

# Patricia T Yam

## List of Publications by Year in descending order

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Version: 2024-02-01

25  
papers

1,951  
citations

430442

18  
h-index

642321

23  
g-index

25  
all docs

25  
docs citations

25  
times ranked

2834  
citing authors

#	ARTICLE	IF	CITATIONS
1	Myosin II contributes to cell-scale actin network treadmilling through network disassembly. <i>Nature</i> , 2010, 465, 373-377.	13.7	343
2	Actin-Myosin network reorganization breaks symmetry at the cell rear to spontaneously initiate polarized cell motility. <i>Journal of Cell Biology</i> , 2007, 178, 1207-1221.	2.3	248
3	Sonic Hedgehog Guides Axons through a Noncanonical, Src-Family-Kinase-Dependent Signaling Pathway. <i>Neuron</i> , 2009, 62, 349-362.	3.8	247
4	Disulfide exchange in domain 2 of CD4 is required for entry of HIV-1. <i>Nature Immunology</i> , 2002, 3, 727-732.	7.0	177
5	Intracellular fluid flow in rapidly moving cells. <i>Nature Cell Biology</i> , 2009, 11, 1219-1224.	4.6	156
6	Presence of closely spaced protein thiols on the surface of mammalian cells. <i>Protein Science</i> , 2000, 9, 2436-2445.	3.1	110
7	Signaling mechanisms of non-conventional axon guidance cues: the Shh, BMP and Wnt morphogens. <i>Current Opinion in Neurobiology</i> , 2013, 23, 965-973.	2.0	96
8	14-3-3 Proteins Regulate a Cell-Intrinsic Switch from Sonic Hedgehog-Mediated Commissural Axon Attraction to Repulsion after Midline Crossing. <i>Neuron</i> , 2012, 76, 735-749.	3.8	86
9	Integration of Shallow Gradients of Shh and Netrin-1 Guides Commissural Axons. <i>PLoS Biology</i> , 2015, 13, e1002119.	2.6	65
10	Long-Range Guidance of Spinal Commissural Axons by Netrin1 and Sonic Hedgehog from Midline Floor Plate Cells. <i>Neuron</i> , 2019, 101, 635-647.e4.	3.8	65
11	Sonic Hedgehog Guides Axons via Zipcode Binding Protein 1-Mediated Local Translation. <i>Journal of Neuroscience</i> , 2017, 37, 1685-1695.	1.7	49
12	Repeated Cycles of Rapid Actin Assembly and Disassembly on Epithelial Cell Phagosomes. <i>Molecular Biology of the Cell</i> , 2004, 15, 5647-5658.	0.9	48
13	14-3-3 Proteins Regulate Protein Kinase A Activity to Modulate Growth Cone Turning Responses. <i>Journal of Neuroscience</i> , 2010, 30, 14059-14067.	1.7	48
14	The Ciliary Protein Arl13b Functions Outside of the Primary Cilium in Shh-Mediated Axon Guidance. <i>Cell Reports</i> , 2019, 29, 3356-3366.e3.	2.9	38
15	Polarized Dock Activity Drives Shh-Mediated Axon Guidance. <i>Developmental Cell</i> , 2018, 46, 410-425.e7.	3.1	32
16	Cellular Functions of the Autism Risk Factor PTCHD1 in Mice. <i>Journal of Neuroscience</i> , 2017, 37, 11993-12005.	1.7	29
17	Boc Acts via Numb as a Shh-Dependent Endocytic Platform for Ptch1 Internalization and Shh-Mediated Axon Guidance. <i>Neuron</i> , 2019, 102, 1157-1171.e5.	3.8	29
18	Dissection and Culture of Commissural Neurons from Embryonic Spinal Cord. <i>Journal of Visualized Experiments</i> , 2010, , .	0.2	22

#	ARTICLE	IF	CITATIONS
19	N-Cadherin Relocalizes from the Periphery to the Center of the Synapse after Transient Synaptic Stimulation in Hippocampal Neurons. <i>PLoS ONE</i> , 2013, 8, e79679.	1.1	21
20	Distinctive PSA-NCAM and NCAM Hallmarks in Glutamate-Induced Dendritic Atrophy and Synaptic Disassembly. <i>PLoS ONE</i> , 2014, 9, e108921.	1.1	18
21	Cellular response to micropatterned growth promoting and inhibitory substrates. <i>BMC Biotechnology</i> , 2013, 13, 86.	1.7	14
22	Label-Free Visualization of Ultrastructural Features of Artificial Synapses via Cryo-EM. <i>ACS Chemical Neuroscience</i> , 2011, 2, 700-704.	1.7	5
23	Isolation of Functional Presynaptic Complexes from CNS Neurons: A Cell-Free Preparation for the Study of Presynaptic Compartments <i>In Vitro</i> . <i>ACS Chemical Neuroscience</i> , 2010, 1, 535-541.	1.7	3
24	Nonconventional axon guidance cues: Hedgehog, TGF- $\beta$ /BMP, and Wnts in axon guidance. , 2020, , 175-199.		2
25	Lipid Membrane Domains Promote In-Vitro Presynapse Formation. <i>Biophysical Journal</i> , 2011, 100, 507a.	0.2	0