

Elias T Spiliotis

List of Publications by Year in descending order

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43
papers

3,278
citations

186265

28
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265206

42
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86
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86
docs citations

86
times ranked

3195
citing authors

#	ARTICLE	IF	CITATIONS
1	A Septin Diffusion Barrier at the Base of the Primary Cilium Maintains Ciliary Membrane Protein Distribution. <i>Science</i> , 2010, 329, 436-439.	12.6	439
2	A Mitotic Septin Scaffold Required for Mammalian Chromosome Congression and Segregation. <i>Science</i> , 2005, 307, 1781-1785.	12.6	241
3	Here come the septins: novel polymers that coordinate intracellular functions and organization. <i>Journal of Cell Science</i> , 2006, 119, 4-10.	2.0	179
4	Epithelial polarity requires septin coupling of vesicle transport to polyglutamylated microtubules. <i>Journal of Cell Biology</i> , 2008, 180, 295-303.	5.2	149
5	Septin functions in organ system physiology and pathology. <i>Biological Chemistry</i> , 2014, 395, 123-141.	2.5	144
6	Septin-Driven Coordination of Actin and Microtubule Remodeling Regulates the Collateral Branching of Axons. <i>Current Biology</i> , 2012, 22, 1109-1115.	3.9	135
7	Septin GTPases spatially guide microtubule organization and plus end dynamics in polarizing epithelia. <i>Journal of Cell Biology</i> , 2011, 194, 187-197.	5.2	125
8	Lateral Diffusion of GFP-Tagged H2Ld Molecules and of GFP-TAP1 Reports on the Assembly and Retention of These Molecules in the Endoplasmic Reticulum. <i>Immunity</i> , 1999, 11, 231-240.	14.3	116
9	Selective Export of MHC Class I Molecules from the ER after Their Dissociation from TAP. <i>Immunity</i> , 2000, 13, 841-851.	14.3	114
10	Septins promote stress fiber-mediated maturation of focal adhesions and renal epithelial motility. <i>Journal of Cell Biology</i> , 2014, 207, 225-235.	5.2	114
11	Septin filaments exhibit a dynamic, paired organization that is conserved from yeast to mammals. <i>Journal of Cell Biology</i> , 2011, 193, 1065-1081.	5.2	108
12	Forchlorfenuron Alters Mammalian Septin Assembly, Organization, and Dynamics. <i>Journal of Biological Chemistry</i> , 2008, 283, 29563-29571.	3.4	106
13	Novel septin 9 repeat motifs altered in neuralgic amyotrophy bind and bundle microtubules. <i>Journal of Cell Biology</i> , 2013, 203, 895-905.	5.2	100
14	Spatial effects of site-specific regulation of actin and microtubule organization by septin GTPases. <i>Journal of Cell Science</i> , 2018, 131, .	2.0	96
15	Wdpcp, a PCP Protein Required for Ciliogenesis, Regulates Directional Cell Migration and Cell Polarity by Direct Modulation of the Actin Cytoskeleton. <i>PLoS Biology</i> , 2013, 11, e1001720.	5.6	87
16	Cellular functions of actin- and microtubule-associated septins. <i>Current Biology</i> , 2021, 31, R651-R666.	3.9	82
17	Septin 9 Exhibits Polymorphic Binding to F-Actin and Inhibits Myosin and Cofilin Activity. <i>Journal of Molecular Biology</i> , 2015, 427, 3273-3284.	4.2	74
18	Spatial Guidance of Cell Asymmetry: Septin GTPases Show the Way. <i>Traffic</i> , 2012, 13, 195-203.	2.7	69

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19	Septin Mutations in Human Cancers. <i>Frontiers in Cell and Developmental Biology</i> , 2016, 4, 122.	3.7	65
20	Polarity of Neuronal Membrane Traffic Requires Sorting of Kinesin Motor Cargo during Entry into Dendrites by a Microtubule-Associated Septin. <i>Developmental Cell</i> , 2018, 46, 204-218.e7.	7.0	65
21	Septins Recognize and Entrap Dividing Bacterial Cells for Delivery to Lysosomes. <i>Cell Host and Microbe</i> , 2018, 24, 866-874.e4.	11.0	62
22	Septins promote macropinosome maturation and traffic to the lysosome by facilitating membrane fusion. <i>Journal of Cell Biology</i> , 2016, 214, 517-527.	5.2	60
23	Biosynthesis of Di- <i>myo</i> -Inositol-1,1-Phosphate, a Novel Osmolyte in Hyperthermophilic Archaea. <i>Journal of Bacteriology</i> , 1998, 180, 3785-3792.	2.2	56
24	Rab14 Regulates Apical Targeting in Polarized Epithelial Cells. <i>Traffic</i> , 2008, 9, 1218-1231.	2.7	53
25	A Septin Double Ring Controls the Spatiotemporal Organization of the ESCRT Machinery in Cytokinetic Abscission. <i>Current Biology</i> , 2019, 29, 2174-2182.e7.	3.9	53
26	Regulation of microtubule organization and functions by septin GTPases. <i>Cytoskeleton</i> , 2010, 67, 339-345.	2.0	43
27	Septin 9 interacts with kinesin KIF17 and interferes with the mechanism of NMDA receptor cargo binding and transport. <i>Molecular Biology of the Cell</i> , 2016, 27, 897-906.	2.1	34
28	Masters of asymmetry – lessons and perspectives from 50 years of septins. <i>Molecular Biology of the Cell</i> , 2020, 31, 2289-2297.	2.1	33
29	Spatial control of exocytosis. <i>Current Opinion in Cell Biology</i> , 2003, 15, 430-437.	5.4	31
30	Regulation of microtubule plus end dynamics by septin 9. <i>Cytoskeleton</i> , 2019, 76, 83-91.	2.0	31
31	In Silico Docking of Forchlorfenuron (FCF) to Septins Suggests that FCF Interferes with GTP Binding. <i>PLoS ONE</i> , 2014, 9, e96390.	2.5	31
32	Cutting Edge: Tapasin Is Retained in the Endoplasmic Reticulum by Dynamic Clustering and Exclusion from Endoplasmic Reticulum Exit Sites. <i>Journal of Immunology</i> , 2002, 168, 1538-1541.	0.8	27
33	A septin GTPase scaffold of dynein – dynactin motors triggers retrograde lysosome transport. <i>Journal of Cell Biology</i> , 2021, 220, .	5.2	27
34	Septin 2/6/7 complexes tune microtubule plus-end growth and EB1 binding in a concentration- and filament-dependent manner. <i>Molecular Biology of the Cell</i> , 2019, 30, 2913-2928.	2.1	26
35	Production and analysis of a mammalian septin hetero-octamer complex. <i>Cytoskeleton</i> , 2020, 77, 485-499.	2.0	23
36	Spatial control of membrane traffic in neuronal dendrites. <i>Molecular and Cellular Neurosciences</i> , 2020, 105, 103492.	2.2	21

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37	Spatial regulation of microtubule-dependent transport by septin GTPases. <i>Trends in Cell Biology</i> , 2021, 31, 979-993.	7.9	15
38	Proteomic profiling of the oncogenic septin 9 reveals isoform-specific interactions in breast cancer cells. <i>Proteomics</i> , 2021, 21, e2100155.	2.2	13
39	Right place, right time - Spatial guidance of neuronal morphogenesis by septin GTPases. <i>Current Opinion in Neurobiology</i> , 2022, 75, 102557.	4.2	11
40	Septins guide noncentrosomal microtubules to promote focal adhesion disassembly in migrating cells. <i>Molecular Biology of the Cell</i> , 2022, 33, mbcE21060334.	2.1	5
41	Priming for destruction: septins at the crossroads of mitochondrial fission and bacterial autophagy. <i>EMBO Reports</i> , 2016, 17, 935-937.	4.5	1
42	A Septin Double Ring Controls the Spatiotemporal Organization of the ESCRT Machinery in Cytokinetic Abscission. <i>SSRN Electronic Journal</i> , 0, , .	0.4	1
43	Elias Spiliotis: Septins set it up. <i>Journal of Cell Biology</i> , 2015, 210, 524-525.	5.2	0