Hideaki Takata

List of Publications by Year
in descending order

36 papers	1,598 citations	393982 19 h-index	395343 33 g-index
39 all docs	39 docs citations	39 times ranked	2326 citing authors

#	Article	IF	Citations
1	Human metaphase chromosome consists of randomly arranged chromatin fibres with up to 30-nm diameter. Scientific Reports, 2020, 10, 8948.	1.6	12
2	Application of the Chromosome Image Analyzing System (CHIAS) for Straightening Cationâ€treated Bent Chromosomes. Microscopy Research and Technique, 2020, 83, 1411-1416.	1.2	0
3	Reversible Changes of Chromosome Structure upon Different Concentrations of Divalent Cations. Microscopy and Microanalysis, 2019, 25, 817-821.	0.2	8
4	Cdk1-dependent phosphorylation of KIF4A at S1186 triggers lateral chromosome compaction during early mitosis. PLoS ONE, 2018, 13, e0209614.	1.1	6
5	Calcium depletion destabilises kinetochore fibres by the removal of CENP-F from the kinetochore. Scientific Reports, 2017, 7, 7335.	1.6	5
6	Interdependency and phosphorylation of KIF4 and condensin I are essential for organization of chromosome scaffold. PLoS ONE, 2017, 12, e0183298.	1.1	11
7	Calcium ions function as a booster of chromosome condensation. Scientific Reports, 2016, 6, 38281.	1.6	39
8	Chromatin folding and DNA replication inhibition mediated by a highly antitumor-active tetrazolato-bridged dinuclear platinum(II) complex. Scientific Reports, 2016, 6, 24712.	1.6	20
9	Chromosome Scaffold is a Double-Stranded Assembly of Scaffold Proteins. Scientific Reports, 2015, 5, 11916.	1.6	37
10	Towards single particle imaging of human chromosomes at SACLA. Journal of Physics B: Atomic, Molecular and Optical Physics, 2015, 48, 244007.	0.6	7
11	The Effect of Magnesium Ions on Chromosome Structure as Observed by Helium Ion Microscopy. Microscopy and Microanalysis, 2014, 20, 184-188.	0.2	10
12	Chromosome Interior Observation by Focused Ion Beam/Scanning Electron Microscopy (FIB/SEM) Using Ionic Liquid Technique. Microscopy and Microanalysis, 2014, 20, 1340-1347.	0.2	21
13	The Organization of Genomic DNA in Mitotic Chromosomes: A Novel View. , 2013, , 33-44.		0
14	Chromatin Compaction Protects Genomic DNA from Radiation Damage. PLoS ONE, 2013, 8, e75622.	1.1	165
15	The integrator complex is required for integrity of Cajal bodies. Journal of Cell Science, 2012, 125, 166-175.	1.2	35
16	Association of Renal Resistive Index With Target Organ Damage in Essential Hypertension. American Journal of Hypertension, 2012, 25, 1292-8.	1.0	52
17	Chromosomes without a 30-nm chromatin fiber. Nucleus, 2012, 3, 404-410.	0.6	137
18	Human mitotic chromosomes consist predominantly of irregularly folded nucleosome fibres without a 30-nm chromatin structure. EMBO Journal, 2012, 31, 1644-1653.	3.5	269

#	Article	IF	Citations
19	RBMX: A Regulator for Maintenance and Centromeric Protection of Sister Chromatid Cohesion. Cell Reports, 2012, 1, 299-308.	2.9	75
20	7C31 How is a long strand of genomic DNA organized in the cell?. The Proceedings of the Bioengineering Conference Annual Meeting of BED/JSME, 2012, 2012.24, _7C31-1_-_7C31-2_.	0.0	0
21	Irregular folding of nucleosomes in the cellComment on â€œCracking the chromatin code: Precise rule of nucleosome positioningâ€•by Edward N. Trifonov. Physics of Life Reviews, 2011, 8, 51-52.	1.5	2
22	New Insight into the Mitotic Chromosome Structure: Irregular Folding of Nucleosome Fibers Without 30-nm Chromatin Structure. Cold Spring Harbor Symposia on Quantitative Biology, 2010, 75, 439-444.	2.0	29
23	Safety evaluation of amylomaltase from Thermus aquaticus. Regulatory Toxicology and Pharmacology, 2010, 57, 62-69.	1.3	11
24	Son Is Essential for Nuclear Speckle Organization and Cell Cycle Progression. Molecular Biology of the Cell, 2010, 21, 650-663.	0.9	106
25	A nucleolar protein RRS1 contributes to chromosome congression. FEBS Letters, 2009, 583, 1951-1956.	1.3	35
26	Proteome analysis of human nuclear insoluble fractions. Genes To Cells, 2009, 14, 975-990.	0.5	30
27	Preparation Methods of Human Metaphase Chromosomes for their Proteome Analysis. Methods in Molecular Biology, 2008, 432, 149-160.	0.4	3
28	Fibrillarin, a nucleolar protein, is required for normal nuclear morphology and cellular growth in HeLa cells. Biochemical and Biophysical Research Communications, 2007, 360, 320-326.	1.0	55
29	H1.X with different properties from other linker histones is required for mitotic progression. FEBS Letters, 2007, 581, 3783-3788.	1.3	36
30	Nucleolin functions in nucleolus formation and chromosome congression. Journal of Cell Science, 2007, 120, 2091-2105.	1.2	112
31	A comparative proteome analysis of human metaphase chromosomes isolated from two different cell lines reveals a set of conserved chromosome-associated proteins. Genes To Cells, 2007, 12, 269-284.	0.5	52
32	PHB2 Protects Sister-Chromatid Cohesion in Mitosis. Current Biology, 2007, 17, 1356-1361.	1.8	44
33	Proteome Analysis of Human Metaphase Chromosomes. Journal of Biological Chemistry, 2005, 280, 16994-17004.	1.6	114
34	Generation of monoclonal antibodies against chromosomal antigens that have a high sequence similarity between human and mouse. Journal of Biotechnology, 2005, 120, 262-272.	1.9	2
35	Protein composition of human metaphase chromosomes analyzed by two-dimensional electrophoreses. Cytogenetic and Genome Research, 2004, 107, 49-54.	0.6	18
36	Changes in Chromosomal Surface Structure by Different Isolation Conditions.. Archives of Histology and Cytology, 2002, 65, 445-455.	0.2	32