

# Anthony A Hyman

## List of Publications by Year in descending order

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225  
papers

50,751  
citations

1094

112  
h-index

1928

207  
g-index

240  
all docs

240  
docs citations

240  
times ranked

36977  
citing authors

#	ARTICLE	IF	CITATIONS
1	Biomolecular condensates: organizers of cellular biochemistry. <i>Nature Reviews Molecular Cell Biology</i> , 2017, 18, 285-298.	16.1	3,771
2	Germline P Granules Are Liquid Droplets That Localize by Controlled Dissolution/Condensation. <i>Science</i> , 2009, 324, 1729-1732.	6.0	2,267
3	Liquid-Liquid Phase Separation in Biology. <i>Annual Review of Cell and Developmental Biology</i> , 2014, 30, 39-58.	4.0	2,234
4	A Liquid-to-Solid Phase Transition of the ALS Protein FUS Accelerated by Disease Mutation. <i>Cell</i> , 2015, 162, 1066-1077.	13.5	2,182
5	A Molecular Grammar Governing the Driving Forces for Phase Separation of Prion-like RNA Binding Proteins. <i>Cell</i> , 2018, 174, 688-699.e16.	13.5	1,372
6	A Human Interactome in Three Quantitative Dimensions Organized by Stoichiometries and Abundances. <i>Cell</i> , 2015, 163, 712-723.	13.5	1,132
7	Active liquid-like behavior of nucleoli determines their size and shape in <i>Xenopus laevis</i> oocytes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 4334-4339.	3.3	1,004
8	Functional genomic analysis of cell division in <i>C. elegans</i> using RNAi of genes on chromosome III. <i>Nature</i> , 2000, 408, 331-336.	13.7	854
9	RNA buffers the phase separation behavior of prion-like RNA binding proteins. <i>Science</i> , 2018, 360, 918-921.	6.0	837
10	Phenotypic profiling of the human genome by time-lapse microscopy reveals cell division genes. <i>Nature</i> , 2010, 464, 721-727.	13.7	768
11	Quantitative Interaction Proteomics and Genome-wide Profiling of Epigenetic Histone Marks and Their Readers. <i>Cell</i> , 2010, 142, 967-980.	13.5	710
12	ATP as a biological hydrotrope. <i>Science</i> , 2017, 356, 753-756.	6.0	677
13	Dynamics and mechanics of the microtubule plus end. <i>Nature</i> , 2003, 422, 753-758.	13.7	666
14	Hydrostatic pressure and the actomyosin cortex drive mitotic cell rounding. <i>Nature</i> , 2011, 469, 226-230.	13.7	576
15	BAC TransgeneOmics: a high-throughput method for exploration of protein function in mammals. <i>Nature Methods</i> , 2008, 5, 409-415.	9.0	568
16	RNA-Induced Conformational Switching and Clustering of G3BP Drive Stress Granule Assembly by Condensation. <i>Cell</i> , 2020, 181, 346-361.e17.	13.5	557
17	Biomolecular condensates at the nexus of cellular stress, protein aggregation disease and ageing. <i>Nature Reviews Molecular Cell Biology</i> , 2021, 22, 196-213.	16.1	535
18	Phase separation of a yeast prion protein promotes cellular fitness. <i>Science</i> , 2018, 359, .	6.0	534

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19	The Centrosome Is a Selective Condensate that Nucleates Microtubules by Concentrating Tubulin. <i>Cell</i> , 2017, 169, 1066-1077.e10.	13.5	533
20	Visualizing the molecular sociology at the HeLa cell nuclear periphery. <i>Science</i> , 2016, 351, 969-972.	6.0	493
21	Polarity controls forces governing asymmetric spindle positioning in the <i>Caenorhabditis elegans</i> embryo. <i>Nature</i> , 2001, 409, 630-633.	13.7	484
22	XMAP215 Is a Processive Microtubule Polymerase. <i>Cell</i> , 2008, 132, 79-88.	13.5	479
23	Systematic Analysis of Human Protein Complexes Identifies Chromosome Segregation Proteins. <i>Science</i> , 2010, 328, 593-599.	6.0	465
24	The spindle: a dynamic assembly of microtubules and motors. <i>Nature Cell Biology</i> , 2001, 3, E28-E34.	4.6	448
25	Rab5 regulates motility of early endosomes on microtubules. <i>Nature Cell Biology</i> , 1999, 1, 376-382.	4.6	433
26	Yeast kinesin-8 depolymerizes microtubules in a length-dependent manner. <i>Nature Cell Biology</i> , 2006, 8, 957-962.	4.6	426
27	Cytoplasmic Dynein Is Required for Distinct Aspects of Mtoc Positioning, Including Centrosome Separation, in the One Cell Stage <i>Caenorhabditis elegans</i> Embryo. <i>Journal of Cell Biology</i> , 1999, 147, 135-150.	2.3	419
28	Binding of the adenomatous polyposis coli protein to microtubules increases microtubule stability and is regulated by GSK3 $\beta$ phosphorylation. <i>Current Biology</i> , 2001, 11, 44-49.	1.8	417
29	Functional Analysis of Kinetochore Assembly in <i>Caenorhabditis elegans</i> . <i>Journal of Cell Biology</i> , 2001, 153, 1209-1226.	2.3	416
30	Aurora-A kinase is required for centrosome maturation in <i>Caenorhabditis elegans</i> . <i>Journal of Cell Biology</i> , 2001, 155, 1109-1116.	2.3	395
31	Ki-67 acts as a biological surfactant to disperse mitotic chromosomes. <i>Nature</i> , 2016, 535, 308-312.	13.7	392
32	An aberrant phase transition of stress granules triggered by misfolded protein and prevented by chaperone function. <i>EMBO Journal</i> , 2017, 36, 1669-1687.	3.5	370
33	Centriole assembly in <i>Caenorhabditis elegans</i> . <i>Nature</i> , 2006, 444, 619-623.	13.7	358
34	Cyk-4. <i>Journal of Cell Biology</i> , 2000, 149, 1391-1404.	2.3	356
35	The Distribution of Active Force Generators Controls Mitotic Spindle Position. <i>Science</i> , 2003, 301, 518-521.	6.0	351
36	A Systematic Mammalian Genetic Interaction Map Reveals Pathways Underlying Ricin Susceptibility. <i>Cell</i> , 2013, 152, 909-922.	13.5	332

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37	Sororin Mediates Sister Chromatid Cohesion by Antagonizing Wapl. <i>Cell</i> , 2010, 143, 737-749.	13.5	325
38	Live-cell imaging RNAi screen identifies PP2A <sup>B55</sup> and importin <sup>β</sup> 1 as key mitotic exit regulators in human cells. <i>Nature Cell Biology</i> , 2010, 12, 886-893.	4.6	315
39	Growth and division of active droplets provides a model for protocells. <i>Nature Physics</i> , 2017, 13, 408-413.	6.5	304
40	SAS-4 Is a <i>C. elegans</i> Centriolar Protein that Controls Centrosome Size. <i>Cell</i> , 2003, 112, 575-587.	13.5	294
41	Amyloid-like Self-Assembly of a Cellular Compartment. <i>Cell</i> , 2016, 166, 637-650.	13.5	294
42	Polarization of PAR Proteins by Advective Triggering of a Pattern-Forming System. <i>Science</i> , 2011, 334, 1137-1141.	6.0	290
43	Polar Positioning of Phase-Separated Liquid Compartments in Cells Regulated by an mRNA Competition Mechanism. <i>Cell</i> , 2016, 166, 1572-1584.e16.	13.5	283
44	Partitioning of cancer therapeutics in nuclear condensates. <i>Science</i> , 2020, 368, 1386-1392.	6.0	281
45	Novel asymmetrically localizing components of human centrosomes identified by complementary proteomics methods. <i>EMBO Journal</i> , 2011, 30, 1520-1535.	3.5	278
46	Local Nucleation of Microtubule Bundles through Tubulin Concentration into a Condensed Tau Phase. <i>Cell Reports</i> , 2017, 20, 2304-2312.	2.9	278
47	Morphogenetic Properties of Microtubules and Mitotic Spindle Assembly. <i>Cell</i> , 1996, 84, 401-410.	13.5	277
48	Genome-scale RNAi profiling of cell division in human tissue culture cells. <i>Nature Cell Biology</i> , 2007, 9, 1401-1412.	4.6	270
49	Microtubule polymerases and depolymerases. <i>Current Opinion in Cell Biology</i> , 2007, 19, 31-35.	2.6	267
50	Predictive models of molecular machines involved in <i>Caenorhabditis elegans</i> early embryogenesis. <i>Nature</i> , 2005, 436, 861-865.	13.7	260
51	A Genome-Scale Resource for In Vivo Tag-Based Protein Function Exploration in <i>C. elegans</i> . <i>Cell</i> , 2012, 150, 855-866.	13.5	253
52	Pericentriolar material structure and dynamics. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2014, 369, 20130459.	1.8	250
53	Aurora A phosphorylation of TACC3/maskin is required for centrosome-dependent microtubule assembly in mitosis. <i>Journal of Cell Biology</i> , 2005, 170, 1047-1055.	2.3	248
54	Protein condensates as aging Maxwell fluids. <i>Science</i> , 2020, 370, 1317-1323.	6.0	247

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55	Reentrant liquid condensate phase of proteins is stabilized by hydrophobic and non-ionic interactions. <i>Nature Communications</i> , 2021, 12, 1085.	5.8	245
56	Role of mitochondria in the pheromone- and amiodarone-induced programmed death of yeast. <i>Journal of Cell Biology</i> , 2005, 168, 257-269.	2.3	242
57	Are aberrant phase transitions a driver of cellular aging?. <i>BioEssays</i> , 2016, 38, 959-968.	1.2	234
58	A requirement for Rho and Cdc42 during cytokinesis in <i>Xenopus</i> embryos. <i>Current Biology</i> , 1997, 7, 12-23.	1.8	233
59	HAUS, the 8-Subunit Human Augmin Complex, Regulates Centrosome and Spindle Integrity. <i>Current Biology</i> , 2009, 19, 816-826.	1.8	231
60	BICD2, dynactin, and LIS1 cooperate in regulating dynein recruitment to cellular structures. <i>Molecular Biology of the Cell</i> , 2012, 23, 4226-4241.	0.9	231
61	The <i>Caenorhabditis elegans</i> Centrosomal Protein SPD-2 Is Required for both Pericentriolar Material Recruitment and Centriole Duplication. <i>Current Biology</i> , 2004, 14, 863-873.	1.8	225
62	Diverse transcription factor binding features revealed by genome-wide ChIP-seq in <i>C. elegans</i> . <i>Genome Research</i> , 2011, 21, 245-254.	2.4	224
63	Stoichiometry of chromatin-associated protein complexes revealed by label-free quantitative mass spectrometry-based proteomics. <i>Nucleic Acids Research</i> , 2013, 41, e28-e28.	6.5	222
64	Beyond Oil and Water—Phase Transitions in Cells. <i>Science</i> , 2012, 337, 1047-1049.	6.0	217
65	Impaired DNA damage response signaling by FUS-NLS mutations leads to neurodegeneration and FUS aggregate formation. <i>Nature Communications</i> , 2018, 9, 335.	5.8	217
66	Spindle Positioning by Cortical Pulling Forces. <i>Developmental Cell</i> , 2005, 8, 461-465.	3.1	216
67	Identification of essential components of the <i>S. cerevisiae</i> kinetochore. <i>Cell</i> , 1993, 73, 761-774.	13.5	215
68	The kinetically dominant assembly pathway for centrosomal asters in <i>Caenorhabditis elegans</i> is $\beta$ -tubulin dependent. <i>Journal of Cell Biology</i> , 2002, 157, 591-602.	2.3	213
69	ASYMMETRIC CELL DIVISION IN <i>C. ELEGANS</i> : Cortical Polarity and Spindle Positioning. <i>Annual Review of Cell and Developmental Biology</i> , 2004, 20, 427-453.	4.0	213
70	Molecular Requirements for Bi-directional Movement of Phagosomes Along Microtubules. <i>Journal of Cell Biology</i> , 1997, 137, 113-129.	2.3	212
71	Two different microtubule-based motor activities with opposite polarities in kinetochores. <i>Nature</i> , 1991, 351, 206-211.	13.7	208
72	Identification and Characterization of Factors Required for Microtubule Growth and Nucleation in the Early <i>C. elegans</i> Embryo. <i>Developmental Cell</i> , 2005, 9, 223-236.	3.1	208

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73	<scp>CPAP</scp> promotes timely cilium disassembly to maintain neural progenitor pool. EMBO Journal, 2016, 35, 803-819.	3.5	208
74	A cytokinesis furrow is positioned by two consecutive signals. Nature, 2005, 436, 731-734.	13.7	206
75	Coupling cell division and cell death to microtubule dynamics. Current Opinion in Cell Biology, 1997, 9, 807-814.	2.6	202
76	Reconstitution of Physiological Microtubule Dynamics Using Purified Components. Science, 2001, 294, 1340-1343.	6.0	202
77	Centrosomes direct cell polarity independently of microtubule assembly in <i>C. elegans</i> embryos. Nature, 2004, 431, 92-96.	13.7	198
78	Limiting Amounts of Centrosome Material Set Centrosome Size in <i>C. elegans</i> Embryos. Current Biology, 2011, 21, 1259-1267.	1.8	198
79	A Protein Domain-Based Interactome Network for <i>C. elegans</i> Early Embryogenesis. Cell, 2008, 134, 534-545.	13.5	196
80	A User's Guide for Phase Separation Assays with Purified Proteins. Journal of Molecular Biology, 2018, 430, 4806-4820.	2.0	195
81	A High-Resolution <i>C. elegans</i> Essential Gene Network Based on Phenotypic Profiling of a Complex Tissue. Cell, 2011, 145, 470-482.	13.5	193
82	Organelle Growth Control through Limiting Pools of Cytoplasmic Components. Current Biology, 2012, 22, R330-R339.	1.8	190
83	Centrosomes are autocatalytic droplets of pericentriolar material organized by centrioles. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E2636-45.	3.3	187
84	Phase Transitions Drive the Formation of Vesicular Stomatitis Virus Replication Compartments. MBio, 2018, 9, .	1.8	183
85	Different Material States of Pub1 Condensates Define Distinct Modes of Stress Adaptation and Recovery. Cell Reports, 2018, 23, 3327-3339.	2.9	183
86	Centrosome Size Sets Mitotic Spindle Length in <i>Caenorhabditis elegans</i> Embryos. Current Biology, 2010, 20, 353-358.	1.8	181
87	Building a spindle of the correct length in human cells requires the interaction between TPX2 and Aurora A. Journal of Cell Biology, 2008, 182, 289-300.	2.3	178
88	Spindle Oscillations during Asymmetric Cell Division Require a Threshold Number of Active Cortical Force Generators. Current Biology, 2006, 16, 2111-2122.	1.8	177
89	Site-Specific Cryo-focused Ion Beam Sample Preparation Guided by 3D Correlative Microscopy. Biophysical Journal, 2016, 110, 860-869.	0.2	172
90	CDK1 Inactivation Regulates Anaphase Spindle Dynamics and Cytokinesis In Vivo. Journal of Cell Biology, 1997, 138, 385-393.	2.3	171

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91	Regulated assembly of a supramolecular centrosome scaffold in vitro. <i>Science</i> , 2015, 348, 808-812.	6.0	170
92	The Mammalian SPD-2 Ortholog Cep192 Regulates Centrosome Biogenesis. <i>Current Biology</i> , 2008, 18, 136-141.	1.8	169
93	Genome-Wide Identification of Binding Sites Defines Distinct Functions for <i>Caenorhabditis elegans</i> PHA-4/FOXA in Development and Environmental Response. <i>PLoS Genetics</i> , 2010, 6, e1000848.	1.5	165
94	The conserved protein DCN-1/Dcn1p is required for cullin neddylation in <i>C. elegans</i> and <i>S. cerevisiae</i> . <i>Nature</i> , 2005, 435, 1257-1261.	13.7	161
95	Synergy between XMAP215 and EB1 increases microtubule growth rates to physiological levels. <i>Nature Cell Biology</i> , 2013, 15, 688-693.	4.6	160
96	Organization and Function of Non-dynamic Biomolecular Condensates. <i>Trends in Biochemical Sciences</i> , 2018, 43, 81-94.	3.7	160
97	Functional Repurposing Revealed by Comparing <i>S. pombe</i> and <i>S. cerevisiae</i> Genetic Interactions. <i>Cell</i> , 2012, 149, 1339-1352.	13.5	154
98	Katanin Disrupts the Microtubule Lattice and Increases Polymer Number in <i>C. elegans</i> Meiosis. <i>Current Biology</i> , 2006, 16, 1944-1949.	1.8	152
99	Growth, fluctuation and switching at microtubule plus ends. <i>Nature Reviews Molecular Cell Biology</i> , 2009, 10, 569-574.	16.1	152
100	Quantification of surface tension and internal pressure generated by single mitotic cells. <i>Scientific Reports</i> , 2014, 4, 6213.	1.6	151
101	Aurora A activates D-TACC-Msps complexes exclusively at centrosomes to stabilize centrosomal microtubules. <i>Journal of Cell Biology</i> , 2005, 170, 1039-1046.	2.3	148
102	Beyond Stereospecificity: Liquids and Mesoscale Organization of Cytoplasm. <i>Developmental Cell</i> , 2011, 21, 14-16.	3.1	147
103	Suppression of Ostwald ripening in active emulsions. <i>Physical Review E</i> , 2015, 92, 012317.	0.8	146
104	Regulating the Yeast Kinetochore by Ubiquitin-Dependent Degradation and Skp1p-Mediated Phosphorylation. <i>Cell</i> , 1997, 91, 491-500.	13.5	144
105	Morphologically distinct microtubule ends in the mitotic centrosome of <i>Caenorhabditis elegans</i> . <i>Journal of Cell Biology</i> , 2003, 163, 451-456.	2.3	144
106	XMAP215 polymerase activity is built by combining multiple tubulin-binding TOG domains and a basic lattice-binding region. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 2741-2746.	3.3	143
107	Proliferating versus differentiating stem and cancer cells exhibit distinct midbody-release behaviour. <i>Nature Communications</i> , 2011, 2, 503.	5.8	139
108	EB1 Recognizes the Nucleotide State of Tubulin in the Microtubule Lattice. <i>PLoS ONE</i> , 2009, 4, e7585.	1.1	137

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109	Controlling compartmentalization by non-membrane-bound organelles. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2018, 373, 20170193.	1.8	132
110	Spatial Organization of the Cell Cytoplasm by Position-Dependent Phase Separation. <i>Physical Review Letters</i> , 2013, 111, 088101.	2.9	131
111	Cdk1-dependent mitotic enrichment of cortical myosin II promotes cell rounding against confinement. <i>Nature Cell Biology</i> , 2015, 17, 148-159.	4.6	131
112	Condensation of Ded1p Promotes a Translational Switch from Housekeeping to Stress Protein Production. <i>Cell</i> , 2020, 181, 818-831.e19.	13.5	130
113	CDC-42 and RHO-1 coordinate acto-myosin contractility and PAR protein localization during polarity establishment in <i>C. elegans</i> embryos. <i>Development (Cambridge)</i> , 2006, 133, 3507-3516.	1.2	128
114	Protein Dynamics in Complex DNA Lesions. <i>Molecular Cell</i> , 2018, 69, 1046-1061.e5.	4.5	128
115	XMAP215: a key component of the dynamic microtubule cytoskeleton. <i>Trends in Cell Biology</i> , 2002, 12, 267-273.	3.6	126
116	One-step purification of assembly-competent tubulin from diverse eukaryotic sources. <i>Molecular Biology of the Cell</i> , 2012, 23, 4393-4401.	0.9	125
117	A focused ion beam milling and lift-out approach for site-specific preparation of frozen-hydrated lamellas from multicellular organisms. <i>Journal of Structural Biology</i> , 2015, 192, 262-269.	1.3	125
118	Salt-Dependent Rheology and Surface Tension of Protein Condensates Using Optical Traps. <i>Physical Review Letters</i> , 2018, 121, 258101.	2.9	125
119	Mitotic chromatin regulates phosphorylation of Stathmin/Op18. <i>Nature</i> , 1997, 389, 640-643.	13.7	120
120	Rheology of the Active Cell Cortex in Mitosis. <i>Biophysical Journal</i> , 2016, 111, 589-600.	0.2	119
121	APC15 mediates CDC20 autoubiquitylation by APC/CMCC and disassembly of the mitotic checkpoint complex. <i>Nature Structural and Molecular Biology</i> , 2012, 19, 1116-1123.	3.6	118
122	XMAP215 activity sets spindle length by controlling the total mass of spindle microtubules. <i>Nature Cell Biology</i> , 2013, 15, 1116-1122.	4.6	115
123	Kinetically distinct phases of tau on microtubules regulate kinesin motors and severing enzymes. <i>Nature Cell Biology</i> , 2019, 21, 1086-1092.	4.6	113
124	The Rho GTPase-activating proteins RGA-3 and RGA-4 are required to set the initial size of PAR domains in <i>Caenorhabditis elegans</i> one-cell embryos. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 14976-14981.	3.3	112
125	Crystal Structure of a TOG Domain: Conserved Features of XMAP215/Dis1-Family TOG Domains and Implications for Tubulin Binding. <i>Structure</i> , 2007, 15, 355-362.	1.6	112
126	PAR proteins diffuse freely across the anterior-posterior boundary in polarized <i>C. elegans</i> embryos. <i>Journal of Cell Biology</i> , 2011, 193, 583-594.	2.3	106



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127	An Essential Function of the <i>C. elegans</i> Ortholog of TPX2 Is to Localize Activated Aurora A Kinase to Mitotic Spindles. <i>Developmental Cell</i> , 2005, 9, 237-248.	3.1	105
128	<i>Caenorhabditis elegans</i> TAC-1 and ZYG-9 Form a Complex that Is Essential for Long Astral and Spindle Microtubules. <i>Current Biology</i> , 2003, 13, 1506-1511.	1.8	104
129	A genomic toolkit to investigate kinesin and myosin motor function in cells. <i>Nature Cell Biology</i> , 2013, 15, 325-334.	4.6	104
130	Structural Transitions at Microtubule Ends Correlate with Their Dynamic Properties in <i>Xenopus</i> Egg Extracts. <i>Journal of Cell Biology</i> , 2000, 149, 767-774.	2.3	103
131	Acto-myosin reorganization and PAR polarity in <i>C. elegans</i> . <i>Development (Cambridge)</i> , 2007, 134, 1035-1043.	1.2	102
132	Automated tracing of microtubules in electron tomograms of plastic embedded samples of <i>Caenorhabditis elegans</i> embryos. <i>Journal of Structural Biology</i> , 2012, 178, 129-138.	1.3	101
133	Stress Generation and Filament Turnover during Actin Ring Constriction. <i>PLoS ONE</i> , 2007, 2, e696.	1.1	99
134	<i>zyg-8</i> , a Gene Required for Spindle Positioning in <i>C. elegans</i> , Encodes a Doublecortin-Related Kinase that Promotes Microtubule Assembly. <i>Developmental Cell</i> , 2001, 1, 363-375.	3.1	98
135	Membrane Invaginations Reveal Cortical Sites that Pull on Mitotic Spindles in One-Cell <i>C. elegans</i> Embryos. <i>PLoS ONE</i> , 2010, 5, e12301.	1.1	96
136	Isogenic FUS-eGFP iPSC Reporter Lines Enable Quantification of FUS Stress Granule Pathology that Is Rescued by Drugs Inducing Autophagy. <i>Stem Cell Reports</i> , 2018, 10, 375-389.	2.3	95
137	FUS pathology in ALS is linked to alterations in multiple ALS-associated proteins and rescued by drugs stimulating autophagy. <i>Acta Neuropathologica</i> , 2019, 138, 67-84.	3.9	94
138	LGL Can Partition the Cortex of One-Cell <i>Caenorhabditis elegans</i> Embryos into Two Domains. <i>Current Biology</i> , 2010, 20, 1296-1303.	1.8	92
139	Comparative profiling identifies C13orf3 as a component of the Ska complex required for mammalian cell division. <i>EMBO Journal</i> , 2009, 28, 1453-1465.	3.5	89
140	RNA interference rescue by bacterial artificial chromosome transgenesis in mammalian tissue culture cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 2396-2401.	3.3	88
141	The <i>C. elegans</i> RSA Complex Localizes Protein Phosphatase 2A to Centrosomes and Regulates Mitotic Spindle Assembly. <i>Cell</i> , 2007, 128, 115-127.	13.5	87
142	Systematic Phosphorylation Analysis of Human Mitotic Protein Complexes. <i>Science Signaling</i> , 2011, 4, rs12.	1.6	87
143	GTP Binding Induces Filament Assembly of a Recombinant Septin. <i>Current Biology</i> , 2002, 12, 1858-1863.	1.8	86
144	Principles of PAR polarity in <i>Caenorhabditis elegans</i> embryos. <i>Nature Reviews Molecular Cell Biology</i> , 2013, 14, 315-322.	16.1	85

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145	Temperature Dependence of Cell Division Timing Accounts for a Shift in the Thermal Limits of <i>C.Âlegans</i> and <i>C.Âbriggsae</i> . <i>Cell Reports</i> , 2015, 10, 647-653.	2.9	85
146	Mitotic cells contract actomyosin cortex and generate pressure to round against or escape epithelial confinement. <i>Nature Communications</i> , 2015, 6, 8872.	5.8	79
147	Chapter 7 Preparation of Marked Microtubules for the Assay of the Polarity of Microtubule-Based Motors by Fluorescence Microscopy. <i>Methods in Cell Biology</i> , 1993, 39, 105-113.	0.5	74
148	LET-99, GOA-1/GPA-16, and GPR-1/2 Are Required for Aster-Positioned Cytokinesis. <i>Current Biology</i> , 2007, 17, 185-191.	1.8	74
149	Sequence-dependent surface condensation of a pioneer transcription factor on DNA. <i>Nature Physics</i> , 2022, 18, 271-276.	6.5	73
150	Conserved TCP domain of Sas-4/CPAP is essential for pericentriolar material tethering during centrosome biogenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E354-63.	3.3	70
151	Cell cycle progression requires the CDC-48 <sup>UFDâ~1/NPLâ~4</sup> complex for efficient DNA replication. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 12879-12884.	3.3	69
152	Sds22 and Repo-Man stabilize chromosome segregation by counteracting Aurora B on anaphase kinetochores. <i>Journal of Cell Biology</i> , 2012, 198, 173-183.	2.3	69
153	Purification of Tubulin from Porcine Brain. <i>Methods in Molecular Biology</i> , 2011, 777, 15-28.	0.4	68
154	Efficient chaperone-mediated tubulin biogenesis is essential for cell division and cell migration in <i>C. elegans</i> . <i>Developmental Biology</i> , 2008, 313, 320-334.	0.9	66
155	Molecular basis for CPAP-tubulin interaction in controlling centriolar and ciliary length. <i>Nature Communications</i> , 2016, 7, 11874.	5.8	66
156	The mbaâ€2 kinase is required for inactivation of MEIâ€1/katanin in the oneâ€cell <i>Caenorhabditis elegans</i> embryo. <i>EMBO Reports</i> , 2003, 4, 1175-1181.	2.0	65
157	Rab5 and Alsin regulate stress-activated cytoprotective signaling on mitochondria. <i>ELife</i> , 2018, 7, .	2.8	65
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