Richard J Mckenney

List of Publications by Year
in descending order

22	1,778	567281 15	677142 22
papers	citations	h-index	g-index

33	33	33	1829
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Activation of cytoplasmic dynein motility by dynactin-cargo adapter complexes. Science, 2014, 345, 337-341.	12.6	509
2	Tyrosination of Î±â€tubulin controls the initiation of processive dyneinâ€“dynactin motility. EMBO Journal, 2016, 35, 1175-1185.	7.8	173
3	Multiple modes of cytoplasmic dynein regulation. Nature Cell Biology, 2012, 14, 224-230.	10.3	158
4	Microtubules gate tau condensation to spatially regulate microtubule functions. Nature Cell Biology, 2019, 21, 1078-1085.	10.3	147
5	Cryo-electron tomography reveals that dynactin recruits a team of dyneins for processive motility. Nature Structural and Molecular Biology, 2018, 25, 203-207.	8.2	122
6	A Combinatorial MAP Code Dictates Polarized Microtubule Transport. Developmental Cell, 2020, 53, 60-72.e4.	7.0	106
7	Disease-associated mutations hyperactivate KIF1A motility and anterograde axonal transport of synaptic vesicle precursors. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 18429-18434.	7.1	89
8	Phosphorylation of Î²-Tubulin by the Down Syndrome Kinase, Minibrain/DYRK1a, Regulates Microtubule Dynamics and Dendrite Morphogenesis. Neuron, 2016, 90, 551-563.	8.1	75
9	Differential effects of the dynein-regulatory factor Lissencephaly-1 on processive dynein-dynactin motility. Journal of Biological Chemistry, 2017, 292, 12245-12255.	3.4	67
10	Polarity of Neuronal Membrane Traffic Requires Sorting of Kinesin Motor Cargo during Entry into Dendrites by a Microtubule-Associated Septin. Developmental Cell, 2018, 46, 204-218.e7.	7.0	65
11	Cooperative Accumulation of Dynein-Dynactin at Microtubule Minus-Ends Drives Microtubule Network Reorganization. Developmental Cell, 2018, 44, 233-247.e4.	7.0	62
12	New insights into the mechanism of dynein motor regulation by lissencephaly-1. ELife, 2020, 9, .	6.0	52
13	The kinesin-5 tail domain directly modulates the mechanochemical cycle of the motor domain for anti-parallel microtubule sliding. ELife, 2020, 9, .	6.0	40
14	A highly conserved 3 ₁₀ helix within the kinesin motor domain is critical for kinesin function and human health. Science Advances, 2021, 7, .	10.3	31
15	Cdt1 stabilizes kinetochoreâ€“microtubule attachments via an Aurora B kinaseâ€“dependent mechanism. Journal of Cell Biology, 2018, 217, 3446-3463.	5.2	21
16	Antagonism between the dynein and Ndc80 complexes at kinetochores controls the stability of kinetochoreâ€“microtubule attachments during mitosis. Journal of Biological Chemistry, 2018, 293, 5755-5765.	3.4	20
17	Tau repeat regions contain conserved histidine residues that modulate microtubule-binding in response to changes in pH. Journal of Biological Chemistry, 2019, 294, 8779-8790.	3.4	12
18	Absence of SCAPER causes male infertility in humans andDrosophilaby modulating microtubule dynamics during meiosis. Journal of Medical Genetics, 2021, 58, 254-263.	3.2	7

#	Article	IF	Citations
19	Magnetic Cytoskeleton Affinity Purification of Microtubule Motors Conjugated to Quantum Dots. Bioconjugate Chemistry, 2018, 29, 2278-2286.	3.6	6
20	LIS1 cracks open dynein. Nature Cell Biology, 2020, 22, 515-517.	10.3	5
21	In Vitro and In Vivo Approaches to Study Kinetochore-Microtubule Attachments During Mitosis. Methods in Molecular Biology, 2022, 2415, 123-138.	0.9	3
22	The tail wags the motor. Nature Chemical Biology, 2019, 15, 1033-1034.	8.0	0