Sima Lev

List of Publications by Year
in descending order

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Version: 2024-02-01

46	3,752	172457	223800
papers	citations	29 h-index	46 g-index

47	47	47	5218
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	RNA interference screen for human genes associated with West Nile virus infection. Nature, 2008, 455, 242-245.	27.8	471
2	Non-vesicular lipid transport by lipid-transfer proteins and beyond. Nature Reviews Molecular Cell Biology, 2010, 11, 739-750.	37.0	293
3	Coordinated Lipid Transfer between the Endoplasmic Reticulum and the Golgi Complex Requires the VAP Proteins and Is Essential for Golgi-mediated Transport. Molecular Biology of the Cell, 2008, 19, 3871-3884.	2.1	276
4	Tethering the assembly of SNARE complexes. Trends in Cell Biology, 2014, 24, 35-43.	7.9	252
5	The VAP protein family: from cellular functions to motor neuron disease. Trends in Cell Biology, 2008, 18, 282-290.	7.9	200
6	Sprouty Fine-Tunes EGF Signaling through Interlinked Positive and Negative Feedback Loops. Current Biology, 2003, 13, 297-307.	3.9	171
7	Differential Regulation of Endoplasmic Reticulum Structure through VAP-Nir Protein Interaction. Journal of Biological Chemistry, 2005, 280, 5934-5944.	3.4	168
8	Maintenance of the diacylglycerol level in the Golgi apparatus by the Nir2 protein is critical for Golgi secretory function. Nature Cell Biology, 2005, 7, 225-234.	10.3	154
9	MicroRNA-182 targets SMAD7 to potentiate TGFÎ²-induced epithelial-mesenchymal transition and metastasis of cancer cells. Nature Communications, 2016, 7, 13884.	12.8	112
10	The phosphatidylinositolâ€transfer protein Nir2 binds phosphatidic acid and positively regulates phosphoinositide signalling. EMBO Reports, 2013, 14, 891-899.	4.5	111
11	The COG complex interacts directly with Syntaxin 6 and positively regulates endosome-to-TGN retrograde transport. Journal of Cell Biology, 2011, 194, 459-472.	5.2	95
12	Nonvesicular Lipid Transfer from the Endoplasmic Reticulum. Cold Spring Harbor Perspectives in Biology, 2012, 4, a013300-a013300.	5.5	92
13	Direct interaction between the COG complex and the SM protein, Sly1, is required for Golgi SNARE pairing. EMBO Journal, 2009, 28, 2006-2017.	7.8	87
14	Synthetic lethal combination targeting BET uncovered intrinsic susceptibility of TNBC to ferroptosis. Science Advances, 2020, 6, .	10.3	85
15	Mitotic Phosphorylation of the Peripheral Golgi Protein Nir2 by Cdk1 Provides a Docking Mechanism for Plk1 and Affects Cytokinesis Completion. Molecular Cell, 2004, 14, 319-330.	9.7	82
16	Targeted therapy and drug resistance in triple-negative breast cancer: the EGFR axis. Biochemical Society Transactions, 2020, 48, 657-665.	3.4	80
17	Targeting of PYK2 to Focal Adhesions as a Cellular Mechanism for Convergence between Integrins and G Protein-coupled Receptor Signaling Cascades. Journal of Biological Chemistry, 2000, 275, 32736-32746.	3.4	77
18	A disaccharide derived from chondroitin sulphate proteoglycan promotes central nervous system repair in rats and mice+. European Journal of Neuroscience, 2004, 20, 1973-1983.	2.6	67

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19	Structural Requirements for VAP-B Oligomerization and Their Implication in Amyotrophic Lateral Sclerosis-associated VAP-B(P56S) Neurotoxicity. Journal of Biological Chemistry, 2010, 285, 13839-13849.	3.4	65
20	PYK2 sustains endosomal-derived receptor signalling and enhances epithelial-to-mesenchymal transition. Nature Communications, 2015, 6, 6064.	12.8	64
21	Targeting of PYK2 Synergizes with EGFR Antagonists in Basal-like TNBC and Circumvents HER3-Associated Resistance via the NEDD4â€“NDRG1 Axis. Cancer Research, 2017, 77, 86-99.	0.9	63
22	Proteomic analysis of circulating extracellular vesicles identifies potential markers of breast cancer progression, recurrence, and response. Science Advances, 2020, 6, .	10.3	58
23	The role of the Nir/rdgB protein family in membrane trafficking and cytoskeleton remodeling. Experimental Cell Research, 2004, 297, 1-10.	2.6	54
24	Targeting of Nir2 to Lipid Droplets Is Regulated by a Specific Threonine Residue within Its PI-Transfer Domain. Current Biology, 2002, 12, 1513-1518.	3.9	53
25	The COG complex interacts with multiple Golgi SNAREs and enhances fusogenic SNARE complexes assembly. Journal of Cell Science, 2013, 126, 1506-16.	2.0	46
26	Depolarization Activates ERK and Proline-rich Tyrosine Kinase 2 (PYK2) Independently in Different Cellular Compartments in Hippocampal Slices. Journal of Biological Chemistry, 2005, 280, 660-668.	3.4	42
27	Nir2, a Human Homolog of Drosophila melanogaster Retinal Degeneration B Protein, Is Essential for Cytokinesis. Molecular and Cellular Biology, 2002, 22, 5064-5075.	2.3	41
28	Lipid Transfer Proteins and Membrane Contact Sites in Human Cancer. Frontiers in Cell and Developmental Biology, 2019, 7, 371.	3.7	33
29	The lipid-transfer protein Nir2 enhances epithelial-mesenchymal transition and facilitates breast cancer metastasis. Journal of Cell Science, 2014, 127, 4740-9.	2.0	32
30	Molecular aspects of retinal degenerative diseases. Cellular and Molecular Neurobiology, 2001, 21, 575-589.	3.3	29
31	Lipid homoeostasis and Golgi secretory function. Biochemical Society Transactions, 2006, 34, 363-366.	3.4	29
32	PYK2 integrates growth factor and cytokine receptors signaling and potentiates breast cancer invasion via a positive feedback loop. Oncotarget, 2015, 6, 22214-22226.	1.8	29
33	VAMP-Associated Protein B (VAPB) Promotes Breast Tumor Growth by Modulation of Akt Activity. PLoS ONE, 2012, 7, e46281.	2.5	28
34	PYK2 negatively regulates the Hippo pathway in TNBC by stabilizing TAZ protein. Cell Death and Disease, 2018, 9, 985.	6.3	26
35	Systems modelling of the EGFR-PYK2-c-Met interaction network predicts and prioritizes synergistic drug combinations for triple-negative breast cancer. PLoS Computational Biology, 2018, 14, e1006192.	3.2	26
36	Deficiency of the Cog8 Subunit in Normal and <scp>CDG</scp>â€Derived Cells Impairs the Assembly of the <scp>COG</scp> and Golgi <scp>SNARE</scp> Complexes. Traffic, 2013, 14, 1065-1077.	2.7	23

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37	Targeting of apoptotic pathways by SMAC or BH3 mimetics distinctly sensitizes paclitaxel-resistant triple negative breast cancer cells. Oncotarget, 2017, 8, 45088-45104.	1.8	22
38	The Animal Lectin Galectin-8 Promotes Cytokine Expression and Metastatic Tumor Growth in Mice. Scientific Reports, 2020, 10, 7375.	3.3	20
39	Nir2, a Novel Regulator of Cell Morphogenesis. Molecular and Cellular Biology, 2002, 22, 2650-2662.	2.3	19
40	The role of phosphatidylinositol-transfer proteins at membrane contact sites. Biochemical Society Transactions, 2016, 44, 419-424.	3.4	19
41	Modeling Heterogeneity of Tripleâ€Negative Breast Cancer Uncovers a Novel Combinatorial Treatment Overcoming Primary Drug Resistance. Advanced Science, 2021, 8, 2003049.	11.2	15
42	Mouse Modeling Dissecting Macrophageâ€“Breast Cancer Communication Uncovered Roles of PYK2 in Macrophage Recruitment and Breast Tumorigenesis. Advanced Science, 2022, 9, e2105696.	11.2	14
43	Nucleoporin-93 reveals a common feature of aggressive breast cancers: robust nucleocytoplasmic transport of transcription factors. Cell Reports, 2022, 38, 110418.	6.4	12
44	The AXL-PYK2-PKCÎ± axis as a nexus of stemness circuits in TNBC. Life Science Alliance, 2021, 4, e202000985.	2.8	7
45	Accelerating AXL targeting for TNBC therapy. International Journal of Biochemistry and Cell Biology, 2021, 139, 106057.	2.8	5
46	Mammalian PITPs at the Golgi and ER-Golgi Membrane Contact Sites. Contact (Thousand Oaks (Ventura) Tj ETQq0 0 0 rgBT /Overlock 1	1.3	3