Anthony A Hyman

List of Publications by Year
in descending order

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	Sequence-dependent surface condensation of a pioneer transcription factor on DNA. Nature Physics, 2022, 18, 271-276.	6.5	73
2	Characterization of RNA content in individual phase-separated coacervate microdroplets. Nature Communications, 2022, 13, 2626.	5.8	14
3	Phosphofructokinase relocalizes into subcellular compartments with liquid-like properties inÂvivo. Biophysical Journal, 2021, 120, 1170-1186.	0.2	39
4	Reentrant liquid condensate phase of proteins is stabilized by hydrophobic and non-ionic interactions. Nature Communications, 2021, 12, 1085.	5.8	245
5	Feedback control of PLK1 by Apolo1 ensures accurate chromosome segregation. Cell Reports, 2021, 36, 109343.	2.9	15
6	HspB8 prevents aberrant phase transitions of FUS by chaperoning its folded RNA-binding domain. ELife, 2021, 10, .	2.8	42
7	Local thermodynamics govern formation and dissolution ofCaenorhabditiselegans P granule condensates. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	64
8	Biomolecular condensates at the nexus of cellular stress, protein aggregation disease and ageing. Nature Reviews Molecular Cell Biology, 2021, 22, 196-213.	16.1	535
9	ESI mutagenesis: a one-step method for introducing mutations into bacterial artificial chromosomes. Life Science Alliance, 2021, 4, e202000836.	1.3	2
10	Quantitative theory for the diffusive dynamics of liquid condensates. ELife, 2021, 10, .	2.8	22
11	ASCB Keith Porter Lecture. Molecular Biology of the Cell, 2020, 31, 2864-2867.	0.9	1
12	Protein condensates as aging Maxwell fluids. Science, 2020, 370, 1317-1323.	6.0	247
13	Partitioning of cancer therapeutics in nuclear condensates. Science, 2020, 368, 1386-1392.	6.0	281
14	Condensation of Ded1p Promotes a Translational Switch from Housekeeping to Stress Protein Production. Cell, 2020, 181, 818-831.e19.	13.5	130
15	RNA-Induced Conformational Switching and Clustering of G3BP Drive Stress Granule Assembly by Condensation. Cell, 2020, 181, 346-361.e17.	13.5	557
16	Drops and fibers â€" how biomolecular condensates and cytoskeletal filaments influence each other. Emerging Topics in Life Sciences, 2020, 4, 247-261.	1.1	54
17	Soluble tubulin is significantly enriched at mitotic centrosomes. Journal of Cell Biology, 2019, 218, 3977-3985.	2.3	26
18	Kinetically distinct phases of tau on microtubules regulate kinesin motors and severing enzymes. Nature Cell Biology, 2019, 21, 1086-1092.	4.6	113

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19	FUS pathology in ALS is linked to alterations in multiple ALS-associated proteins and rescued by drugs stimulating autophagy. Acta Neuropathologica, 2019, 138, 67-84.	3.9	94
20	Directed Growth of Biomimetic Microcompartments. Advanced Biology, 2019, 3, e1800314.	3.0	25
21	Inhibition of <scp>CPAP</scp> â€“tubulin interaction prevents proliferation of centrosomeâ€amplified cancer cells. EMBO Journal, 2019, 38, .	3.5	24
22	Phosphatase PP2A and microtubule-mediated pulling forces disassemble centrosomes during mitotic exit. Biology Open, 2018, 7, .	0.6	32
23	Controlling compartmentalization by non-membrane-bound organelles. Philosophical Transactions of the Royal Society B: Biological Sciences, 2018, 373, 20170193.	1.8	132
24	RNA buffers the phase separation behavior of prion-like RNA binding proteins. Science, 2018, 360, 918-921.	6.0	837
25	Isogenic FUS-eGFP iPSC Reporter Lines Enable Quantification of FUS Stress Granule Pathology that Is Rescued by Drugs Inducing Autophagy. Stem Cell Reports, 2018, 10, 375-389.	2.3	95
26	Impaired DNA damage response signaling by FUS-NLS mutations leads to neurodegeneration and FUS aggregate formation. Nature Communications, 2018, 9, 335.	5.8	217
27	Phase separation of a yeast prion protein promotes cellular fitness. Science, 2018, 359, .	6.0	534
28	Protein Dynamics in Complex DNA Lesions. Molecular Cell, 2018, 69, 1046-1061.e5.	4.5	128
29	Organization and Function of Non-dynamic Biomolecular Condensates. Trends in Biochemical Sciences, 2018, 43, 81-94.	3.7	160
30	Salt-Dependent Rheology and Surface Tension of Protein Condensates Using Optical Traps. Physical Review Letters, 2018, 121, 258101.	2.9	125
31	Positioning of Particles in Active Droplets. Physical Review Letters, 2018, 121, 158102.	2.9	24
32	Phase Transitions Drive the Formation of Vesicular Stomatitis Virus Replication Compartments. MBio, 2018, 9, .	1.8	183
33	A Userâ€™s Guide for Phase Separation Assays with Purified Proteins. Journal of Molecular Biology, 2018, 430, 4806-4820.	2.0	195
34	A Molecular Grammar Governing the Driving Forces for Phase Separation of Prion-like RNA Binding Proteins. Cell, 2018, 174, 688-699.e16.	13.5	1,372
35	Rab5 and Alsin regulate stress-activated cytoprotective signaling on mitochondria. ELife, 2018, 7, .	2.8	65
36	Different Material States of Pub1 Condensates Define Distinct Modes of Stress Adaptation and Recovery. Cell Reports, 2018, 23, 3327-3339.	2.9	183

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37	The replicative helicase MCM recruits cohesin acetyltransferase ESCO2 to mediate centromeric sister chromatid cohesion. EMBO Journal, 2018, 37, .	3.5	50
38	Biomolecular condensates: organizers of cellular biochemistry. Nature Reviews Molecular Cell Biology, 2017, 18, 285-298.	16.1	3,771
39	ATP as a biological hydrotrope. Science, 2017, 356, 753-756.	6.0	677
40	A liquid reservoir for silent chromatin. Nature, 2017, 547, 168-169.	13.7	20
41	Stem cells: the new â€œmodel organismâ€• Molecular Biology of the Cell, 2017, 28, 1409-1411.	0.9	22
42	The Centrosome Is a Selective Condensate that Nucleates Microtubules by Concentrating Tubulin. Cell, 2017, 169, 1066-1077.e10.	13.5	533
43	An aberrant phase transition of stress granules triggered by misfolded protein and prevented by chaperone function. EMBO Journal, 2017, 36, 1669-1687.	3.5	370
44	Growth and division of active droplets provides a model for protocells. Nature Physics, 2017, 13, 408-413.	6.5	304
45	Genome-scale single-cell mechanical phenotyping reveals disease-related genes involved in mitotic rounding. Nature Communications, 2017, 8, 1266.	5.8	52
46	Local Nucleation of Microtubule Bundles through Tubulin Concentration into a Condensed Tau Phase. Cell Reports, 2017, 20, 2304-2312.	2.9	278
47	RNA gets in phase. Journal of Cell Biology, 2017, 216, 2235-2237.	2.3	23
48	<scp>CPAP</scp> promotes timely cilium disassembly to maintain neural progenitor pool. EMBO Journal, 2016, 35, 803-819.	3.5	208
49	TransgeneOmics â€“ A transgenic platform for protein localization based function exploration. Methods, 2016, 96, 69-74.	1.9	13
50	Polo-like kinase phosphorylation determines Caenorhabditis elegans centrosome size and density by biasing SPD-5 toward an assembly-competent conformation. Biology Open, 2016, 5, 1431-1440.	0.6	53
51	In vitro Reconstitution of a Membrane Switch Mechanism for the Polarity Protein LGL. Journal of Molecular Biology, 2016, 428, 4828-4842.	2.0	15
52	Rheology of the Active Cell Cortex in Mitosis. Biophysical Journal, 2016, 111, 589-600.	0.2	119
53	Amyloid-like Self-Assembly of a Cellular Compartment. Cell, 2016, 166, 637-650.	13.5	294
54	Polar Positioning of Phase-Separated Liquid Compartments in Cells Regulated by an mRNA Competition Mechanism. Cell, 2016, 166, 1572-1584.e16.	13.5	283

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55	Are aberrant phase transitions a driver of cellular aging?. BioEssays, 2016, 38, 959-968.	1.2	234
56	A locus in Pristionchus pacificus that is responsible for the ability to give rise to fertile offspring at higher temperatures. Biology Open, 2016, 5, 1111-1117.	0.6	6
57	The Mitotic Spindle in the One-Cell C . elegans Embryo Is Positioned with High Precision and Stability. Biophysical Journal, 2016, 111, 1773-1784.	0.2	27
58	Molecular basis for CPAP-tubulin interaction in controlling centriolar and ciliary length. Nature Communications, 2016, 7, 11874.	5.8	66
59	PLEKHA7 Recruits PDZD11 to Adherens Junctions to Stabilize Nectins. Journal of Biological Chemistry, 2016, 291, 11016-11029.	1.6	28
60	Ki-67 acts as a biological surfactant to disperse mitotic chromosomes. Nature, 2016, 535, 308-312.	13.7	392
61	Site-Specific Cryo-focused Ion Beam Sample Preparation Guided by 3D Correlative Microscopy. Biophysical Journal, 2016, 110, 860-869.	0.2	172
62	Visualizing the molecular sociology at the HeLa cell nuclear periphery. Science, 2016, 351, 969-972.	6.0	493
63	Priority of discovery in the life sciences. ELife, 2016, 5, .	2.8	28
64	Suppression of Ostwald ripening in active emulsions. Physical Review E, 2015, 92, 012317.	0.8	146
65	Mitotic cells contract actomyosin cortex and generate pressure to round against or escape epithelial confinement. Nature Communications, 2015, 6, 8872.	5.8	79
66	Temperature Dependence of Cell Division Timing Accounts for a Shift in the Thermal Limits of C.Âelegans and C.Âbriggsae. Cell Reports, 2015, 10, 647-653.	2.9	85
67	Cdk1-dependent mitotic enrichment of cortical myosinÂII promotes cell rounding against confinement. Nature Cell Biology, 2015, 17, 148-159.	4.6	131
68	Emergent Properties of the Metaphase Spindle. Cold Spring Harbor Perspectives in Biology, 2015, 7, a015784.	2.3	40
69	Method. Methods in Cell Biology, 2015, 129, 369-382.	0.5	18
70	Sestrin 2 Protein Regulates Platelet-derived Growth Factor Receptor Î² (PdgfrÎ²) Expression by Modulating Proteasomal and Nrf2 Transcription Factor Functions. Journal of Biological Chemistry, 2015, 290, 9738-9752.	1.6	17
71	Regulated assembly of a supramolecular centrosome scaffold in vitro. Science, 2015, 348, 808-812.	6.0	170
72	A Human Interactome in Three Quantitative Dimensions Organized by Stoichiometries and Abundances. Cell, 2015, 163, 712-723.	13.5	1,132

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73	A focused ion beam milling and lift-out approach for site-specific preparation of frozen-hydrated lamellas from multicellular organisms. Journal of Structural Biology, 2015, 192, 262-269.	1.3	125
74	A Liquid-to-Solid Phase Transition of the ALS Protein FUS Accelerated by Disease Mutation. Cell, 2015, 162, 1066-1077.	13.5	2,182
75	Quantitative comparison of a human cancer cell surface proteome between interphase and mitosis. EMBO Journal, 2015, 34, 251-265.	3.5	41
76	Coiled-Coil Proteins Facilitated the Functional Expansion of the Centrosome. PLoS Computational Biology, 2014, 10, e1003657.	1.5	32
77	Products of the Parkinson's disease-related glyoxalase DJ-1, D-lactate and glycolate, support mitochondrial membrane potential and neuronal survival. Biology Open, 2014, 3, 777-784.	0.6	49
78	Pericentriolar material structure and dynamics. Philosophical Transactions of the Royal Society B: Biological Sciences, 2014, 369, 20130459.	1.8	250
79	Conserved TCP domain of Sas-4/CPAP is essential for pericentriolar material tethering during centrosome biogenesis. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E354-63.	3.3	70
80	Encouraging innovation. Molecular Biology of the Cell, 2014, 25, 427-428.	0.9	1
81	Timing and mechanism of the initial cue establishing handed leftâ€“right asymmetry in Caenorhabditis elegans embryos. Genesis, 2014, 52, 572-580.	0.8	38
82	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
83	Liquid-Liquid Phase Separation in Biology. Annual Review of Cell and Developmental Biology, 2014, 30, 39-58.	4.0	2,234
84	TheCaenorhabditiseleganspericentriolar material components SPD-2 and SPD-5 are monomeric in the cytoplasm before incorporation into the PCM matrix. Molecular Biology of the Cell, 2014, 25, 2984-2992.	0.9	31
85	Quantification of surface tension and internal pressure generated by single mitotic cells. Scientific Reports, 2014, 4, 6213.	1.6	151
86	The Segmentation of Microtubules in Electron Tomograms Using Amira. Methods in Molecular Biology, 2014, 1136, 261-278.	0.4	29
87	XMAP215 activity sets spindle length by controlling the total mass of spindle microtubules. Nature Cell Biology, 2013, 15, 1116-1122.	4.6	115
88	A genomic toolkit to investigate kinesin and myosin motor function in cells. Nature Cell Biology, 2013, 15, 325-334.	4.6	104
89	A Systematic Mammalian Genetic Interaction Map Reveals Pathways Underlying Ricin Susceptibility. Cell, 2013, 152, 909-922.	13.5	332
90	Principles of PAR polarity in Caenorhabditis elegans embryos. Nature Reviews Molecular Cell Biology, 2013, 14, 315-322.	16.1	85

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91	Synergy between XMAP215 and EB1 increases microtubule growth rates to physiological levels. Nature Cell Biology, 2013, 15, 688-693.	4.6	160
92	Spatial Organization of the Cell Cytoplasm by Position-Dependent Phase Separation. Physical Review Letters, 2013, 111, 088101.	2.9	131
93	Funding Innovative Science. Science, 2013, 339, 119-119.	6.0	2
94	Stoichiometry of chromatin-associated protein complexes revealed by label-free quantitative mass spectrometry-based proteomics. Nucleic Acids Research, 2013, 41, e28-e28.	6.5	222
95	C11ORF24 Is a Novel Type I Membrane Protein That Cycles between the Golgi Apparatus and the Plasma Membrane in Rab6-Positive Vesicles. PLoS ONE, 2013, 8, e82223.	1.1	3
96	BICD2, dynactin, and LIS1 cooperate in regulating dynein recruitment to cellular structures. Molecular Biology of the Cell, 2012, 23, 4226-4241.	0.9	231
97	Sds22 and Repo-Man stabilize chromosome segregation by counteracting Aurora B on anaphase kinetochores. Journal of Cell Biology, 2012, 198, 173-183.	2.3	69
98	One-step purification of assembly-competent tubulin from diverse eukaryotic sources. Molecular Biology of the Cell, 2012, 23, 4393-4401.	0.9	125
99	APC15 mediates CDC20 autoubiquitylation by APC/CMCC and disassembly of the mitotic checkpoint complex. Nature Structural and Molecular Biology, 2012, 19, 1116-1123.	3.6	118
100	A Genome-Scale Resource for InÂVivo Tag-Based Protein Function Exploration in C.Âelegans. Cell, 2012, 150, 855-866.	13.5	253
101	Beyond Oil and Waterâ€"Phase Transitions in Cells. Science, 2012, 337, 1047-1049.	6.0	217
102	Automated tracing of microtubules in electron tomograms of plastic embedded samples of Caenorhabditis elegans embryos. Journal of Structural Biology, 2012, 178, 129-138.	1.3	101
103	Functional Repurposing Revealed by Comparing S.Âpombe and S.Âcerevisiae Genetic Interactions. Cell, 2012, 149, 1339-1352.	13.5	154
104	High-efficiency counterselection recombineering for site-directed mutagenesis in bacterial artificial chromosomes. Nature Methods, 2012, 9, 103-109.	9.0	52
105	GTSE1 Is a Microtubule Plus-End Tracking Protein That Regulates EB1-Dependent Cell Migration. PLoS ONE, 2012, 7, e51259.	1.1	52
106	Tracking mechanics and volume of globular cells with atomic force microscopy using a constant-height clamp. Nature Protocols, 2012, 7, 143-154.	5.5	45
107	Organelle Growth Control through Limiting Pools of Cytoplasmic Components. Current Biology, 2012, 22, R330-R339.	1.8	190
108	Diverse transcription factor binding features revealed by genome-wide ChIP-seq in C. elegans. Genome Research, 2011, 21, 245-254.	2.4	224

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109	Purification of Tubulin from Porcine Brain. Methods in Molecular Biology, 2011, 777, 15-28.	0.4	68
110	Polarization of PAR Proteins by Advective Triggering of a Pattern-Forming System. Science, 2011, 334, 1137-1141.	6.0	290
111	A High-Resolution C.Âelegans Essential Gene Network Based on Phenotypic Profiling of a Complex Tissue. Cell, 2011, 145, 470-482.	13.5	193
112	Samurai Sword Sets Spindle Size. Cell, 2011, 147, 1224-1225.	13.5	1
113	Beyond Stereospecificity: Liquids and Mesoscale Organization of Cytoplasm. Developmental Cell, 2011, 21, 14-16.	3.1	147
114	3K1334 A single-cell RNAi screen for regulators of mitotic cell mechanics identifies diseases-associated genes(Cell biology 4,The 49th Annual Meeting of the Biophysical Society of Japan). Seibutsu Butsuri, 2011, 51, S146.	0.0	0
115	Novel asymmetrically localizing components of human centrosomes identified by complementary proteomics methods. EMBO Journal, 2011, 30, 1520-1535.	3.5	278
116	Hydrostatic pressure and the actomyosin cortex drive mitotic cell rounding. Nature, 2011, 469, 226-230.	13.7	576
117	Force probing cell shape changes to molecular resolution. Trends in Biochemical Sciences, 2011, 36, 444-450.	3.7	27
118	Limiting Amounts of Centrosome Material Set Centrosome Size in C.Âelegans Embryos. Current Biology, 2011, 21, 1259-1267.	1.8	198
119	Atomic Force Microscopy to Study Mechanics of Living Mitotic Mammalian Cells. Japanese Journal of Applied Physics, 2011, 50, 08LA01.	0.8	1
120	Proliferating versus differentiating stem and cancer cells exhibit distinct midbody-release behaviour. Nature Communications, 2011, 2, 503.	5.8	139
121	Systematic Phosphorylation Analysis of Human Mitotic Protein Complexes. Science Signaling, 2011, 4, rs12.	1.6	87
122	Whither systems biology. Philosophical Transactions of the Royal Society B: Biological Sciences, 2011, 366, 3635-3637.	1.8	16
123	PAR proteins diffuse freely across the anteriorâ€“posterior boundary in polarized C. elegans embryos. Journal of Cell Biology, 2011, 193, 583-594.	2.3	106
124	The First Cell Cycle of the Caenorhabditis elegans Embryo: Spatial and Temporal Control of an Asymmetric Cell Division. Results and Problems in Cell Differentiation, 2011, 53, 109-133.	0.2	19
125	Active liquid-like behavior of nucleoli determines their size and shape in Xenopus laevis oocytes. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 4334-4339.	3.3	1,004
126	XMAP215 polymerase activity is built by combining multiple tubulin-binding TOG domains and a basic lattice-binding region. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 2741-2746.	3.3	143

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127	Centrosome Size Sets Mitotic Spindle Length in Caenorhabditis elegans Embryos. Current Biology, 2010, 20, 353-358.	1.8	181
128	LGL Can Partition the Cortex of One-Cell Caenorhabditis elegans Embryos into Two Domains. Current Biology, 2010, 20, 1296-1303.	1.8	92
129	Phenotypic profiling of the human genome by time-lapse microscopy reveals cell division genes. Nature, 2010, 464, 721-727.	13.7	768
130	Live-cell imaging RNAi screen identifies PP2Aâ€“B55Î± and importin-Î²1 as key mitotic exit regulators in human cells. Nature Cell Biology, 2010, 12, 886-893.	4.6	315
131	Cortical domain correction repositions the polarity boundary to match the cytokinesis furrow in C. elegans embryos. Development (Cambridge), 2010, 137, 1743-1753.	1.2	46
132	Genome-Wide Identification of Binding Sites Defines Distinct Functions for Caenorhabditis elegans PHA-4/FOXA in Development and Environmental Response. PLoS Genetics, 2010, 6, e1000848.	1.5	165
133	Automated tracking and analysis of centrosomes in early Caenorhabditis elegans embryos. Bioinformatics, 2010, 26, i13-i20.	1.8	25
134	FRAP Analysis of Membrane-Associated Proteins: Lateral Diffusion and Membrane-Cytoplasmic Exchange. Biophysical Journal, 2010, 99, 2443-2452.	0.2	63
135	Quantitative Interaction Proteomics and Genome-wide Profiling of Epigenetic Histone Marks and Their Readers. Cell, 2010, 142, 967-980.	13.5	710
136	Sororin Mediates Sister Chromatid Cohesion by Antagonizing Wapl. Cell, 2010, 143, 737-749.	13.5	325
137	Systematic Analysis of Human Protein Complexes Identifies Chromosome Segregation Proteins. Science, 2010, 328, 593-599.	6.0	465
138	Membrane Invaginations Reveal Cortical Sites that Pull on Mitotic Spindles in One-Cell C. elegans Embryos. PLoS ONE, 2010, 5, e12301.	1.1	96
139	HAUS, the 8-Subunit Human Augmin Complex, Regulates Centrosome and Spindle Integrity. Current Biology, 2009, 19, 816-826.	1.8	231
140	Comparative profiling identifies C13orf3 as a component of the Ska complex required for mammalian cell division. EMBO Journal, 2009, 28, 1453-1465.	3.5	89
141	Growth, fluctuation and switching at microtubule plus ends. Nature Reviews Molecular Cell Biology, 2009, 10, 569-574.	16.1	152
142	Germline P Granules Are Liquid Droplets That Localize by Controlled Dissolution/Condensation. Science, 2009, 324, 1729-1732.	6.0	2,267
143	EB1 Recognizes the Nucleotide State of Tubulin in the Microtubule Lattice. PLoS ONE, 2009, 4, e7585.	1.1	137
144	BAC TransgeneOmics: a high-throughput method for exploration of protein function in mammals. Nature Methods, 2008, 5, 409-415.	9.0	568

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145	The Mammalian SPD-2 Ortholog Cep192 RegulatesÂCentrosome Biogenesis. Current Biology, 2008, 18, 136-141.	1.8	169
146	Characterization of Protein Dynamics in Asymmetric Cell Division by Scanning Fluorescence Correlation Spectroscopy. Biophysical Journal, 2008, 95, 5476-5486.	0.2	52
147	Efficient chaperone-mediated tubulin biogenesis is essential for cell division and cell migration in C. elegans. Developmental Biology, 2008, 313, 320-334.	0.9	66
148	XMAP215 Is a Processive Microtubule Polymerase. Cell, 2008, 132, 79-88.	13.5	479
149	A Protein Domain-Based Interactome Network for C. elegans Early Embryogenesis. Cell, 2008, 134, 534-545.	13.5	196
150	Cell cycle progression requires the CDC-48 ^{UFDâ˜1/NPLâ˜4} complex for efficient DNA replication. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 12879-12884.	3.3	69
151	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
152	Two-photon fluorescence imaging and correlation analysis applied to protein dynamics in C. elegans embryo. , 2008, , .		9
153	Acto-myosin reorganization and PAR polarity in C. elegans. Development (Cambridge), 2007, 134, 1035-1043.	1.2	102
154	Functional Interaction between Phosducin-like Protein 2 and Cytosolic Chaperonin Is Essential for Cytoskeletal Protein Function and Cell Cycle Progression. Molecular Biology of the Cell, 2007, 18, 2336-2345.	0.9	50
155	The Rho GTPase-activating proteins RGA-3 and RGA-4 are required to set the initial size of PAR domains in Caenorhabditis elegans one-cell embryos. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 14976-14981.	3.3	112
156	The C. elegans RSA Complex Localizes Protein Phosphatase 2A to Centrosomes and Regulates Mitotic Spindle Assembly. Cell, 2007, 128, 115-127.	13.5	87
157	Stress Generation and Filament Turnover during Actin Ring Constriction. PLoS ONE, 2007, 2, e696.	1.1	99
158	Genome-scale RNAi profiling of cell division in human tissue culture cells. Nature Cell Biology, 2007, 9, 1401-1412.	4.6	270
159	Microtubule polymerases and depolymerases. Current Opinion in Cell Biology, 2007, 19, 31-35.	2.6	267
160	LET-99, GOA-1/GPA-16, and GPR-1/2 Are Required for Aster-Positioned Cytokinesis. Current Biology, 2007, 17, 185-191.	1.8	74
161	Crystal Structure of a TOG Domain: Conserved Features of XMAP215/Dis1-Family TOG Domains and Implications for Tubulin Binding. Structure, 2007, 15, 355-362.	1.6	112
162	Yeast kinesin-8 depolymerizes microtubules in a length-dependent manner. Nature Cell Biology, 2006, 8, 957-962.	4.6	426

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163	Cyclin Eâ€“Cdk2 temporally regulates centrosome assembly and establishment of polarity in Caenorhabditis elegans embryos. Nature Cell Biology, 2006, 8, 1441-1447.	4.6	60
164	Centriole assembly in Caenorhabditis elegans. Nature, 2006, 444, 619-623.	13.7	358
165	Global and local control of microtubule destabilization promoted by a catastrophe kinesin MCAK/XKCM1. Journal of Muscle Research and Cell Motility, 2006, 27, 107-114.	0.9	20
166	The Caenorhabditis elegans Centrosomal Protein SPD-2 Is Required for both Pericentriolar Material Recruitment and Centriole Duplication. Current Biology, 2006, 16, 1255.	1.8	0
167	Katanin Disrupts the Microtubule Lattice and Increases Polymer Number in C.Âelegans Meiosis. Current Biology, 2006, 16, 1944-1949.	1.8	152
168	Spindle Oscillations during Asymmetric Cell Division Require a Threshold Number of Active Cortical Force Generators. Current Biology, 2006, 16, 2111-2122.	1.8	177
169	CDC-42 and RHO-1 coordinate acto-myosin contractility and PAR protein localization during polarity establishment in C. elegansembryos. Development (Cambridge), 2006, 133, 3507-3516.	1.2	128
170	The C. elegans Centrosome during Early Embryonic Development. , 2005, , 225-250.		0
171	Boveri revisited. EMBO Journal, 2005, 24, 1104-1110.	3.5	3
172	The conserved protein DCN-1/Dcn1p is required for cullin neddylation in C. elegans and S. cerevisiae. Nature, 2005, 435, 1257-1261.	13.7	161
173	A cytokinesis furrow is positioned by two consecutive signals. Nature, 2005, 436, 731-734.	13.7	206
174	Predictive models of molecular machines involved in Caenorhabditis elegans early embryogenesis. Nature, 2005, 436, 861-865.	13.7	260
175	Aurora A phosphorylation of TACC3/maskin is required for centrosome-dependent microtubule assembly in mitosis. Journal of Cell Biology, 2005, 170, 1047-1055.	2.3	248
176	Aurora A activates D-TACCâ€“Msps complexes exclusively at centrosomes to stabilize centrosomal microtubules. Journal of Cell Biology, 2005, 170, 1039-1046.	2.3	148
177	A comparison of the ability of XMAP215 and tau to inhibit the microtubule destabilizing activity of XKCM1. Philosophical Transactions of the Royal Society B: Biological Sciences, 2005, 360, 591-594.	1.8	17
178	RNA interference rescue by bacterial artificial chromosome transgenesis in mammalian tissue culture cells. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 2396-2401.	3.3	88
179	Role of mitochondria in the pheromone- and amiodarone-induced programmed death of yeast. Journal of Cell Biology, 2005, 168, 257-269.	2.3	242
180	Spindle Positioning by Cortical Pulling Forces. Developmental Cell, 2005, 8, 461-465.	3.1	216

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181	An Essential Function of the C. elegans Ortholog of TPX2 Is to Localize Activated Aurora A Kinase to Mitotic Spindles. Developmental Cell, 2005, 9, 237-248.	3.1	105
182	Identification and Characterization of Factors Required for Microtubule Growth and Nucleation in the Early C. elegans Embryo. Developmental Cell, 2005, 9, 223-236.	3.1	208
183	Centrosomes direct cell polarity independently of microtubule assembly in C. elegans embryos. Nature, 2004, 431, 92-96.	13.7	198
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