

# Elias T Spiliotis

## List of Publications by Year in descending order

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43  
papers

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186265

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86  
docs citations

86  
times ranked

3195  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Right place, right time - Spatial guidance of neuronal morphogenesis by septin GTPases. <i>Current Opinion in Neurobiology</i> , 2022, 75, 102557.	4.2	11
3	A septin GTPase scaffold of dyneinâ€“dynactin motors triggers retrograde lysosome transport. <i>Journal of Cell Biology</i> , 2021, 220, .	5.2	27
4	Cellular functions of actin- and microtubule-associated septins. <i>Current Biology</i> , 2021, 31, R651-R666.	3.9	82
5	Spatial regulation of microtubule-dependent transport by septin GTPases. <i>Trends in Cell Biology</i> , 2021, 31, 979-993.	7.9	15
6	Proteomic profiling of the oncogenic septin 9 reveals isoformâ€“specific interactions in breast cancer cells. <i>Proteomics</i> , 2021, 21, e2100155.	2.2	13
7	Production and analysis of a mammalian septin heteroâ€“octamer complex. <i>Cytoskeleton</i> , 2020, 77, 485-499.	2.0	23
8	Spatial control of membrane traffic in neuronal dendrites. <i>Molecular and Cellular Neurosciences</i> , 2020, 105, 103492.	2.2	21
9	Masters of asymmetry â€“ lessons and perspectives from 50 years of septins. <i>Molecular Biology of the Cell</i> , 2020, 31, 2289-2297.	2.1	33
10	Regulation of microtubule plus end dynamics by septin 9. <i>Cytoskeleton</i> , 2019, 76, 83-91.	2.0	31
11	A Septin Double Ring Controls the Spatiotemporal Organization of the ESCRT Machinery in Cytokinetic Abcission. <i>Current Biology</i> , 2019, 29, 2174-2182.e7.	3.9	53
12	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
13	Spatial effectsâ€“site-specific regulation of actin and microtubule organization by septin GTPases. <i>Journal of Cell Science</i> , 2018, 131, .	2.0	96
14	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
15	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
16	Septin Mutations in Human Cancers. <i>Frontiers in Cell and Developmental Biology</i> , 2016, 4, 122.	3.7	65
17	Priming for destruction: septins at the crossroads of mitochondrial fission and bacterial autophagy. <i>EMBO Reports</i> , 2016, 17, 935-937.	4.5	1
18	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

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19	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
20	Elias Spiliotis: Septins set it up. <i>Journal of Cell Biology</i> , 2015, 210, 524-525.	5.2	0
21	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
22	Septin functions in organ system physiology and pathology. <i>Biological Chemistry</i> , 2014, 395, 123-141.	2.5	144
23	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
24	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
25	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
26	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
27	Spatial Guidance of Cell Asymmetry: Septin GTPases Show the Way. <i>Traffic</i> , 2012, 13, 195-203.	2.7	69
28	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
29	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
30	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
31	Regulation of microtubule organization and functions by septin GTPases. <i>Cytoskeleton</i> , 2010, 67, 339-345.	2.0	43
32	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
33	Rab14 Regulates Apical Targeting in Polarized Epithelial Cells. <i>Traffic</i> , 2008, 9, 1218-1231.	2.7	53
34	Forchlorfenuron Alters Mammalian Septin Assembly, Organization, and Dynamics. <i>Journal of Biological Chemistry</i> , 2008, 283, 29563-29571.	3.4	106
35	Epithelial polarity requires septin coupling of vesicle transport to polyglutamylated microtubules. <i>Journal of Cell Biology</i> , 2008, 180, 295-303.	5.2	149
36	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

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37	A Mitotic Septin Scaffold Required for Mammalian Chromosome Congression and Segregation. <i>Science</i> , 2005, 307, 1781-1785.	12.6	241
38	Spatial control of exocytosis. <i>Current Opinion in Cell Biology</i> , 2003, 15, 430-437.	5.4	31
39	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
40	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
41	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
42	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
43	A Septin Double Ring Controls the Spatiotemporal Organization of the ESCRT Machinery in Cytokinetic Abscission. <i>SSRN Electronic Journal</i> , 0, , .	0.4	1