

William Charles Earnshaw

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.

281
papers

33,638
citations

96
h-index

179
g-index

359
ext. papers

36,148
ext. citations

10.4
avg, IF

7.12
L-index

#	Paper	IF	Citations
281	Mapping the invisible chromatin transactions of prophase chromosome remodeling.. <i>Molecular Cell</i> , 2022 ,	17.6	1
280	Terpyridine platinum compounds induce telomere dysfunction and chromosome instability in cancer cells. <i>Oncotarget</i> , 2021 , 12, 1444-1456	3.3	0
279	The intrinsically disorderly story of Ki-67. <i>Open Biology</i> , 2021 , 11, 210120	7	3
278	Mitotic chromosomes. <i>Seminars in Cell and Developmental Biology</i> , 2021 , 117, 7-29	7.5	10
277	Analysis of Complex DNA Rearrangements during Early Stages of HAC Formation. <i>ACS Synthetic Biology</i> , 2020 , 9, 3267-3287	5.7	1
276	H3K9me3 maintenance on a human artificial chromosome is required for segregation but not centromere epigenetic memory. <i>Journal of Cell Science</i> , 2020 , 133,	5.3	6
275	Common Fragile Sites Are Characterized by Faulty Condensin Loading after Replication Stress. <i>Cell Reports</i> , 2020 , 32, 108177	10.6	11
274	CENP-B creates alternative epigenetic chromatin states permissive for CENP-A or heterochromatin assembly. <i>Journal of Cell Science</i> , 2020 , 133,	5.3	15
273	APC/C is required for the termination of chromosomal passenger complex activity upon mitotic exit. <i>Journal of Cell Science</i> , 2020 , 133,	5.3	2
272	A novel assay to screen siRNA libraries identifies protein kinases required for chromosome transmission. <i>Genome Research</i> , 2019 , 29, 1719-1732	9.7	5
271	In vitro BioID: mapping the CENP-A microenvironment with high temporal and spatial resolution. <i>Molecular Biology of the Cell</i> , 2019 , 30, 1314-1325	3.5	9
270	Borealin-nucleosome interaction secures chromosome association of the chromosomal passenger complex. <i>Journal of Cell Biology</i> , 2019 , 218, 3912-3925	7.3	15
269	De novo formation and epigenetic maintenance of centromere chromatin. <i>Current Opinion in Cell Biology</i> , 2019 , 58, 15-25	9	14
268	HP1 targets the chromosomal passenger complex for activation at heterochromatin before mitotic entry. <i>EMBO Journal</i> , 2018 , 37,	13	25
267	Mps1 Phosphorylates Its N-Terminal Extension to Relieve Autoinhibition and Activate the Spindle Assembly Checkpoint. <i>Current Biology</i> , 2018 , 28, 872-883.e5	6.3	14
266	Seh1 targets GATOR2 and Nup153 to mitotic chromosomes. <i>Journal of Cell Science</i> , 2018 , 131,	5.3	8
265	A pathway for mitotic chromosome formation. <i>Science</i> , 2018 , 359,	33.3	352

264	Functional analysis after rapid degradation of condensins and 3D-EM reveals chromatin volume is uncoupled from chromosome architecture in mitosis. <i>Journal of Cell Science</i> , 2018 , 131,	5.3	24
263	Generation of a Synthetic Human Chromosome with Two Centromeric Domains for Advanced Epigenetic Engineering Studies. <i>ACS Synthetic Biology</i> , 2018 , 7, 1116-1130	5.7	11
262	A DHODH inhibitor increases p53 synthesis and enhances tumor cell killing by p53 degradation blockage. <i>Nature Communications</i> , 2018 , 9, 1107	17.4	38
261	Human Artificial Chromosome with Regulated Centromere: A Tool for Genome and Cancer Studies. <i>ACS Synthetic Biology</i> , 2018 , 7, 1974-1989	5.7	16
260	An intrinsic S/G checkpoint enforced by ATR. <i>Science</i> , 2018 , 361, 806-810	33.3	129
259	Isolation of mitotic chromosomes from vertebrate cells and characterization of their proteome by mass spectrometry. <i>Methods in Cell Biology</i> , 2018 , 144, 329-348	1.8	2
258	Method to Assemble Genomic DNA Fragments or Genes on Human Artificial Chromosome with Regulated Kinetochore Using a Multi-Integrase System. <i>ACS Synthetic Biology</i> , 2018 , 7, 63-74	5.7	13
257	Two Interlinked Bistable Switches Govern Mitotic Control in Mammalian Cells. <i>Current Biology</i> , 2018 , 28, 3824-3832.e6	6.3	32
256	Systematic Analysis of Compounds Specifically Targeting Telomeres and Telomerase for Clinical Implications in Cancer Therapy. <i>Cancer Research</i> , 2018 , 78, 6282-6296	10.1	16
255	Nano Random Forests to mine protein complexes and their relationships in quantitative proteomics data. <i>Molecular Biology of the Cell</i> , 2017 , 28, 673-680	3.5	9
254	Stepwise unfolding supports a subunit model for vertebrate kinetochores. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 3133-3138	11.5	10
253	Molecular basis for Cdk1-regulated timing of Mis18 complex assembly and CENP-A deposition. <i>EMBO Reports</i> , 2017 , 18, 894-905	6.5	29
252	Ki-67 and the Chromosome Periphery Compartment in Mitosis. <i>Trends in Cell Biology</i> , 2017 , 27, 906-916	18.3	35
251	Mitotic post-translational modifications of histones promote chromatin compaction. <i>Open Biology</i> , 2017 , 7,	7	27
250	Using human artificial chromosomes to study centromere assembly and function. <i>Chromosoma</i> , 2017 , 126, 559-575	2.8	16
249	Use of Mass Spectrometry to Study the Centromere and Kinetochore. <i>Progress in Molecular and Subcellular Biology</i> , 2017 , 56, 3-27	3	3
248	KAT7/HBO1/MYST2 Regulates CENP-A Chromatin Assembly by Antagonizing Suv39h1-Mediated Centromere Inactivation. <i>Developmental Cell</i> , 2016 , 37, 413-27	10.2	65
247	Epigenetic engineering reveals a balance between histone modifications and transcription in kinetochore maintenance. <i>Nature Communications</i> , 2016 , 7, 13334	17.4	52

246	3D-CLEM Reveals that a Major Portion of Mitotic Chromosomes Is Not Chromatin. <i>Molecular Cell</i> , 2016 , 64, 790-802	17.6	60
245	Auxin/AID versus conventional knockouts: distinguishing the roles of CENP-T/W in mitotic kinetochore assembly and stability. <i>Open Biology</i> , 2016 , 6, 150230	7	17
244	Epigenetic engineering shows that a human centromere resists silencing mediated by H3K27me3/K9me3. <i>Molecular Biology of the Cell</i> , 2016 , 27, 177-96	3.5	21
243	Development of a novel HAC-based "gain of signal" quantitative assay for measuring chromosome instability (CIN) in cancer cells. <i>Oncotarget</i> , 2016 , 7, 14841-56	3.3	21
242	PREditOR: a synthetic biology approach to removing heterochromatin from cells. <i>Chromosome Research</i> , 2016 , 24, 495-509	4.4	10
241	Proteomics Analysis with a Nano Random Forest Approach Reveals Novel Functional Interactions Regulated by SMC Complexes on Mitotic Chromosomes. <i>Molecular and Cellular Proteomics</i> , 2016 , 15, 2802-18	7.6	16
240	Genetic and epigenetic regulation of centromeres: a look at HAC formation. <i>Chromosome Research</i> , 2015 , 23, 87-103	4.4	24
239	Generation of a conditionally self-eliminating HAC gene delivery vector through incorporation of a tTAVP64 expression cassette. <i>Nucleic Acids Research</i> , 2015 , 43, e57	20.1	12
238	Mio depletion links mTOR regulation to Aurora A and Plk1 activation at mitotic centrosomes. <i>Journal of Cell Biology</i> , 2015 , 210, 45-62	7.3	14
237	CENP-32 is required to maintain centrosomal dominance in bipolar spindle assembly. <i>Molecular Biology of the Cell</i> , 2015 , 26, 1225-37	3.5	5
236	Aurora B Overexpression Causes Aneuploidy and p21Cip1 Repression during Tumor Development. <i>Molecular and Cellular Biology</i> , 2015 , 35, 3566-78	4.8	62
235	TD-60 links RalA GTPase function to the CPC in mitosis. <i>Nature Communications</i> , 2015 , 6, 7678	17.4	30
234	The Inner Centromere Protein (INCENP) Coil Is a Single Helix (SAH) Domain That Binds Directly to Microtubules and Is Important for Chromosome Passenger Complex (CPC) Localization and Function in Mitosis. <i>Journal of Biological Chemistry</i> , 2015 , 290, 21460-72	5.4	46
233	Three-dimensional topology of the SMC2/SMC4 subcomplex from chicken condensin I revealed by cross-linking and molecular modelling. <i>Open Biology</i> , 2015 , 5, 150005	7	42
232	CENP-C and CENP-I are key connecting factors for kinetochore and CENP-A assembly. <i>Journal of Cell Science</i> , 2015 , 128, 4572-87	5.3	42
231	The Dawn of Aurora Kinase Research: From Fly Genetics to the Clinic. <i>Frontiers in Cell and Developmental Biology</i> , 2015 , 3, 73	5.7	25
230	Discovering centromere proteins: from cold white hands to the A, B, C of CENPs. <i>Nature Reviews Molecular Cell Biology</i> , 2015 , 16, 443-9	48.7	38
229	Whole-proteome genetic analysis of dependencies in assembly of a vertebrate kinetochore. <i>Journal of Cell Biology</i> , 2015 , 211, 1141-56	7.3	33

228	Panspecies small-molecule disruptors of heterochromatin-mediated transcriptional gene silencing. <i>Molecular and Cellular Biology</i> , 2015 , 35, 662-74	4.8	2
227	Reed-Sternberg cells form by abscission failure in the presence of functional Aurora B kinase. <i>PLoS ONE</i> , 2015 , 10, e0124629	3.7	11
226	Human artificial chromosome-based gene delivery vectors for biomedicine and biotechnology. <i>Expert Opinion on Drug Delivery</i> , 2014 , 11, 517-35	8	49
225	Auxin-induced rapid degradation of inhibitor of caspase-activated DNase (ICAD) induces apoptotic DNA fragmentation, caspase activation, and cell death: a cell suicide module. <i>Journal of Biological Chemistry</i> , 2014 , 289, 31617-23	5.4	23
224	The centromere: chromatin foundation for the kinetochore machinery. <i>Developmental Cell</i> , 2014 , 30, 496-508	10.2	268
223	Neocentromeres. <i>Current Biology</i> , 2014 , 24, R946-7	6.3	13
222	Histone H4 Lys 20 monomethylation of the CENP-A nucleosome is essential for kinetochore assembly. <i>Developmental Cell</i> , 2014 , 29, 740-9	10.2	77
221	DNA content of a functioning chicken kinetochore. <i>Chromosome Research</i> , 2014 , 22, 7-13	4.4	7
220	Centromeres 2014 ,		1
219	Polo kinase regulates the localization and activity of the chromosomal passenger complex in meiosis and mitosis in <i>Drosophila melanogaster</i> . <i>Open Biology</i> , 2014 , 4, 140162	7	10
218	Targeting the INCENP IN-box-Aurora B interaction to inhibit CPC activity in vivo. <i>Open Biology</i> , 2014 , 4, 140163	7	20
217	A portable BRCA1-HAC (human artificial chromosome) module for analysis of BRCA1 tumor suppressor function. <i>Nucleic Acids Research</i> , 2014 , 42,	20.1	26
216	Replication of alpha-satellite DNA arrays in endogenous human centromeric regions and in human artificial chromosome. <i>Nucleic Acids Research</i> , 2014 , 42, 11502-16	20.1	31
215	Ki-67 is a PP1-interacting protein that organises the mitotic chromosome periphery. <i>ELife</i> , 2014 , 3, e016419	4.1	110
214	Protecting a transgene expression from the HAC-based vector by different chromatin insulators. <i>Cellular and Molecular Life Sciences</i> , 2013 , 70, 3723-37	10.3	20
213	A new assay for measuring chromosome instability (CIN) and identification of drugs that elevate CIN in cancer cells. <i>BMC Cancer</i> , 2013 , 13, 252	4.8	29
212	Condensin I associates with structural and gene regulatory regions in vertebrate chromosomes. <i>Nature Communications</i> , 2013 , 4, 2537	17.4	51
211	CENP-A and the CENP nomenclature: response to Talbert and Henikoff. <i>Trends in Genetics</i> , 2013 , 29, 500-2	8.5	5

210	Chromosome engineering allows the efficient isolation of vertebrate neocentromeres. <i>Developmental Cell</i> , 2013 , 24, 635-48	10.2	129
209	A new generation of human artificial chromosomes for functional genomics and gene therapy. <i>Cellular and Molecular Life Sciences</i> , 2013 , 70, 1135-48	10.3	57
208	Deducing protein function by forensic integrative cell biology. <i>PLoS Biology</i> , 2013 , 11, e1001742	9.7	5
207	Nap1 regulates proper CENP-B binding to nucleosomes. <i>Nucleic Acids Research</i> , 2013 , 41, 2869-80	20.1	17
206	Re-engineering an alphoid(tetO)-HAC-based vector to enable high-throughput analyses of gene function. <i>Nucleic Acids Research</i> , 2013 , 41, e107	20.1	14
205	Mitotic chromosomes are compacted laterally by KIF4 and condensin and axially by topoisomerase IIβ. <i>Journal of Cell Biology</i> , 2012 , 199, 755-70	7.3	118
204	The chromosomal passenger complex (CPC): from easy rider to the godfather of mitosis. <i>Nature Reviews Molecular Cell Biology</i> , 2012 , 13, 789-803	48.7	552
203	Organization of synthetic alphoid DNA array in human artificial chromosome (HAC) with a conditional centromere. <i>ACS Synthetic Biology</i> , 2012 , 1, 590-601	5.7	38
202	HACKing the centromere chromatin code: insights from human artificial chromosomes. <i>Chromosome Research</i> , 2012 , 20, 505-19	4.4	35
201	Breaking the HAC Barrier: histone H3K9 acetyl/methyl balance regulates CENP-A assembly. <i>EMBO Journal</i> , 2012 , 31, 2391-402	13	123
200	The chromosomal passenger complex activates Polo kinase at centromeres. <i>PLoS Biology</i> , 2012 , 10, e1001750	9.7	84
199	Contrasting roles of condensin I and condensin II in mitotic chromosome formation. <i>Journal of Cell Science</i> , 2012 , 125, 1591-604	5.3	121
198	Repo-Man-PP1: a link between chromatin remodelling and nuclear envelope reassembly. <i>Nucleus</i> , 2012 , 3, 138-42	3.9	24
197	Epigenetic engineering: histone H3K9 acetylation is compatible with kinetochore structure and function. <i>Journal of Cell Science</i> , 2012 , 125, 411-21	5.3	80
196	Repo-Man coordinates chromosomal reorganization with nuclear envelope reassembly during mitotic exit. <i>Developmental Cell</i> , 2011 , 21, 328-42	10.2	139
195	Epigenetic engineering shows H3K4me2 is required for HJURP targeting and CENP-A assembly on a synthetic human kinetochore. <i>EMBO Journal</i> , 2011 , 30, 328-40	13	226
194	Super-resolution fluorescence microscopy as a tool to study the nanoscale organization of chromosomes. <i>Current Opinion in Chemical Biology</i> , 2011 , 15, 838-44	9.7	41
193	Building mitotic chromosomes. <i>Current Opinion in Cell Biology</i> , 2011 , 23, 114-21	9	31

192	Human artificial chromosome (HAC) vector with a conditional centromere for correction of genetic deficiencies in human cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 20048-53	11.5	58
191	SUMOylation modulates the function of Aurora-B kinase. <i>Journal of Cell Science</i> , 2010 , 123, 2823-33	5.3	54
190	Vertebrate cells genetically deficient for Cdc14A or Cdc14B retain DNA damage checkpoint proficiency but are impaired in DNA repair. <i>Journal of Cell Biology</i> , 2010 , 189, 631-9	7.3	84
189	A super-resolution map of the vertebrate kinetochore. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 10484-9	11.5	157
188	Gradient of increasing Aurora B kinase activity is required for cells to execute mitosis. <i>Journal of Biological Chemistry</i> , 2010 , 285, 40163-70	5.4	21
187	Human artificial chromosome with a conditional centromere for gene delivery and gene expression. <i>DNA Research</i> , 2010 , 17, 293-301	4.5	51
186	The protein composition of mitotic chromosomes determined using multiclassifier combinatorial proteomics. <i>Cell</i> , 2010 , 142, 810-21	56.2	217
185	Use of DT40 conditional-knockout cell lines to study chromosomal passenger protein function. <i>Biochemical Society Transactions</i> , 2010 , 38, 1655-9	5.1	1
184	Acetylation of core histones in response to HDAC inhibitors is diminished in mitotic HeLa cells. <i>Experimental Cell Research</i> , 2010 , 316, 2123-35	4.2	12
183	Condensin regulates the stiffness of vertebrate centromeres. <i>Molecular Biology of the Cell</i> , 2009 , 20, 2371-80	3.5	111
182	Hierarchical inactivation of a synthetic human kinetochore by a chromatin modifier. <i>Molecular Biology of the Cell</i> , 2009 , 20, 4194-204	3.5	64
181	INCENP-aurora B interactions modulate kinase activity and chromosome passenger complex localization. <i>Journal of Cell Biology</i> , 2009 , 187, 637-53	7.3	58
180	Making the Auroras glow: regulation of Aurora A and B kinase function by interacting proteins. <i>Current Opinion in Cell Biology</i> , 2009 , 21, 796-805	9	265
179	Condensin: Architect of mitotic chromosomes. <i>Chromosome Research</i> , 2009 , 17, 131-44	4.4	109
178	Effects of full-length borealin on the composition and protein-protein interaction activity of a binary chromosomal passenger complex. <i>Biochemistry</i> , 2009 , 48, 1156-61	3.2	6
177	CENP-V is required for centromere organization, chromosome alignment and cytokinesis. <i>EMBO Journal</i> , 2008 , 27, 2510-22	13	22
176	Mutations in pericentrin cause Seckel syndrome with defective ATR-dependent DNA damage signaling. <i>Nature Genetics</i> , 2008 , 40, 232-6	36.3	258
175	Apoptosis-associated caspase activation assays. <i>Methods</i> , 2008 , 44, 262-72	4.6	63

174	Inactivation of a human kinetochore by specific targeting of chromatin modifiers. <i>Developmental Cell</i> , 2008 , 14, 507-22	10.2	209
173	Deconstructing Survivin: comprehensive genetic analysis of Survivin function by conditional knockout in a vertebrate cell line. <i>Journal of Cell Biology</i> , 2008 , 183, 279-96	7.3	83
172	A promoter-hijack strategy for conditional shutdown of multiply spliced essential cell cycle genes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 2457-62	11.5	19
171	Molecular and genetic analysis of condensin function in vertebrate cells. <i>Molecular Biology of the Cell</i> , 2008 , 19, 3070-9	3.5	50
170	Dual roles of Incenp crucial to the assembly of the acentrosomal metaphase spindle in female meiosis. <i>Development (Cambridge)</i> , 2008 , 135, 3239-46	6.6	48
169	Chromosomal passengers: conducting cell division. <i>Nature Reviews Molecular Cell Biology</i> , 2007 , 8, 798-812	18.7	660
168	Three distinct stages of apoptotic nuclear condensation revealed by time-lapse imaging, biochemical and electron microscopy analysis of cell-free apoptosis. <i>Experimental Cell Research</i> , 2007 , 313, 3635-44	4.2	136
167	Genetic analysis of the short splice variant of the inhibitor of caspase-activated DNase (ICAD-S) in chicken DT40 cells. <i>Journal of Biological Chemistry</i> , 2007 , 282, 27374-27382	5.4	10
166	Death receptor-induced apoptosis reveals a novel interplay between the chromosomal passenger complex and CENP-C during interphase. <i>Molecular Biology of the Cell</i> , 2007 , 18, 1337-47	3.5	13
165	Autoantibodies against the chromosomal passenger protein INCENP found in a patient with Graham Little-Piccardi-Lassueur syndrome. <i>Journal of Autoimmune Diseases</i> , 2007 , 4, 1		10
164	The chromosomal passenger complex: one for all and all for one. <i>Cell</i> , 2007 , 131, 230-1	56.2	75
163	Chk1 is required for spindle checkpoint function. <i>Developmental Cell</i> , 2007 , 12, 247-60	10.2	197
162	Drosophila Incenp is required for cytokinesis and asymmetric cell division during development of the nervous system. <i>Journal of Cell Science</i> , 2006 , 119, 1144-53	5.3	16
161	Mammalian CLASP1 and CLASP2 cooperate to ensure mitotic fidelity by regulating spindle and kinetochore function. <i>Molecular Biology of the Cell</i> , 2006 , 17, 4526-42	3.5	90
160	Synthesis of novel caspase inhibitors for characterization of the active caspase proteome in vitro and in vivo. <i>Journal of Medicinal Chemistry</i> , 2006 , 49, 7636-45	8.3	8
159	INCENP and Aurora B promote meiotic sister chromatid cohesion through localization of the Shugoshin MEI-S332 in Drosophila. <i>Developmental Cell</i> , 2006 , 11, 57-68	10.2	107
158	Condensin I interacts with the PARP-1-XRCC1 complex and functions in DNA single-strand break repair. <i>Molecular Cell</i> , 2006 , 21, 837-48	17.6	110
157	Condensin and Repo-Man-PP1 co-operate in the regulation of chromosome architecture during mitosis. <i>Nature Cell Biology</i> , 2006 , 8, 1133-42	23.4	179

156	Vascular smooth muscle cell polyploidization involves changes in chromosome passenger proteins and an endomitotic cell cycle. <i>Experimental Cell Research</i> , 2005 , 305, 277-91	4.2	29
155	CENP-A is required for accurate chromosome segregation and sustained kinetochore association of BubR1. <i>Molecular and Cellular Biology</i> , 2005 , 25, 3967-81	4.8	144
154	Trashing the genome: the role of nucleases during apoptosis. <i>Nature Reviews Molecular Cell Biology</i> , 2005 , 6, 677-88	48.7	225
153	Shugoshin: a centromeric guardian senses tension. <i>BioEssays</i> , 2005 , 27, 588-91	4.1	9
152	Novel components of human mitotic chromosomes identified by proteomic analysis of the chromosome scaffold fraction. <i>Chromosoma</i> , 2005 , 113, 385-97	2.8	51
151	Cell biology. Keeping survivin nimble at centromeres in mitosis. <i>Science</i> , 2005 , 310, 1443-4	33.3	8
150	Aurora-B phosphorylation in vitro identifies a residue of survivin that is essential for its localization and binding to inner centromere protein (INCENP) in vivo. <i>Journal of Biological Chemistry</i> , 2004 , 279, 5655-60	5.4	105
149	Borealin: a novel chromosomal passenger required for stability of the bipolar mitotic spindle. <i>Journal of Cell Biology</i> , 2004 , 166, 179-91	7.3	346
148	Caspase-7 gene disruption reveals an involvement of the enzyme during the early stages of apoptosis. <i>Journal of Biological Chemistry</i> , 2004 , 279, 1030-9	5.4	31
147	Essential roles of KIF4 and its binding partner PRC1 in organized central spindle midzone formation. <i>EMBO Journal</i> , 2004 , 23, 3237-48	13	248
146	Centrosome amplification induced by DNA damage occurs during a prolonged G2 phase and involves ATM. <i>EMBO Journal</i> , 2004 , 23, 3864-73	13	162
145	Analysis of Scc1-deficient cells defines a key metaphase role of vertebrate cohesin in linking sister kinetochores. <i>EMBO Reports</i> , 2004 , 5, 167-71	6.5	64
144	Sgt1 is required for human kinetochore assembly. <i>EMBO Reports</i> , 2004 , 5, 626-31	6.5	71
143	Chromosomal passengers: the four-dimensional regulation of mitotic events. <i>Chromosoma</i> , 2004 , 113, 211-22	2.8	277
142	Aurora-C kinase is a novel chromosomal passenger protein that can complement Aurora-B kinase function in mitotic cells. <i>Cytoskeleton</i> , 2004 , 59, 249-63		210
141	The dynamic kinetochore-microtubule interface. <i>Journal of Cell Science</i> , 2004 , 117, 5461-77	5.3	319
140	Mitotic chromosome formation and the condensin paradox. <i>Experimental Cell Research</i> , 2004 , 296, 35-42	4.2	57
139	Dynamic relocalization of the chromosomal passenger complex proteins inner centromere protein (INCENP) and aurora-B kinase during male mouse meiosis. <i>Journal of Cell Science</i> , 2003 , 116, 961-74	5.3	61

138	A perfect funeral with no corpse. <i>Journal of Cell Biology</i> , 2003 , 160, 989-90	7.3	2
137	How do kinetochores CLASP dynamic microtubules?. <i>Cell Cycle</i> , 2003 , 2, 511-4	4.7	19
136	Dissecting mitosis by RNAi in Drosophila tissue culture cells. <i>Biological Procedures Online</i> , 2003 , 5, 153-161	6.3	32
135	The cellular geography of aurora kinases. <i>Nature Reviews Molecular Cell Biology</i> , 2003 , 4, 842-54	48.7	936
134	Apoptotic phosphorylation of histone H2B is mediated by mammalian sterile twenty kinase. <i>Cell</i> , 2003 , 113, 507-17	56.2	406
133	Human CLASP1 is an outer kinetochore component that regulates spindle microtubule dynamics. <i>Cell</i> , 2003 , 113, 891-904	56.2	177
132	Condensin is required for nonhistone protein assembly and structural integrity of vertebrate mitotic chromosomes. <i>Developmental Cell</i> , 2003 , 5, 323-36	10.2	230
131	Survivin is required for stable checkpoint activation in taxol-treated HeLa cells. <i>Journal of Cell Science</i> , 2003 , 116, 2987-98	5.3	276
130	RNAi analysis reveals an unexpected role for topoisomerase II in chromosome arm congression to a metaphase plate. <i>Journal of Cell Science</i> , 2003 , 116, 4715-26	5.3	69
129	Reverse genetics of essential genes in tissue-culture cells: Read cells talking. <i>Trends in Cell Biology</i> , 2002 , 12, 281-7	18.3	37
128	Caspase-6 gene disruption reveals a requirement for lamin A cleavage in apoptotic chromatin condensation. <i>EMBO Journal</i> , 2002 , 21, 1967-77	13	197
127	Co-localization of centromere activity, proteins and topoisomerase II within a subdomain of the major human X alpha-satellite array. <i>EMBO Journal</i> , 2002 , 21, 5269-80	13	89
126	Lack of correlation between caspase activation and caspase activity assays in paclitaxel-treated MCF-7 breast cancer cells. <i>Journal of Biological Chemistry</i> , 2002 , 277, 804-15	5.4	55
125	Proteomic analysis of human metaphase chromosomes reveals topoisomerase II alpha as an Aurora B substrate. <i>Nucleic Acids Research</i> , 2002 , 30, 5318-27	20.1	58
124	MAST/Orbit has a role in microtubule-kinetochore attachment and is essential for chromosome alignment and maintenance of spindle bipolarity. <i>Journal of Cell Biology</i> , 2002 , 157, 749-60	7.3	111
123	Efficiency of de novo centromere formation in human artificial chromosomes. <i>Genomics</i> , 2002 , 79, 297-304	4.5	68
122	In vivo functional dissection of human inner kinetochore protein CENP-C. <i>Journal of Structural Biology</i> , 2002 , 140, 39-48	3.4	31
121	CENP-I is essential for centromere function in vertebrate cells. <i>Developmental Cell</i> , 2002 , 2, 463-76	10.2	121

120	Kinetochore localisation of the DNA damage response component 53BP1 during mitosis. <i>Journal of Cell Science</i> , 2002 , 115, 71-79	5.3	62
119	CENP-C binds the alpha-satellite DNA in vivo at specific centromere domains. <i>Journal of Cell Science</i> , 2002 , 115, 2317-2327	5.3	50
118	Identification and analysis of caspase substrates: proteolytic cleavage of poly(ADP-ribose)polymerase and DNA fragmentation factor 45. <i>Methods in Cell Biology</i> , 2001 , 66, 289-306 ^{1,8}	1.8	6
117	Human INCENP colocalizes with the Aurora-B/AIRK2 kinase on chromosomes and is overexpressed in tumour cells. <i>Chromosoma</i> , 2001 , 110, 65-74	2.8	89
116	INCENP loss from an inactive centromere correlates with the loss of sister chromatid cohesion. <i>Chromosoma</i> , 2001 , 110, 393-401	2.8	20
115	INCENP is required for proper targeting of Survivin to the centromeres and the anaphase spindle during mitosis. <i>Current Biology</i> , 2001 , 11, 886-90	6.3	230
114	Chromosomal passengers. <i>Current Biology</i> , 2001 , 11, R683	6.3	3
113	Chromosomal passengers and the (aurora) ABCs of mitosis. <i>Trends in Cell Biology</i> , 2001 , 11, 49-54	18.3	468
112	Essential roles of Drosophila inner centromere protein (INCENP) and aurora B in histone H3 phosphorylation, metaphase chromosome alignment, kinetochore disjunction, and chromosome segregation. <i>Journal of Cell Biology</i> , 2001 , 153, 865-80	7.3	405
111	Chromatin-associated protein phosphatase 1 regulates aurora-B and histone H3 phosphorylation. <i>Journal of Biological Chemistry</i> , 2001 , 276, 26656-65	5.4	201
110	CAD/DFF40 nuclease is dispensable for high molecular weight DNA cleavage and stage I chromatin condensation in apoptosis. <i>Journal of Biological Chemistry</i> , 2001 , 276, 45427-32	5.4	87
109	Analysis of caspase activation during apoptosis. <i>Current Protocols in Cell Biology</i> , 2001 , Chapter 18, Unit 18.2	2.3	6
108	INCENP binds directly to tubulin and requires dynamic microtubules to target to the cleavage furrow. <i>Experimental Cell Research</i> , 2001 , 262, 122-7	4.2	67
107	Functional complementation of a genetic deficiency with human artificial chromosomes. <i>American Journal of Human Genetics</i> , 2001 , 69, 315-26	11	88
106	Scc1/Rad21/Mcd1 is required for sister chromatid cohesion and kinetochore function in vertebrate cells. <i>Developmental Cell</i> , 2001 , 1, 759-70	10.2	236
105	Specification of kinetochore-forming chromatin by the histone H3 variant CENP-A. <i>Journal of Cell Science</i> , 2001 , 114, 3529-3542	5.3	211
104	DNA topoisomerase IIalpha interacts with CAD nuclease and is involved in chromatin condensation during apoptotic execution. <i>Current Biology</i> , 2000 , 10, 923-6	6.3	127
103	INCENP binds the Aurora-related kinase AIRK2 and is required to target it to chromosomes, the central spindle and cleavage furrow. <i>Current Biology</i> , 2000 , 10, 1075-8	6.3	268

102	A neocentromere in the DAZ region of the human Y chromosome. <i>Chromosoma</i> , 2000 , 109, 318-27	2.8	18
101	Formation of spindle poles by dynein/dynactin-dependent transport of NuMA. <i>Journal of Cell Biology</i> , 2000 , 149, 851-62	7.3	268
100	Two distinct pathways leading to nuclear apoptosis. <i>Journal of Experimental Medicine</i> , 2000 , 192, 571-80	16.6	606
99	Differential localization of ICAD-L and ICAD-S in cells due to removal of a C-terminal NLS from ICAD-L by alternative splicing. <i>Experimental Cell Research</i> , 2000 , 255, 314-20	4.2	47
98	Induction of apoptosis by cancer chemotherapy. <i>Experimental Cell Research</i> , 2000 , 256, 42-9	4.2	979
97	Two differentially spliced forms of topoisomerase IIalpha and beta mRNAs are conserved between birds and humans. <i>Gene</i> , 2000 , 258, 183-92	3.8	10
96	Detection of DNA cleavage in apoptotic cells. <i>Methods in Enzymology</i> , 2000 , 322, 3-15	1.7	38
95	Characterization of caspase processing and activation in HL-60 cell cytosol under cell-free conditions. Nucleotide requirement and inhibitor profile. <i>Journal of Biological Chemistry</i> , 1999 , 274, 22635-45	5.4	57
94	Caspase-mediated cleavage of DNA topoisomerase I at unconventional sites during apoptosis. <i>Journal of Biological Chemistry</i> , 1999 , 274, 4335-40	5.4	87
93	Cleavage furrows formed between centrosomes lacking an intervening spindle and chromosomes contain microtubule bundles, INCENP, and CHO1 but not CENP-E. <i>Molecular Biology of the Cell</i> , 1999 , 10, 297-311	3.5	71
92	Survival and proliferation of cells expressing caspase-uncleavable Poly(ADP-ribose) polymerase in response to death-inducing DNA damage by an alkylating agent. <i>Journal of Biological Chemistry</i> , 1999 , 274, 37097-104	5.4	39
91	Comparison of paclitaxel-, 5-fluoro-2-deoxyuridine-, and epidermal growth factor (EGF)-induced apoptosis. Evidence for EGF-induced anoikis. <i>Journal of Biological Chemistry</i> , 1999 , 274, 15927-36	5.4	68
90	Mammalian caspases: structure, activation, substrates, and functions during apoptosis. <i>Annual Review of Biochemistry</i> , 1999 , 68, 383-424	29.1	2313
89	The structure and dynamics of ring chromosomes in human neoplastic and non-neoplastic cells. <i>Human Genetics</i> , 1999 , 104, 315-25	6.3	94
88	Role of caspases in apoptotic execution. <i>Biology of the Cell</i> , 1999 , 91, 541-542	3.5	1
87	Transmission of a fully functional human neocentromere through three generations. <i>American Journal of Human Genetics</i> , 1999 , 64, 1440-4	11	101
86	The hBUB1 and hBUBR1 kinases sequentially assemble onto kinetochores during prophase with hBUBR1 concentrating at the kinetochore plates in mitosis. <i>Chromosoma</i> , 1998 , 107, 386-96	2.8	151
85	ICAD/DFP regulator of apoptotic nuclease is nuclear. <i>Experimental Cell Research</i> , 1998 , 243, 453-9	4.2	48

84	Structure and function in the nucleus. <i>Science</i> , 1998 , 280, 547-53	33.3	809
83	A dominant mutant of inner centromere protein (INCENP), a chromosomal protein, disrupts prometaphase congression and cytokinesis. <i>Journal of Cell Biology</i> , 1998 , 140, 991-1002	7.3	141
82	INCENP centromere and spindle targeting: identification of essential conserved motifs and involvement of heterochromatin protein HP1. <i>Journal of Cell Biology</i> , 1998 , 143, 1763-74	7.3	167
81	Transition from caspase-dependent to caspase-independent mechanisms at the onset of apoptotic execution. <i>Journal of Cell Biology</i> , 1998 , 143, 225-39	7.3	116
80	Modulation of cell death by Bcl-XL through caspase interaction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1998 , 95, 554-9	11.5	469
79	Phosphorylated Forms of Activated Caspases Are Present in Cytosol From HL-60 Cells During Etoposide-Induced Apoptosis. <i>Blood</i> , 1998 , 92, 3042-3049	2.2	48
78	Phosphorylated Forms of Activated Caspases Are Present in Cytosol From HL-60 Cells During Etoposide-Induced Apoptosis. <i>Blood</i> , 1998 , 92, 3042-3049	2.2	12
77	Characterization of neo-centromeres in marker chromosomes lacking detectable alpha-satellite DNA. <i>Human Molecular Genetics</i> , 1997 , 6, 1195-204	5.6	125
76	Chromosomal proteins and cytokinesis: patterns of cleavage furrow formation and inner centromere protein positioning in mitotic heterokaryons and mid-anaphase cells. <i>Journal of Cell Biology</i> , 1997 , 136, 1169-83	7.3	126
75	Activation of multiple interleukin-1beta converting enzyme homologues in cytosol and nuclei of HL-60 cells during etoposide-induced apoptosis. <i>Journal of Biological Chemistry</i> , 1997 , 272, 7421-30	5.4	176
74	In vitro systems for the study of apoptosis. <i>Advances in Pharmacology</i> , 1997 , 41, 89-106	5.7	2
73	Inhibition of ICE-related proteases (caspases) and nuclear apoptosis by phenylarsine oxide. <i>Experimental Cell Research</i> , 1997 , 231, 123-31	4.2	34
72	Comparison of Caspase Activation and Subcellular Localization in HL-60 and K562 Cells Undergoing Etoposide-Induced Apoptosis. <i>Blood</i> , 1997 , 90, 4283-4296	2.2	116
71	Comparison of Apoptosis in Wild-Type and Fas-Resistant Cells: Chemotherapy-Induced Apoptosis Is Not Dependent on Fas/Fas Ligand Interactions. <i>Blood</i> , 1997 , 90, 935-943	2.2	242
70	Immunolocalization of CENP-A suggests a distinct nucleosome structure at the inner kinetochore plate of active centromeres. <i>Current Biology</i> , 1997 , 7, 901-4	6.3	307
69	Caspases and caspase inhibitors. <i>Trends in Biochemical Sciences</i> , 1997 , 22, 388-93	10.3	469
68	Centromeric inactivation in a dicentric human Y;21 translocation chromosome. <i>Chromosoma</i> , 1997 , 106, 199-206	2.8	35
67	Localization of CENP-E in the fibrous corona and outer plate of mammalian kinetochores from prometaphase through anaphase. <i>Chromosoma</i> , 1997 , 106, 446-55	2.8	139

66	Untangling the role of DNA topoisomerase II in mitotic chromosome structure and function. <i>BioEssays</i> , 1997 , 19, 97-9	4.1	83
65	Purification of the death substrate poly(ADP-ribose) polymerase. <i>Analytical Biochemistry</i> , 1997 , 249, 106-8	3.1	7
64	Comparison of Caspase Activation and Subcellular Localization in HL-60 and K562 Cells Undergoing Etoposide-Induced Apoptosis. <i>Blood</i> , 1997 , 90, 4283-4296	2.2	4
63	Comparison of Apoptosis in Wild-Type and Fas-Resistant Cells: Chemotherapy-Induced Apoptosis Is Not Dependent on Fas/Fas Ligand Interactions. <i>Blood</i> , 1997 , 90, 935-943	2.2	18
62	CrmA/SPI-2 inhibition of an endogenous ICE-related protease responsible for lamin A cleavage and apoptotic nuclear fragmentation. <i>Journal of Biological Chemistry</i> , 1996 , 271, 32487-90	5.4	58
61	Granzyme B/perforin-mediated apoptosis of Jurkat cells results in cleavage of poly(ADP-ribose) polymerase to the 89-kDa apoptotic fragment and less abundant 64-kDa fragment. <i>Biochemical and Biophysical Research Communications</i> , 1996 , 227, 658-65	3.4	92
60	ICE-related proteases in apoptosis. <i>Current Opinion in Genetics and Development</i> , 1996 , 6, 50-5	4.9	146
59	Disruption of CENP antigen function perturbs dynein anchoring to the mitotic kinetochore. <i>Chromosoma</i> , 1996 , 104, 551-60	2.8	9
58	p150TSP, a conserved nuclear phosphoprotein that contains multiple tetratricopeptide repeats and binds specifically to SH2 domains. <i>Journal of Biological Chemistry</i> , 1996 , 271, 6952-62	5.4	19
57	Specific interaction between human kinetochore protein CENP-C and a nucleolar transcriptional regulator. <i>Journal of Biological Chemistry</i> , 1996 , 271, 18767-74	5.4	29
56	Disruption of CENP antigen function perturbs dynein anchoring to the mitotic kinetochore. <i>Chromosoma</i> , 1996 , 104, 551-560	2.8	
55	Longitudinal study of anticentromere and antitopoisomerase-I isotypes. <i>Clinical Immunology and Immunopathology</i> , 1995 , 74, 257-70		25
54	Further evidence that CENP-C is a necessary component of active centromeres: studies of a dic(X; 15) with simultaneous immunofluorescence and FISH. <i>Human Molecular Genetics</i> , 1995 , 4, 289-94	5.6	75
53	Nuclear changes in apoptosis. <i>Current Opinion in Cell Biology</i> , 1995 , 7, 337-43	9	460
52	CDC27Hs colocalizes with CDC16Hs to the centrosome and mitotic spindle and is essential for the metaphase to anaphase transition. <i>Cell</i> , 1995 , 81, 261-8	56.2	331
51	Studies of the lamin proteinase reveal multiple parallel biochemical pathways during apoptotic execution. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1995 , 92, 9042-6	11.5	462
50	Apoptosis: lessons from in vitro systems. <i>Trends in Cell Biology</i> , 1995 , 5, 217-20	18.3	82
49	The SMC proteins and the coming of age of the chromosome scaffold hypothesis. <i>BioEssays</i> , 1995 , 17, 759-66	4.1	86

48	Role of nonhistone proteins in the chromosomal events of mitosis. <i>FASEB Journal</i> , 1994 , 8, 947-56	0.9	75
47	ScII: an abundant chromosome scaffold protein is a member of a family of putative ATPases with an unusual predicted tertiary structure. <i>Journal of Cell Biology</i> , 1994 , 127, 303-18	7.3	235
46	Anticentromere autoantibodies. Evaluation of an ELISA using recombinant fusion protein CENP-B as antigen. <i>Arthritis and Rheumatism</i> , 1994 , 37, 248-52		29
45	Mitosis. <i>BioEssays</i> , 1994 , 16, 639-43	4.1	16
44	Structure of the mammalian centromere 1993 , 13-29		4
43	The incenps: Chromosomal proteins with an essential cytoskeletal role during mitosis. <i>Proceedings Annual Meeting Electron Microscopy Society of America</i> , 1993 , 51, 78-79		
42	Centromere and kinetochore structure. <i>Current Opinion in Cell Biology</i> , 1992 , 4, 86-93	9	35
41	CENP-C, an autoantigen in scleroderma, is a component of the human inner kinetochore plate. <i>Cell</i> , 1992 , 70, 115-25	56.2	330
40	Prognostic significance of anticentromere antibodies and anti-topoisomerase I antibodies in Raynaud's disease. A prospective study. <i>Arthritis and Rheumatism</i> , 1991 , 34, 68-77		135
39	Chromosomal passengers: toward an integrated view of mitosis. <i>Chromosoma</i> , 1991 , 100, 139-46	2.8	168
38	Idiotypic analysis of human anticentromere autoantibodies. <i>Autoimmunity</i> , 1991 , 9, 131-40	3	4
37	Large scale chromosome structure and organization: Current opinion in structural biology 1991, 1: 237-244. <i>Current Opinion in Structural Biology</i> , 1991 , 1, 237-244	8.1	28
36	Idiotypic analysis of human anti-topoisomerase I autoantibodies. <i>Autoimmunity</i> , 1991 , 10, 41-8	3	4
35	Disruption of centromere assembly during interphase inhibits kinetochore morphogenesis and function in mitosis. <i>Cell</i> , 1991 , 66, 1229-38	56.2	88
34	The IgG, IgM, and IgA isotypes of anti-topoisomerase I and anticentromere autoantibodies. <i>Arthritis and Rheumatism</i> , 1990 , 33, 724-7		34
33	Use of molecular cloning methods to map the distribution of epitopes on topoisomerase I (Scl-70) recognized by sera of scleroderma patients. <i>Arthritis and Rheumatism</i> , 1990 , 33, 1501-11		42
32	Mitotic chromatin condensation in vitro using somatic cell extracts and nuclei with variable levels of endogenous topoisomerase II. <i>Journal of Cell Biology</i> , 1990 , 111, 2839-50	7.3	162
31	Structure of the human centromere at metaphase. <i>Trends in Biochemical Sciences</i> , 1990 , 15, 181-5	10.3	116

30	CENP-B: a major human centromere protein located beneath the kinetochore. <i>Journal of Cell Biology</i> , 1990 , 110, 1475-88	7.3	224
29	Autoantibodies to topoisomerase I (Scl-70): analysis by gel diffusion, immunoblot, and enzyme-linked immunosorbent assay. <i>Clinical Immunology and Immunopathology</i> , 1990 , 57, 399-410		38
28	Proteins of the inner and outer centromere of mitotic chromosomes. <i>Genome</i> , 1989 , 31, 541-52	2.4	27
27	Isotype analysis of the anti-CENP-B anticentromere autoantibody: evidence for restricted clonality. <i>Arthritis and Rheumatism</i> , 1989 , 32, 1315-8		13
26	Anti-topoisomerase II recognizes meiotic chromosome cores. <i>Chromosoma</i> , 1989 , 98, 317-22	2.8	105
25	Visualization of centromere proteins CENP-B and CENP-C on a stable dicentric chromosome in cytological spreads. <i>Chromosoma</i> , 1989 , 98, 1-12	2.8	275
24	Human autoantibody to topoisomerase II. <i>Experimental Cell Research</i> , 1989 , 180, 409-18	4.2	32
23	Mitotic chromosome structure. <i>BioEssays</i> , 1988 , 9, 147-50	4.1	50
22	cDNA cloning of human DNA topoisomerase I: catalytic activity of a 67.7-kDa carboxyl-terminal fragment. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1988 , 85, 2543-7	11.5	232
21	Differential expression of DNA topoisomerases I and II during the eukaryotic cell cycle. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1988 , 85, 1086-90	11.5	362
20	Molecular cloning of cDNA for CENP-B, the major human centromere autoantigen. <i>Journal of Cell Biology</i> , 1987 , 104, 817-29	7.3	386
19	Topoisomerase II: A specific marker for cell proliferation. <i>Journal of Cell Biology</i> , 1986 , 103, 2569-81	7.3	379
18	Three human chromosomal autoantigens are recognized by sera from patients with anti-centromere antibodies. <i>Journal of Clinical Investigation</i> , 1986 , 77, 426-30	15.9	169
17	Identification of a family of human centromere proteins using autoimmune sera from patients with scleroderma. <i>Chromosoma</i> , 1985 , 91, 313-21	2.8	708
16	Three related centromere proteins are absent from the inactive centromere of a stable isodicentric chromosome. <i>Chromosoma</i> , 1985 , 92, 290-6	2.8	216
15	Localization of topoisomerase II in mitotic chromosomes. <i>Journal of Cell Biology</i> , 1985 , 100, 1716-25	7.3	432
14	Topoisomerase II is a structural component of mitotic chromosome scaffolds. <i>Journal of Cell Biology</i> , 1985 , 100, 1706-15	7.3	675
13	Mitotic Chromosome Structure: An Update, December 1984 1985 , 55-75		

12	Silver staining the chromosome scaffold. <i>Chromosoma</i> , 1984 , 89, 186-92	2.8	49
11	Nucleosome assembly. <i>Nature</i> , 1980 , 286, 763-7	50.4	175
10	Assembly of nucleosomes: the reaction involving <i>X. laevis</i> nucleoplasmin. <i>Cell</i> , 1980 , 21, 373-83	56.2	244
9	DNA packaging by the double-stranded DNA bacteriophages. <i>Cell</i> , 1980 , 21, 319-31	56.2	405
8	Structural studies of bacteriophage lambda heads and proheads by small angle X-ray diffraction. <i>Journal of Molecular Biology</i> , 1979 , 134, 575-94	6.5	31
7	Structure of phage P22 coat protein aggregates formed in the absence of the scaffolding protein. <i>Journal of Molecular Biology</i> , 1978 , 126, 721-47	6.5	101
6	The size of the bacteriophage T4 head in solution with comments about the dimension of virus particles as visualized by electron microscopy. <i>Journal of Molecular Biology</i> , 1978 , 122, 247-53	6.5	25
5	DNA arrangement in isometric phage heads. <i>Nature</i> , 1977 , 268, 598-602	50.4	243
4	Assembly of the head of bacteriophage P22: x-ray diffraction from heads, proheads and related structures. <i>Journal of Molecular Biology</i> , 1976 , 104, 387-410	6.5	187
3	Dark bleaching of rhodopsin by organic mercurial. <i>FEBS Letters</i> , 1973 , 34, 137-9	3.8	10
2	Mitotic chromosomes fold by condensin-dependent helical winding of chromatin loop arrays		5
1	Common fragile sites are characterised by faulty condensin loading after replication stress		1