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	Cohesin depleted cells rebuild functional nuclear compartments after endomitosis. Nature Communications, 2020, 11, 6146.	12.8	35
2	The Interchromatin Compartment Participates in the Structural and Functional Organization of the Cell Nucleus. BioEssays, 2020, 42, e1900132.	2.5	65
3	Nuclear compartmentalization, dynamics, and function of regulatory DNA sequences. Genes Chromosomes and Cancer, 2019, 58, 427-436.	2.8	35
4	Quantitative analyses of the 3D nuclear landscape recorded with super-resolved fluorescence microscopy. Methods, 2017, 123, 33-46.	3.8	34
5	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
6	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
7	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
8	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
9	Novel Higher-Order Epigenetic Regulation of theBdnfGene upon Seizures. Journal of Neuroscience, 2013, 33, 2507-2511.	3.6	62
10	Fluorescence In Situ Hybridization Applications for Super-Resolution 3D Structured Illumination Microscopy. Methods in Molecular Biology, 2013, 950, 43-64.	0.9	44
11	Multicolor 3D Fluorescence In Situ Hybridization for Imaging Interphase Chromosomes. Methods in Molecular Biology, 2012, 463, 205-239.	0.9	157
12	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
13	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
14	3D-Image analysis platform monitoring relocation of pluripotency genes during reprogramming. Nucleic Acids Research, 2011, 39, e113-e113.	14.5	18
15	3D-FISH on Cultured Cells Combined with Immunostaining. Methods in Molecular Biology, 2010, 659, 117-126.	0.9	68
16	Remodeling of nuclear architecture by the thiodioxoxpiperazine metabolite chaetocin. Experimental Cell Research, 2010, 316, 1662-1680.	2.6	23
17	Chromosome Territories. Cold Spring Harbor Perspectives in Biology, 2010, 2, a003889-a003889.	5.5	934
18	Spatial and temporal plasticity of chromatin during programmed DNA-reorganization in Stylonychia macronuclear development. Epigenetics and Chromatin, 2008, 1, 3.	3.9	34

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19	Replication-timing-correlated spatial chromatin arrangements in cancer and in primate interphase nuclei. Journal of Cell Science, 2008, 121, 1876-1886.	2.0	52
20	Nuclear Architecture: Topology and Function of Chromatin- and Non-Chromatin Nuclear Domains. , 2007, , 197-226.		0
21	Dynamic genome architecture in the nuclear space: regulation of gene expression in three dimensions. Nature Reviews Genetics, 2007, 8, 104-115.	16.3	721
22	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
23	Radial chromatin positioning is shaped by local gene density, not by gene expression. Chromosoma, 2007, 116, 285-306.	2.2	160
24	Cell Preparation and Multicolor FISH in 3D Preserved Cultured Mammalian Cells. Cold Spring Harbor Protocols, 2007, 2007, pdb.prot4723-pdb.prot4723.	0.3	25
25	Chromatin domains and the interchromatin compartment form structurally defined and functionally interacting nuclear networks. Chromosome Research, 2006, 14, 707-733.	2.2	240
26	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
27	Chromosome territories â€“ a functional nuclear landscape. Current Opinion in Cell Biology, 2006, 18, 307-316.	5.4	528
28	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
29	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
30	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
31	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
32	Arrangements of macro- and microchromosomes in chicken cells. Chromosome Research, 2001, 9, 569-584.	2.2	188
33	Non-random radial higher-order chromatin arrangements in nuclei of diploid human cells. Chromosome Research, 2001, 9, 541-567.	2.2	339
34	High-resolution comparative hybridization to combed DNA fibers. Human Genetics, 1997, 99, 374-380.	3.8	17
35	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
36	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

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37	Demonstration of astrocytes in cultured amniotic fluid cells of three cases with neural-tube defect. Human Genetics, 1981, 56, 365-370.	3.8	41
38	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