Sabine Elowe

List of Publications by Year
in descending order

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36	2,249	394421	414414
papers	citations	19 h-index	32 g-index

39	39	39	3164
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The Receptor Tyrosine Kinase EphB2 Regulates NMDA-Dependent Synaptic Function. Neuron, 2001, 32, 1041-1056.	8.1	297
2	Tension-sensitive Plk1 phosphorylation on BubR1 regulates the stability of kinetochoreâ€“microtubule interactions. Genes and Development, 2007, 21, 2205-2219.	5.9	271
3	A robust methodology to subclassify pseudokinases based on their nucleotide-binding properties. Biochemical Journal, 2014, 457, 323-334.	3.7	241
4	The Plk1-dependent Phosphoproteome of the Early Mitotic Spindle. Molecular and Cellular Proteomics, 2011, 10, M110.004457.	3.8	201
5	Nonsense-mediated decay microarray analysis identifies mutations of EPHB2 in human prostate cancer. Nature Genetics, 2004, 36, 979-983.	21.4	180
6	Downregulation of the Rasâ€“Mitogen-Activated Protein Kinase Pathway by the EphB2 Receptor Tyrosine Kinase Is Required for Ephrin-Induced Neurite Retraction. Molecular and Cellular Biology, 2001, 21, 7429-7441.	2.3	173
7	Playing polo during mitosis: PLK1 takes the lead. Oncogene, 2017, 36, 4819-4827.	5.9	140
8	Bub1 and BubR1: at the Interface between Chromosome Attachment and the Spindle Checkpoint. Molecular and Cellular Biology, 2011, 31, 3085-3093.	2.3	104
9	Uncoupling of the spindle-checkpoint and chromosome-congression functions of BubR1. Journal of Cell Science, 2010, 123, 84-94.	2.0	100
10	Quantitative Mass Spectrometry Analysis Reveals Similar Substrate Consensus Motif for Human Mps1 Kinase and Plk1. PLoS ONE, 2011, 6, e18793.	2.5	65
11	Manipulation of EphB2 Regulatory Motifs and SH2 Binding Sites Switches MAPK Signaling and Biological Activity. Journal of Biological Chemistry, 2003, 278, 6111-6119.	3.4	62
12	A Role for the Chaperone Complex BAG3-HSPB8 in Actin Dynamics, Spindle Orientation and Proper Chromosome Segregation during Mitosis. PLoS Genetics, 2015, 11, e1005582.	3.5	49
13	The dynamic protein Knl1 â€“ a kinetochore rendezvous. Journal of Cell Science, 2014, 127, 3415-23.	2.0	38
14	Recent Progress on the Localization of the Spindle Assembly Checkpoint Machinery to Kinetochores. Cells, 2019, 8, 278.	4.1	33
15	Characterization of Spindle Checkpoint Kinase Mps1 Reveals Domain with Functional and Structural Similarities to Tetratricopeptide Repeat Motifs of Bub1 and BubR1 Checkpoint Kinases. Journal of Biological Chemistry, 2012, 287, 5988-6001.	3.4	32
16	Bub1 autophosphorylation feeds back to regulate kinetochore docking and promote localized substrate phosphorylation. Nature Communications, 2015, 6, 8364.	12.8	30
17	Minimal catalytic domain of N-acetylglucosaminyltransferase V. Glycobiology, 2000, 10, 595-599.	2.5	29
18	Tissue transglutaminase clusters soluble A-type ephrins into functionally active high molecular weight oligomers. Experimental Cell Research, 2007, 313, 4170-4179.	2.6	27

#	Article	IF	Citations
19	Mitotic phosphotyrosine network analysis reveals that tyrosine phosphorylation regulates Polo-like kinase 1 (PLK1). Science Signaling, 2016, 9, rs14.	3.6	26
20	Sgo1 is a potential therapeutic target for hepatocellular carcinoma. Oncotarget, 2015, 6, 2023-2033.	1.8	26
21	Mps1 Phosphorylates Its N-Terminal Extension to Relieve Autoinhibition and Activate the Spindle Assembly Checkpoint. Current Biology, 2018, 28, 872-883.e5.	3.9	22
22	Proteomic Analysis of NCK1/2 Adaptors Uncovers Paralog-specific Interactions That Reveal a New Role for NCK2 in Cell Abscission During Cytokinesis. Molecular and Cellular Proteomics, 2018, 17, 1979-1990.	3.8	21
23	The Inhibitory Receptor CLEC12A Regulates PI3K-Akt Signaling to Inhibit Neutrophil Activation and Cytokine Release. Frontiers in Immunology, 2021, 12, 650808.	4.8	16
24	Uncovering the Molecular Machinery of the Human Spindleâ€"An Integration of Wet and Dry Systems Biology. PLoS ONE, 2012, 7, e31813.	2.5	14
25	BUBR1 Pseudokinase Domain Promotes Kinetochore PP2A-B56 Recruitment, Spindle Checkpoint Silencing, and Chromosome Alignment. Cell Reports, 2020, 33, 108397.	6.4	12
26	The spindle checkpoint proteins BUB1 and BUBR1: (SLiM)ming down to the basics. Trends in Biochemical Sciences, 2022, 47, 352-366.	7.5	12
27	EPH receptor tyrosine kinases phosphorylate the PAR-3 scaffold protein to modulate downstream signaling networks. Cell Reports, 2022, 40, 111031.	6.4	8
28	The Fanconi Anemia C Protein Binds to and Regulates Stathmin-1 Phosphorylation. PLoS ONE, 2015, 10, e0140612.	2.5	6
29	Tyr(less) kinase signaling during mitosis. Cell Cycle, 2017, 16, 746-748.	2.6	5
30	A type 2 diabetes disease module with a high collective influence for Cdk2 and PTPLAD1 is localized in endosomes. PLoS ONE, 2018, 13, e0205180.	2.5	5
31	ZNF768: controlling cellular senescence and proliferation with ten fingers. Molecular and Cellular Oncology, 2021, 8, 1985930.	0.7	2
32	Adventures of the undead at kinetochores. Molecular and Cellular Oncology, 2021, 8, 1876511.	0.7	1
33	Editorial: Novel Insights Into the Multifaceted Mitotic Kinases. Frontiers in Cell and Developmental Biology, 2019, 7, 51.	3.7	0
34	Moonlighting at the Centrosome: RXRÎ± Turns to Plk1. Developmental Cell, 2020, 55, 672-674.	7.0	0
35	Considerations for studying phosphorylation of the mitotic checkpoint pseudokinase BUBR1. Methods in Enzymology, 2022, 667, 507-534.	1.0	0
36	A commercial ARHGEF17/TEM4 antibody cross-reacts with Nuclear Mitotic Apparatus protein 1 (NuMA). PLoS ONE, 2022, 17, e0268848.	2.5	0