

# Jan Ellenberg

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

185 papers	20,787 citations	77 h-index	143 g-index
201 ext. papers	23,806 ext. citations	13.8 avg, IF	6.65 L-index

#	Paper	IF	Citations
185	REMBI: Recommended Metadata for Biological Images-enabling reuse of microscopy data in biology. <i>Nature Methods</i> , <b>2021</b> , 18, 1418-1422	21.6	16
184	Superaufgelöste Erkennung räumlicher Nähe mit Proximity-PAINT. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 726-731	3.6	
183	Super-Resolution Spatial Proximity Detection with Proximity-PAINT. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 716-720	16.4	3
182	Three-dimensional superresolution fluorescence microscopy maps the variable molecular architecture of the nuclear pore complex. <i>Molecular Biology of the Cell</i> , <b>2021</b> , 32, 1523-1533	3.5	7
181	Dual spindles assemble in bovine zygotes despite the presence of paternal centrosomes. <i>Journal of Cell Biology</i> , <b>2021</b> , 220,	7.3	5
180	Chemogenetic Control of Nanobodies. <i>Nature Methods</i> , <b>2020</b> , 17, 279-282	21.6	27
179	MINFLUX nanoscopy delivers 3D multicolor nanometer resolution in cells. <i>Nature Methods</i> , <b>2020</b> , 17, 217-224	21.6	204
178	LifeTime and improving European healthcare through cell-based interceptive medicine. <i>Nature</i> , <b>2020</b> , 587, 377-386	50.4	56
177	Direct Visualization of Single Nuclear Pore Complex Proteins Using Genetically-Encoded Probes for DNA-PAINT. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 13138-13142	3.6	13
176	Nuclear pores as versatile reference standards for quantitative superresolution microscopy. <i>Nature Methods</i> , <b>2019</b> , 16, 1045-1053	21.6	105
175	Integrating Imaging and Omics: Computational Methods and Challenges. <i>Annual Review of Biomedical Data Science</i> , <b>2019</b> , 2, 175-197	5.6	17
174	Mysteries in embryonic development: How can errors arise so frequently at the beginning of mammalian life?. <i>PLoS Biology</i> , <b>2019</b> , 17, e3000173	9.7	10
173	Direct Visualization of Single Nuclear Pore Complex Proteins Using Genetically-Encoded Probes for DNA-PAINT. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 13004-13008	16.4	57
172	Photoactivation of silicon rhodamines via a light-induced protonation. <i>Nature Communications</i> , <b>2019</b> , 10, 4580	17.4	19
171	Determining cellular CTCF and cohesin abundances to constrain 3D genome models. <i>ELife</i> , <b>2019</b> , 8,	8.9	59
170	Absolute quantification of cohesin, CTCF and their regulators in human cells. <i>ELife</i> , <b>2019</b> , 8,	8.9	44
169	Real-time 3D single-molecule localization using experimental point spread functions. <i>Nature Methods</i> , <b>2018</b> , 15, 367-369	21.6	133

168	A quantitative map of human Condensins provides new insights into mitotic chromosome architecture. <i>Journal of Cell Biology</i> , <b>2018</b> , 217, 2309-2328	7.3	89
167	Postmitotic nuclear pore assembly proceeds by radial dilation of small membrane openings. <i>Nature Structural and Molecular Biology</i> , <b>2018</b> , 25, 21-28	17.6	53
166	Correlative live and super-resolution imaging reveals the dynamic structure of replication domains. <i>Journal of Cell Biology</i> , <b>2018</b> , 217, 1973-1984	7.3	45
165	Live imaging of cell division in preimplantation mouse embryos using inverted light-sheet microscopy. <i>Methods in Cell Biology</i> , <b>2018</b> , 145, 279-292	1.8	6
164	Quantitative live and super-resolution microscopy of mitotic chromosomes. <i>Methods in Cell Biology</i> , <b>2018</b> , 145, 65-90	1.8	5
163	Dual-spindle formation in zygotes keeps parental genomes apart in early mammalian embryos. <i>Science</i> , <b>2018</b> , 361, 189-193	33.3	72
162	Modified aptamers enable quantitative sub-10-nm cellular DNA-PAINT imaging. <i>Nature Methods</i> , <b>2018</b> , 15, 685-688	21.6	98
161	The replicative helicase MCM recruits cohesin acetyltransferase ESCO2 to mediate centromeric sister chromatid cohesion. <i>EMBO Journal</i> , <b>2018</b> , 37,	13	26
160	ChromoTrace: Computational reconstruction of 3D chromosome configurations for super-resolution microscopy. <i>PLoS Computational Biology</i> , <b>2018</b> , 14, e1006002	5	1
159	Mechanisms of nuclear pore complex assembly - two different ways of building one molecular machine. <i>FEBS Letters</i> , <b>2018</b> , 592, 475-488	3.8	57
158	Gain of CTCF-Anchored Chromatin Loops Marks the Exit from Naive Pluripotency. <i>Cell Systems</i> , <b>2018</b> , 7, 482-495.e10	10.6	37
157	Multivariate Control of Transcript to Protein Variability in Single Mammalian Cells. <i>Cell Systems</i> , <b>2018</b> , 7, 398-411.e6	10.6	17
156	A call for public archives for biological image data. <i>Nature Methods</i> , <b>2018</b> , 15, 849-854	21.6	61
155	Experimental and computational framework for a dynamic protein atlas of human cell division. <i>Nature</i> , <b>2018</b> , 561, 411-415	50.4	65
154	Quantitative mapping of fluorescently tagged cellular proteins using FCS-calibrated four-dimensional imaging. <i>Nature Protocols</i> , <b>2018</b> , 13, 1445-1464	18.8	41
153	Generation and validation of homozygous fluorescent knock-in cells using CRISPR-Cas9 genome editing. <i>Nature Protocols</i> , <b>2018</b> , 13, 1465-1487	18.8	58
152	Real-Time Imaging of a Single Gene Reveals Transcription-Initiated Local Confinement. <i>Biophysical Journal</i> , <b>2017</b> , 113, 1383-1394	2.9	98
151	Topologically associating domains and chromatin loops depend on cohesin and are regulated by CTCF, WAPL, and PDS5 proteins. <i>EMBO Journal</i> , <b>2017</b> , 36, 3573-3599	13	360

150	The cellular microscopy phenotype ontology. <i>Journal of Biomedical Semantics</i> , <b>2016</b> , 7, 28	2.2	17
149	Ki-67 acts as a biological surfactant to disperse mitotic chromosomes. <i>Nature</i> , <b>2016</b> , 535, 308-12	50.4	269
148	Inverted light-sheet microscope for imaging mouse pre-implantation development. <i>Nature Methods</i> , <b>2016</b> , 13, 139-42	21.6	102
147	ARHGEF17 is an essential spindle assembly checkpoint factor that targets Mps1 to kinetochores. <i>Journal of Cell Biology</i> , <b>2016</b> , 212, 647-59	7.3	14
146	Nuclear pore assembly proceeds by an inside-out extrusion of the nuclear envelope. <i>ELife</i> , <b>2016</b> , 5,	8.9	107
145	Profiling DNA damage response following mitotic perturbations. <i>Nature Communications</i> , <b>2016</b> , 7, 13887	17.4	33
144	A protocol for the systematic and quantitative measurement of protein-lipid interactions using the liposome-microarray-based assay. <i>Nature Protocols</i> , <b>2016</b> , 11, 1021-38	18.8	18
143	Sister chromatid resolution is an intrinsic part of chromosome organization in prophase. <i>Nature Cell Biology</i> , <b>2016</b> , 18, 692-9	23.4	59
142	A proposal for validation of antibodies. <i>Nature Methods</i> , <b>2016</b> , 13, 823-7	21.6	312
141	FUN-L: gene prioritization for RNAi screens. <i>Bioinformatics</i> , <b>2015</b> , 31, 2052-3	7.2	8
140	High-throughput fluorescence correlation spectroscopy enables analysis of proteome dynamics in living cells. <i>Nature Biotechnology</i> , <b>2015</b> , 33, 384-9	44.5	112
139	An actin-dependent spindle position checkpoint ensures the asymmetric division in mouse oocytes. <i>Nature Communications</i> , <b>2015</b> , 6, 7784	17.4	7
138	Lipid Cooperativity as a General Membrane-Recruitment Principle for PH Domains. <i>Cell Reports</i> , <b>2015</b> , 12, 1519-30	10.6	44
137	A cell-based model system links chromothripsis with hyperploidy. <i>Molecular Systems Biology</i> , <b>2015</b> , 11, 828	12.2	88
136	Multiple requirements of PLK1 during mouse oocyte maturation. <i>PLoS ONE</i> , <b>2015</b> , 10, e0116783	3.7	55
135	Live imaging and modeling of inner nuclear membrane targeting reveals its molecular requirements in mammalian cells. <i>Journal of Cell Biology</i> , <b>2015</b> , 209, 705-20	7.3	53
134	Mechanisms of HsSAS-6 assembly promoting centriole formation in human cells. <i>Journal of Cell Biology</i> , <b>2014</b> , 204, 697-712	7.3	59
133	A quantitative liposome microarray to systematically characterize protein-lipid interactions. <i>Nature Methods</i> , <b>2014</b> , 11, 47-50	21.6	66

132	MAP1S controls microtubule stability throughout the cell cycle in human cells. <i>Journal of Cell Science</i> , <b>2014</b> , 127, 5007-13	5.3	11
131	Comparative assessment of fluorescent transgene methods for quantitative imaging in human cells. <i>Molecular Biology of the Cell</i> , <b>2014</b> , 25, 3610-8	3.5	38
130	Imaging the assembly, structure, and function of the nuclear pore inside cells. <i>Methods in Cell Biology</i> , <b>2014</b> , 122, 219-38	1.8	11
129	Integration of biological data by kernels on graph nodes allows prediction of new genes involved in mitotic chromosome condensation. <i>Molecular Biology of the Cell</i> , <b>2014</b> , 25, 2522-36	3.5	36
128	Myo19 ensures symmetric partitioning of mitochondria and coupling of mitochondrial segregation to cell division. <i>Current Biology</i> , <b>2014</b> , 24, 2598-605	6.3	56
127	SNW1 enables sister chromatid cohesion by mediating the splicing of sororin and APC2 pre-mRNAs. <i>EMBO Journal</i> , <b>2014</b> , 33, 2643-58	13	39
126	Crowded chromatin is not sufficient for heterochromatin formation and not required for its maintenance. <i>Journal of Structural Biology</i> , <b>2013</b> , 184, 445-53	3.4	26
125	Wapl is an essential regulator of chromatin structure and chromosome segregation. <i>Nature</i> , <b>2013</b> , 501, 564-8	50.4	211
124	EGF-induced centrosome separation promotes mitotic progression and cell survival. <i>Developmental Cell</i> , <b>2013</b> , 25, 229-40	10.2	54
123	Dynamical modelling of phenotypes in a genome-wide RNAi live-cell imaging assay. <i>BMC Bioinformatics</i> , <b>2013</b> , 14, 308	3.6	10
122	Nuclear pore scaffold structure analyzed by super-resolution microscopy and particle averaging. <i>Science</i> , <b>2013</b> , 341, 655-8	33.3	307
121	Mitotic lamin disassembly is triggered by lipid-mediated signaling. <i>Journal of Cell Biology</i> , <b>2012</b> , 198, 981-90	7.3	50
120	The transition from meiotic to mitotic spindle assembly is gradual during early mammalian development. <i>Journal of Cell Biology</i> , <b>2012</b> , 198, 357-70	7.3	152
119	GTSE1 is a microtubule plus-end tracking protein that regulates EB1-dependent cell migration. <i>PLoS ONE</i> , <b>2012</b> , 7, e51259	3.7	40
118	Genome-wide RNAi screening identifies human proteins with a regulatory function in the early secretory pathway. <i>Nature Cell Biology</i> , <b>2012</b> , 14, 764-74	23.4	141
117	Nucleoporin NUP153 guards genome integrity by promoting nuclear import of 53BP1. <i>Cell Death and Differentiation</i> , <b>2012</b> , 19, 798-807	12.7	54
116	A fractal model for nuclear organization: current evidence and biological implications. <i>Nucleic Acids Research</i> , <b>2012</b> , 40, 8783-92	20.1	82
115	Complete kinetochore tracking reveals error-prone homologous chromosome biorientation in mammalian oocytes. <i>Cell</i> , <b>2011</b> , 146, 568-81	56.2	231

114	Micropilot: automation of fluorescence microscopy-based imaging for systems biology. <i>Nature Methods</i> , <b>2011</b> , 8, 246-9	21.6	107
113	Intracellular transport by an anchored homogeneously contracting F-actin meshwork. <i>Current Biology</i> , <b>2011</b> , 21, 606-11	6.3	55
112	Automatic quantification of microtubule dynamics enables RNAi-screening of new mitotic spindle regulators. <i>Cytoskeleton</i> , <b>2011</b> , 68, 266-78	2.4	33
111	A Nup133-dependent NPC-anchored network tethers centrosomes to the nuclear envelope in prophase. <i>Journal of Cell Biology</i> , <b>2011</b> , 192, 855-71	7.3	138
110	Phenotypic profiling of the human genome reveals gene products involved in plasma membrane targeting of SRC kinases. <i>Genome Research</i> , <b>2011</b> , 21, 1955-68	9.7	9
109	A system for imaging the regulatory noncoding Xist RNA in living mouse embryonic stem cells. <i>Molecular Biology of the Cell</i> , <b>2011</b> , 22, 2634-45	3.5	39
108	The quantitative proteome of a human cell line. <i>Molecular Systems Biology</i> , <b>2011</b> , 7, 549	12.2	586
107	The protein phosphatase 1 regulator PNUTS is a new component of the DNA damage response. <i>EMBO Reports</i> , <b>2010</b> , 11, 868-75	6.5	52
106	Phenotypic profiling of the human genome by time-lapse microscopy reveals cell division genes. <i>Nature</i> , <b>2010</b> , 464, 721-7	50.4	668
105	Visualization of image data from cells to organisms. <i>Nature Methods</i> , <b>2010</b> , 7, S26-41	21.6	189
104	CellCognition: time-resolved phenotype annotation in high-throughput live cell imaging. <i>Nature Methods</i> , <b>2010</b> , 7, 747-54	21.6	256
103	Live imaging of single nuclear pores reveals unique assembly kinetics and mechanism in interphase. <i>Journal of Cell Biology</i> , <b>2010</b> , 191, 15-22	7.3	110
102	High-throughput microscopy using live mammalian cells. <i>Cold Spring Harbor Protocols</i> , <b>2010</b> , 2010, pdb.top84	1.8	5
101	Automatic identification and clustering of chromosome phenotypes in a genome wide RNAi screen by time-lapse imaging. <i>Journal of Structural Biology</i> , <b>2010</b> , 170, 1-9	3.4	42
100	Systematic analysis of human protein complexes identifies chromosome segregation proteins. <i>Science</i> , <b>2010</b> , 328, 593-9	33.3	419
99	Nuclear import and assembly of influenza A virus RNA polymerase studied in live cells by fluorescence cross-correlation spectroscopy. <i>Journal of Virology</i> , <b>2010</b> , 84, 1254-64	6.6	66
98	Fluorescence perturbation techniques to study mobility and molecular dynamics of proteins in live cells: FRAP, photoactivation, photoconversion, and FLIP. <i>Cold Spring Harbor Protocols</i> , <b>2010</b> , 2010, pdb.top90	1.3	70
97	Automatic analysis of dividing cells in live cell movies to detect mitotic delays and correlate phenotypes in time. <i>Genome Research</i> , <b>2009</b> , 19, 2113-24	9.7	49

96	Molecular crowding affects diffusion and binding of nuclear proteins in heterochromatin and reveals the fractal organization of chromatin. <i>EMBO Journal</i> , <b>2009</b> , 28, 3785-98	13	320
95	RNF168 binds and amplifies ubiquitin conjugates on damaged chromosomes to allow accumulation of repair proteins. <i>Cell</i> , <b>2009</b> , 136, 435-46	56.2	683
94	Formation of the nuclear envelope permeability barrier studied by sequential photoswitching and flux analysis. <i>Biophysical Journal</i> , <b>2009</b> , 97, 1891-7	2.9	21
93	Chromophore-assisted laser inactivation of alpha- and gamma-tubulin SNAP-tag fusion proteins inside living cells. <i>ACS Chemical Biology</i> , <b>2009</b> , 4, 127-38	4.9	36
92	Nuclear pore complex assembly through the cell cycle: regulation and membrane organization. <i>FEBS Letters</i> , <b>2008</b> , 582, 2004-16	3.8	105
91	Sun1 forms immobile macromolecular assemblies at the nuclear envelope. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , <b>2008</b> , 1783, 2415-26	4.9	69
90	A new model for asymmetric spindle positioning in mouse oocytes. <i>Current Biology</i> , <b>2008</b> , 18, 1986-92	6.3	239
89	EML3 is a nuclear microtubule-binding protein required for the correct alignment of chromosomes in metaphase. <i>Journal of Cell Science</i> , <b>2008</b> , 121, 1718-26	5.3	35
88	Systematic kinetic analysis of mitotic dis- and reassembly of the nuclear pore in living cells. <i>Journal of Cell Biology</i> , <b>2008</b> , 180, 857-65	7.3	197
87	Work flow for multiplexing siRNA assays by solid-phase reverse transfection in multiwell plates. <i>Journal of Biomolecular Screening</i> , <b>2008</b> , 13, 575-80		67
86	Maximal chromosome compaction occurs by axial shortening in anaphase and depends on Aurora kinase. <i>Nature Cell Biology</i> , <b>2007</b> , 9, 822-31	23.4	146
85	LambdaN-GFP: an RNA reporter system for live-cell imaging. <i>Nature Methods</i> , <b>2007</b> , 4, 633-6	21.6	178
84	Reverse transfection on cell arrays for high content screening microscopy. <i>Nature Protocols</i> , <b>2007</b> , 2, 392-9	18.8	162
83	Structure and nuclear import function of the C-terminal domain of influenza virus polymerase PB2 subunit. <i>Nature Structural and Molecular Biology</i> , <b>2007</b> , 14, 229-33	17.6	245
82	Nuclear envelope. <i>Current Biology</i> , <b>2007</b> , 17, R154-6	6.3	5
81	Measuring structural dynamics of chromosomes in living cells by fluorescence microscopy. <i>Methods</i> , <b>2007</b> , 41, 158-67	4.6	42
80	Self-organization of MTOCs replaces centrosome function during acentrosomal spindle assembly in live mouse oocytes. <i>Cell</i> , <b>2007</b> , 130, 484-98	56.2	397
79	An RNAi screening platform to identify secretion machinery in mammalian cells. <i>Journal of Biotechnology</i> , <b>2007</b> , 129, 352-65	3.7	47

78	Compensation of global movement for improved tracking of cells in time-lapse confocal microscopy image sequences <b>2007</b> ,		2
77	Condensin I stabilizes chromosomes mechanically through a dynamic interaction in live cells. <i>Current Biology</i> , <b>2006</b> , 16, 333-44	6.3	249
76	Nuclear actin: a lack of export allows formation of filaments. <i>Current Biology</i> , <b>2006</b> , 16, R321-3	6.3	4
75	Live-cell imaging reveals a stable cohesin-chromatin interaction after but not before DNA replication. <i>Current Biology</i> , <b>2006</b> , 16, 1571-8	6.3	245
74	Automated analysis of the mitotic phases of human cells in 3D fluorescence microscopy image sequences. <i>Lecture Notes in Computer Science</i> , <b>2006</b> , 9, 840-8	0.9	21
73	NuSAP, a mitotic RanGTP target that stabilizes and cross-links microtubules. <i>Molecular Biology of the Cell</i> , <b>2006</b> , 17, 2646-60	3.5	93
72	Resolution of chiasmata in oocytes requires separase-mediated proteolysis. <i>Cell</i> , <b>2006</b> , 126, 135-46	56.2	186
71	Monitoring the permeability of the nuclear envelope during the cell cycle. <i>Methods</i> , <b>2006</b> , 38, 17-24	4.6	35
70	Fluorophores for live cell imaging of AGT fusion proteins across the visible spectrum. <i>BioTechniques</i> , <b>2006</b> , 41, 167-70, 172, 174-5	2.5	65
69	Minimizing the risk of reporting false positives in large-scale RNAi screens. <i>Nature Methods</i> , <b>2006</b> , 3, 777-9	2.6	362
68	High-throughput RNAi screening by time-lapse imaging of live human cells. <i>Nature Methods</i> , <b>2006</b> , 3, 385-90	21.6	320
67	High-throughput fluorescence microscopy for systems biology. <i>Nature Reviews Molecular Cell Biology</i> , <b>2006</b> , 7, 690-6	48.7	324
66	Dissecting the contribution of diffusion and interactions to the mobility of nuclear proteins. <i>Biophysical Journal</i> , <b>2006</b> , 90, 1878-94	2.9	149
65	Automated Analysis of Mitotic Phenotypes in Fluorescence Microscopy Images of Human Cells <b>2006</b> , 374-378		1
64	A contractile nuclear actin network drives chromosome congression in oocytes. <i>Nature</i> , <b>2005</b> , 436, 812-8	50.4	186
63	FRET analyses of the U2AF complex localize the U2AF35/U2AF65 interaction in vivo and reveal a novel self-interaction of U2AF35. <i>Rna</i> , <b>2005</b> , 11, 1201-14	5.8	37
62	Distinct functions of condensin I and II in mitotic chromosome assembly. <i>Journal of Cell Science</i> , <b>2004</b> , 117, 6435-45	5.3	272
61	RanBP2/Nup358 provides a major binding site for NXF1-p15 dimers at the nuclear pore complex and functions in nuclear mRNA export. <i>Molecular and Cellular Biology</i> , <b>2004</b> , 24, 1155-67	4.8	79

60	Hypophosphorylated SR splicing factors transiently localize around active nucleolar organizing regions in telophase daughter nuclei. <i>Journal of Cell Biology</i> , <b>2004</b> , 167, 51-63	7.3	50
59	LAP2alpha and BAF transiently localize to telomeres and specific regions on chromatin during nuclear assembly. <i>Journal of Cell Science</i> , <b>2004</b> , 117, 6117-28	5.3	151
58	Calcium rises locally trigger focal adhesion disassembly and enhance residency of focal adhesion kinase at focal adhesions. <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 28715-23	5.4	108
57	Quantitative kinetic analysis of nucleolar breakdown and reassembly during mitosis in live human cells. <i>Journal of Cell Biology</i> , <b>2004</b> , 166, 787-800	7.3	130
56	Automatic identification of subcellular phenotypes on human cell arrays. <i>Genome Research</i> , <b>2004</b> , 14, 1130-6	9.7	166
55	The entire Nup107-160 complex, including three new members, is targeted as one entity to kinetochores in mitosis. <i>Molecular Biology of the Cell</i> , <b>2004</b> , 15, 3333-44	3.5	218
54	Light microscopy of echinoderm embryos. <i>Methods in Cell Biology</i> , <b>2004</b> , 74, 371-409	1.8	37
53	Automatic real-time three-dimensional cell tracking by fluorescence microscopy. <i>Journal of Microscopy</i> , <b>2004</b> , 216, 131-7	1.9	123
52	Mapping the dynamic organization of the nuclear pore complex inside single living cells. <i>Nature Cell Biology</i> , <b>2004</b> , 6, 1114-21	23.4	364
51	Regulation of sister chromatid cohesion between chromosome arms. <i>Current Biology</i> , <b>2004</b> , 14, 1187-93	6.3	188
50	Roles of polo-like kinase 1 in the assembly of functional mitotic spindles. <i>Current Biology</i> , <b>2004</b> , 14, 1712-22	6.3	289
49	Dynamics of nuclear pore complex organization through the cell cycle. <i>Current Opinion in Cell Biology</i> , <b>2004</b> , 16, 314-21	9	81
48	Nuclear envelope dynamics in oocytes: from germinal vesicle breakdown to mitosis. <i>Current Opinion in Cell Biology</i> , <b>2003</b> , 15, 88-95	9	39
47	Dynamics of chromosome positioning during the cell cycle. <i>Current Opinion in Cell Biology</i> , <b>2003</b> , 15, 664-71	5.1	24
46	Global chromosome positions are transmitted through mitosis in mammalian cells. <i>Cell</i> , <b>2003</b> , 112, 751-64	16.2	237
45	Cyclic, proteasome-mediated turnover of unliganded and liganded ERalpha on responsive promoters is an integral feature of estrogen signaling. <i>Molecular Cell</i> , <b>2003</b> , 11, 695-707	17.6	625
44	NuSAP, a novel microtubule-associated protein involved in mitotic spindle organization. <i>Journal of Cell Biology</i> , <b>2003</b> , 162, 1017-29	7.3	149
43	Nuclear envelope breakdown in starfish oocytes proceeds by partial NPC disassembly followed by a rapidly spreading fenestration of nuclear membranes. <i>Journal of Cell Biology</i> , <b>2003</b> , 160, 1055-68	7.3	126

42	4D imaging to assay complex dynamics in live specimens. <i>Nature Cell Biology</i> , <b>2003</b> , Suppl, S14-9	23.4	22
41	Remodelling the walls of the nucleus. <i>Nature Reviews Molecular Cell Biology</i> , <b>2002</b> , 3, 487-97	48.7	184
40	Ribonucleoprotein-dependent localization of the yeast class V myosin Myo4p. <i>Journal of Cell Biology</i> , <b>2002</b> , 159, 971-82	7.3	61
39	Chromosomal association of Ran during meiotic and mitotic divisions. <i>Journal of Cell Science</i> , <b>2002</b> , 115, 4685-93	5.3	19
38	Nuclear envelope breakdown proceeds by microtubule-induced tearing of the lamina. <i>Cell</i> , <b>2002</b> , 108, 83-96	56.2	371
37	Histone H3 phosphorylation during <i>Xenopus</i> oocyte maturation: regulation by the MAP kinase/p90Rsk pathway and uncoupling from DNA condensation. <i>FEBS Letters</i> , <b>2002</b> , 518, 23-8	3.8	22
36	Dynamics of Nuclear Envelope Proteins During the Cell Cycle in Mammalian Cells <b>2002</b> , 15-28		1
35	Four-dimensional imaging and quantitative reconstruction to analyse complex spatiotemporal processes in live cells. <i>Nature Cell Biology</i> , <b>2001</b> , 3, 852-5	23.4	89
34	Nucleocytoplasmic transport: diffusion channel or phase transition?. <i>Current Biology</i> , <b>2001</b> , 11, R551-4	6.3	21
33	An evolutionarily conserved NPC subcomplex, which redistributes in part to kinetochores in mammalian cells. <i>Journal of Cell Biology</i> , <b>2001</b> , 154, 1147-60	7.3	276
32	Nuclear pore complexes form immobile networks and have a very low turnover in live mammalian cells. <i>Journal of Cell Biology</i> , <b>2001</b> , 154, 71-84	7.3	340
31	A new model for nuclear envelope breakdown. <i>Molecular Biology of the Cell</i> , <b>2001</b> , 12, 503-10	3.5	81
30	A bromodomain protein, MCAP, associates with mitotic chromosomes and affects G(2)-to-M transition. <i>Molecular and Cellular Biology</i> , <b>2000</b> , 20, 6537-49	4.8	233
29	Dynamics and retention of misfolded proteins in native ER membranes. <i>Nature Cell Biology</i> , <b>2000</b> , 2, 288-95	23.4	232
28	A Bromodomain Protein, MCAP, Associates with Mitotic Chromosomes and Affects G2-to-M Transition. <i>Molecular and Cellular Biology</i> , <b>2000</b> , 20, 6537-6549	4.8	3
27	Dual-colour imaging with GFP variants. <i>Trends in Cell Biology</i> , <b>1999</b> , 9, 52-6	18.3	148
26	Golgi membranes are absorbed into and reemerge from the ER during mitosis. <i>Cell</i> , <b>1999</b> , 99, 589-601	56.2	295
25	Dynamics and mobility of nuclear envelope proteins in interphase and mitotic cells revealed by green fluorescent protein chimeras. <i>Methods</i> , <b>1999</b> , 19, 362-72	4.6	53

24	Kinetic analysis of secretory protein traffic and characterization of golgi to plasma membrane transport intermediates in living cells. <i>Journal of Cell Biology</i> , <b>1998</b> , 143, 1485-503	7.3	510
23	ZAP-70 association with T cell receptor zeta (TCRzeta): fluorescence imaging of dynamic changes upon cellular stimulation. <i>Journal of Cell Biology</i> , <b>1998</b> , 143, 613-24	7.3	52
22	Retrograde transport of Golgi-localized proteins to the ER. <i>Journal of Cell Biology</i> , <b>1998</b> , 140, 1-15	7.3	213
21	Two-color green fluorescent protein time-lapse imaging. <i>BioTechniques</i> , <b>1998</b> , 25, 838-42, 844-6	2.5	58
20	The transmembrane domain of a carboxyl-terminal anchored protein determines localization to the endoplasmic reticulum. <i>Journal of Biological Chemistry</i> , <b>1997</b> , 272, 1970-5	5.4	112
19	Nuclear membrane dynamics and reassembly in living cells: targeting of an inner nuclear membrane protein in interphase and mitosis. <i>Journal of Cell Biology</i> , <b>1997</b> , 138, 1193-206	7.3	667
18	Molecular basis for the interaction of [Nle4,D-Phe7]melanocyte stimulating hormone with the human melanocortin-1 receptor. <i>Journal of Biological Chemistry</i> , <b>1997</b> , 272, 23000-10	5.4	113
17	A quantitative map of human Condensins provides new insights into mitotic chromosome architecture		2
16	Real-time chromatin dynamics at the single gene level during transcription activation		2
15	ChromoTrace: Computational Reconstruction of 3D Chromosome Configurations for Super-Resolution Microscopy		1
14	Fast, robust and precise 3D localization for arbitrary point spread functions		1
13	CTCF, WAPL and PDS5 proteins control the formation of TADs and loops by cohesin		8
12	Generation and validation of homozygous fluorescent knock-in cells using CRISPR/Cas9 genome editing		4
11	Quantitative mapping of fluorescently tagged cellular proteins using FCS-calibrated four dimensional imaging		4
10	Non-rodent mammalian zygotes assemble dual spindles despite the presence of paternal centrosomes		3
9	3D super-resolution fluorescence microscopy maps the variable molecular architecture of the Nuclear Pore Complex		1
8	Experimental and computational framework for a dynamic protein atlas of human cell division		3
7	Nuclear pores as versatile reference standards for quantitative superresolution microscopy		4

6	Chemogenetic Control of Nanobodies	3
5	MINFLUX nanoscopy delivers multicolor nanometer 3D-resolution in (living) cells	4
4	Dual spindle formation in zygotes keeps parental genomes apart in early mammalian embryos	1
3	Visualization of loop extrusion by DNA nanoscale tracing in single human cells	4
2	A quantitative map of nuclear pore assembly reveals two distinct mechanisms	2
1	Rapid generation of homozygous fluorescent knock-in human cells using CRISPR/Cas9 genome editing and validation by automated imaging and digital PCR screening	1