

Richard J Mckenney

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

1,778
citations

567281

15
h-index

677142

22
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33
all docs

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docs citations

33
times ranked

1829
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | In Vitro and In Vivo Approaches to Study Kinetochore-Microtubule Attachments During Mitosis. <i>Methods in Molecular Biology</i> , 2022, 2415, 123-138. | 0.9 | 3 |
| 2 | Absence of SCAPER causes male infertility in humans and <i>Drosophila</i> by modulating microtubule dynamics during meiosis. <i>Journal of Medical Genetics</i> , 2021, 58, 254-263. | 3.2 | 7 |
| 3 | A highly conserved 3 ¹⁰ helix within the kinesin motor domain is critical for kinesin function and human health. <i>Science Advances</i> , 2021, 7, . | 10.3 | 31 |
| 4 | LIS1 cracks open dynein. <i>Nature Cell Biology</i> , 2020, 22, 515-517. | 10.3 | 5 |
| 5 | A Combinatorial MAP Code Dictates Polarized Microtubule Transport. <i>Developmental Cell</i> , 2020, 53, 60-72.e4. | 7.0 | 106 |
| 6 | The kinesin-5 tail domain directly modulates the mechanochemical cycle of the motor domain for anti-parallel microtubule sliding. <i>ELife</i> , 2020, 9, . | 6.0 | 40 |
| 7 | New insights into the mechanism of dynein motor regulation by lissencephaly-1. <i>ELife</i> , 2020, 9, . | 6.0 | 52 |
| 8 | Disease-associated mutations hyperactivate KIF1A motility and anterograde axonal transport of synaptic vesicle precursors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 18429-18434. | 7.1 | 89 |
| 9 | Microtubules gate tau condensation to spatially regulate microtubule functions. <i>Nature Cell Biology</i> , 2019, 21, 1078-1085. | 10.3 | 147 |
| 10 | The tail wags the motor. <i>Nature Chemical Biology</i> , 2019, 15, 1033-1034. | 8.0 | 0 |
| 11 | Tau repeat regions contain conserved histidine residues that modulate microtubule-binding in response to changes in pH. <i>Journal of Biological Chemistry</i> , 2019, 294, 8779-8790. | 3.4 | 12 |
| 12 | Antagonism between the dynein and Ndc80 complexes at kinetochores controls the stability of kinetochore-microtubule attachments during mitosis. <i>Journal of Biological Chemistry</i> , 2018, 293, 5755-5765. | 3.4 | 20 |
| 13 | Cooperative Accumulation of Dynein-Dynactin at Microtubule Minus-Ends Drives Microtubule Network Reorganization. <i>Developmental Cell</i> , 2018, 44, 233-247.e4. | 7.0 | 62 |
| 14 | Cryo-electron tomography reveals that dynactin recruits a team of dyneins for processive motility. <i>Nature Structural and Molecular Biology</i> , 2018, 25, 203-207. | 8.2 | 122 |
| 15 | Magnetic Cytoskeleton Affinity Purification of Microtubule Motors Conjugated to Quantum Dots. <i>Bioconjugate Chemistry</i> , 2018, 29, 2278-2286. | 3.6 | 6 |
| 16 | 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 |
| 17 | Cdt1 stabilizes kinetochore-microtubule attachments via an Aurora B kinase-dependent mechanism. <i>Journal of Cell Biology</i> , 2018, 217, 3446-3463. | 5.2 | 21 |
| 18 | Differential effects of the dynein-regulatory factor Lissencephaly-1 on processive dynein-dynactin motility. <i>Journal of Biological Chemistry</i> , 2017, 292, 12245-12255. | 3.4 | 67 |

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|----|--|------|-----------|
| 19 | Tyrosination of β -tubulin controls the initiation of processive dynein-dynactin motility. EMBO Journal, 2016, 35, 1175-1185. | 7.8 | 173 |
| 20 | Phosphorylation of β -Tubulin by the Down Syndrome Kinase, Minibrain/DYRK1a, Regulates Microtubule Dynamics and Dendrite Morphogenesis. Neuron, 2016, 90, 551-563. | 8.1 | 75 |
| 21 | Activation of cytoplasmic dynein motility by dynactin-cargo adapter complexes. Science, 2014, 345, 337-341. | 12.6 | 509 |
| 22 | Multiple modes of cytoplasmic dynein regulation. Nature Cell Biology, 2012, 14, 224-230. | 10.3 | 158 |