Marion Cremer

List of Publications by Year
in descending order

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38 papers	5,615 citations	201674 27 h-index	315739 38 g-index
44 all docs	44 docs citations	44 times ranked	4620 citing authors

#	Article	IF	Citations
1	Chromosome Territories. Cold Spring Harbor Perspectives in Biology, 2010, 2, a003889-a003889.	5.5	934
2	Dynamic genome architecture in the nuclear space: regulation of gene expression in three dimensions. Nature Reviews Genetics, 2007, 8, 104-115.	16.3	721
3	Chromosome territories â€“ a functional nuclear landscape. Current Opinion in Cell Biology, 2006, 18, 307-316.	5.4	528
4	Evolutionary conservation of chromosome territory arrangements in cell nuclei from higher primates. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 4424-4429.	7.1	357
5	Non-random radial higher-order chromatin arrangements in nuclei of diploid human cells. Chromosome Research, 2001, 9, 541-567.	2.2	339
6	Chromosome order in HeLa cells changes during mitosis and early G1, but is stably maintained during subsequent interphase stages. Journal of Cell Biology, 2003, 160, 685-697.	5.2	284
7	Chromatin domains and the interchromatin compartment form structurally defined and functionally interacting nuclear networks. Chromosome Research, 2006, 14, 707-733.	2.2	240
8	Inheritance of gene densityâ€“related higher order chromatin arrangements in normal and tumor cell nuclei. Journal of Cell Biology, 2003, 162, 809-820.	5.2	235
9	The 4D nucleome: Evidence for a dynamic nuclear landscape based on coâ€aligned active and inactive nuclear compartments. FEBS Letters, 2015, 589, 2931-2943.	2.8	211
10	Arrangements of macro- and microchromosomes in chicken cells. Chromosome Research, 2001, 9, 569-584.	2.2	188
11	Radial chromatin positioning is shaped by local gene density, not by gene expression. Chromosoma, 2007, 116, 285-306.	2.2	160
12	Multicolor 3D Fluorescence In Situ Hybridization for Imaging Interphase Chromosomes. Methods in Molecular Biology, 2012, 463, 205-239.	0.9	157
13	Three-dimensional super-resolution microscopy of the inactive X chromosome territory reveals a collapse of its active nuclear compartment harboring distinct Xist RNA foci. Epigenetics and Chromatin, 2014, 7, 8.	3.9	148
14	Non-random radial arrangements of interphase chromosome territories: evolutionary considerations and functional implications. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2002, 504, 37-45.	1.0	144
15	The potential of 3Dâ€FISH and superâ€resolution structured illumination microscopy for studies of 3D nuclear architecture. BioEssays, 2012, 34, 412-426.	2.5	128
16	3D-FISH on Cultured Cells Combined with Immunostaining. Methods in Molecular Biology, 2010, 659, 117-126.	0.9	68
17	The Interchromatin Compartment Participates in the Structural and Functional Organization of the Cell Nucleus. BioEssays, 2020, 42, e1900132.	2.5	65
18	Novel Higher-Order Epigenetic Regulation of theBdnfGene upon Seizures. Journal of Neuroscience, 2013, 33, 2507-2511.	3.6	62

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19	A top-down analysis of Xa- and Xi-territories reveals differences of higher order structure at â‰¥ 20 Mb genomic length scales. Nucleus, 2011, 2, 465-477.	2.2	58
20	Replication-timing-correlated spatial chromatin arrangements in cancer and in primate interphase nuclei. Journal of Cell Science, 2008, 121, 1876-1886.	2.0	52
21	Histone lysine methylation patterns in human cell types are arranged in distinct three-dimensional nuclear zones. Histochemistry and Cell Biology, 2006, 125, 3-19.	1.7	50
22	Fluorescence In Situ Hybridization Applications for Super-Resolution 3D Structured Illumination Microscopy. Methods in Molecular Biology, 2013, 950, 43-64.	0.9	44
23	Demonstration of astrocytes in cultured amniotic fluid cells of three cases with neural-tube defect. Human Genetics, 1981, 56, 365-370.	3.8	41
24	Remodeling of nuclear landscapes during human myelopoietic cell differentiation maintains co-aligned active and inactive nuclear compartments. Epigenetics and Chromatin, 2015, 8, 47.	3.9	37
25	Nuclear compartmentalization, dynamics, and function of regulatory DNA sequences. Genes Chromosomes and Cancer, 2019, 58, 427-436.	2.8	35
26	Cohesin depleted cells rebuild functional nuclear compartments after endomitosis. Nature Communications, 2020, 11, 6146.	12.8	35
27	Spatial and temporal plasticity of chromatin during programmed DNA-reorganization in Stylonychia macronuclear development. Epigenetics and Chromatin, 2008, 1, 3.	3.9	34
28	Quantitative analyses of the 3D nuclear landscape recorded with super-resolved fluorescence microscopy. Methods, 2017, 123, 33-46.	3.8	34
29	Initial high-resolution microscopic mapping of active and inactive regulatory sequences proves non-random 3D arrangements in chromatin domain clusters. Epigenetics and Chromatin, 2017, 10, 39.	3.9	34
30	Multicolor fluorescence in situ hybridization on metaphase chromosomes and interphase Halo-preparations using cosmid and YAC clones for the simultaneous high resolution mapping of deletions in the dystrophin gene. Human Genetics, 1994, 93, 229-235.	3.8	30
31	Cell Preparation and Multicolor FISH in 3D Preserved Cultured Mammalian Cells. Cold Spring Harbor Protocols, 2007, 2007, pdb.prot4723-pdb.prot4723.	0.3	25
32	Epithelial character and morphologic diversity of cell cultures from human amniotic fluids examined by immunofluorescence microscopy and gel electrophoresis of cytoskeletal proteins. Differentiation, 1983, 24, 153-173.	1.9	24
33	Biochemistry meets nuclear architecture: Multicolor immuno-FISH for co-localization analysis of chromosome segments and differentially expressed gene loci with various histone methylations. Advances in Enzyme Regulation, 2007, 47, 223-241.	2.6	23
34	Remodeling of nuclear architecture by the thiodioxoxpiperazine metabolite chaetocin. Experimental Cell Research, 2010, 316, 1662-1680.	2.6	23
35	3D-Image analysis platform monitoring relocation of pluripotency genes during reprogramming. Nucleic Acids Research, 2011, 39, e113-e113.	14.5	18
36	High-resolution comparative hybridization to combed DNA fibers. Human Genetics, 1997, 99, 374-380.	3.8	17

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37	Quantitative and qualitative assay of amniotic-fluid acetylcholinesterase in the prenatal diagnosis of neural tube defects. Human Genetics, 1981, 59, 227-31.	3.8	16
38	Nuclear Architecture: Topology and Function of Chromatin- and Non-Chromatin Nuclear Domains. , 2007, , 197-226.		0