 4, 1834	17.4	36
31	Local dimensionality determines imaging speed in localization microscopy. <i>Nature Communications</i> , 2017 , 8, 13558	17.4	33
30	ImageJ plug-in for Bayesian analysis of blinking and bleaching. <i>Nature Methods</i> , 2013 , 10, 97-8	21.6	33
29	Monitoring epiready semiconductor wafers. <i>Thin Solid Films</i> , 2002 , 412, 76-83	2.2	27

28	Evidence for the charge-density-wave nature of the stripe phase in manganites. <i>Journal of Physics Condensed Matter</i> , 2007 , 19, 192201	1.8	25
27	Neuronal activity controls transsynaptic geometry. <i>Scientific Reports</i> , 2016 , 6, 22703	4.9	23
26	RhoC and ROCKs regulate cancer cell interactions with endothelial cells. <i>Molecular Oncology</i> , 2015 , 9, 1043-55	7.9	22
25	Imaging cells at the nanoscale. <i>International Journal of Biochemistry and Cell Biology</i> , 2013 , 45, 1669-78	5.6	21
24	Vinculin binding angle in podosomes revealed by high resolution microscopy. <i>PLoS ONE</i> , 2014 , 9, e88251	3.7	19
23	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	1.8	13
22	B cells extract antigens at Arp2/3-generated actin foci interspersed with linear filaments. <i>ELife</i> , 2019 , 8,	8.9	13
21	Lightsheet fluorescence lifetime imaging microscopy with wide-field time-correlated single photon counting. <i>Journal of Biophotonics</i> , 2020 , 13, e201960099	3.1	12
20	FMNL2 regulates dynamics of fascin in filopodia. <i>Journal of Cell Biology</i> , 2020 , 219,	7.3	11
19	Activation of Rac1 and RhoA Preserve Corneal Endothelial Barrier Function 2016 , 57, 6210-6222		10
18	STORM without enzymatic oxygen scavenging for correlative atomic force and fluorescence superresolution microscopy. <i>Methods and Applications in Fluorescence</i> , 2018 , 6, 045002	3.1	8
17	Combined AFM and super-resolution localisation microscopy: Investigating the structure and dynamics of podosomes. <i>European Journal of Cell Biology</i> , 2020 , 99, 151106	6.1	8
16	PAK4 Kinase Activity Plays a Crucial Role in the Podosome Ring of Myeloid Cells. <i>Cell Reports</i> , 2019 , 29, 3385-3393.e6	10.6	7
15	Investigation of podosome ring protein arrangement using localization microscopy images. <i>Methods</i> , 2017 , 115, 9-16	4.6	6
14	Super-Resolution Microscopy: SIM, STED and Localization Microscopy. <i>Fungal Biology</i> , 2015 , 47-60	2.3	6
13	SUN1/2 Are Essential for RhoA/ROCK-Regulated Actomyosin Activity in Isolated Vascular Smooth Muscle Cells. <i>Cells</i> , 2020 , 9,	7.9	5
12	The RByi divergence enables accurate and precise cluster analysis for localization microscopy. <i>Bioinformatics</i> , 2018 , 34, 4102-4111	7.2	4
11	Fixed pattern noise in localization microscopy. <i>ChemPhysChem</i> , 2014 , 15, 677-86	3.2	4

10	Recent high-magnetic-field experiments on the High T _c cuprates; Fermi-surface instabilities as a driver for superconductivity. <i>Physica B: Condensed Matter</i> , 2009 , 404, 350-353	2.8	3
9	Transport properties of La _{0.5} Ca _{0.5} MnO ₃ , a highly disordered charge-density wave system. <i>Physica B: Condensed Matter</i> , 2009 , 404, 433-436	2.8	3
8	The Use of Polyacrylamide Hydrogels to Study the Effects of Matrix Stiffness on Nuclear Envelope Properties. <i>Methods in Molecular Biology</i> , 2016 , 1411, 233-9	1.4	3
7	Sliding charge-density waves in manganites. <i>Nature Materials</i> , 2010 , 9, 689-689	27	2
6	Accurate Extraction of Reciprocal Space Information from Transmission Electron Microscopy Images. <i>Lecture Notes in Computer Science</i> , 2006 , 373-382	0.9	2
5	Analysing errors in single-molecule localisation microscopy. <i>International Journal of Biochemistry and Cell Biology</i> , 2021 , 134, 105931	5.6	1
4	Sub-diffraction error mapping for localisation microscopy images. <i>Nature Communications</i> , 2021 , 12, 5611	17.4	1
3	Accurate and precise measurement of cluster sizes in localisation microscopy images using the R̄yi divergence 2016 , 513-514		
2	Information in localisation microscopy 2016 , 696-670		
1	Coordinated RhoA signaling at the leading edge and uropod is required for T cell transendothelial migration. <i>Journal of Experimental Medicine</i> , 2010 , 207, i25-i25	16.6	