

Ichiro Hiratani

List of Publications by Year in descending order

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Version: 2024-02-01

36
papers

2,916
citations

361296
20
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345118
36
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41
all docs

41
docs citations

41
times ranked

3302
citing authors

#	ARTICLE	IF	CITATIONS
1	Evolutionarily conserved replication timing profiles predict long-range chromatin interactions and distinguish closely related cell types. <i>Genome Research</i> , 2010, 20, 761-770.	2.4	526
2	Global Reorganization of Replication Domains During Embryonic Stem Cell Differentiation. <i>PLoS Biology</i> , 2008, 6, e245.	2.6	496
3	Genome-wide dynamics of replication timing revealed by in vitro models of mouse embryogenesis. <i>Genome Research</i> , 2010, 20, 155-169.	2.4	287
4	Chromosome Engineering Allows the Efficient Isolation of Vertebrate Neocentromeres. <i>Developmental Cell</i> , 2013, 24, 635-648.	3.1	155
5	C9a selectively represses a class of late-replicating genes at the nuclear periphery. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 19363-19368.	3.3	134
6	Replication timing and transcriptional control: beyond cause and effect” part II. <i>Current Opinion in Genetics and Development</i> , 2009, 19, 142-149.	1.5	133
7	Differentiation-induced replication-timing changes are restricted to AT-rich/long interspersed nuclear element (LINE)-rich isochores. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 16861-16866.	3.3	110
8	Genome-scale analysis of replication timing: from bench to bioinformatics. <i>Nature Protocols</i> , 2011, 6, 870-895.	5.5	110
9	Replication timing as an epigenetic mark. <i>Epigenetics</i> , 2009, 4, 93-97.	1.3	91
10	Space and Time in the Nucleus: Developmental Control of Replication Timing and Chromosome Architecture. <i>Cold Spring Harbor Symposia on Quantitative Biology</i> , 2010, 75, 143-153.	2.0	91
11	Epigenetic differences between naïve and primed pluripotent stem cells. <i>Cellular and Molecular Life Sciences</i> , 2018, 75, 1191-1203.	2.4	84
12	ReplicationDomain: a visualization tool and comparative database for genome-wide replication timing data. <i>BMC Bioinformatics</i> , 2008, 9, 530.	1.2	80
13	Replication Timing: A Fingerprint for Cell Identity and Pluripotency. <i>PLoS Computational Biology</i> , 2011, 7, e1002225.	1.5	78
14	Domain-wide regulation of DNA replication timing during mammalian development. <i>Chromosome Research</i> , 2010, 18, 127-136.	1.0	66
15	Genome-wide stability of the DNA replication program in single mammalian cells. <i>Nature Genetics</i> , 2019, 51, 529-540.	9.4	66
16	Single-cell DNA replication profiling identifies spatiotemporal developmental dynamics of chromosome organization. <i>Nature Genetics</i> , 2019, 51, 1356-1368.	9.4	61
17	Selective degradation of excess Ldb1 by Rnf12/RLIM confers proper Ldb1 expression levels and Xlim-1/Ldb1 stoichiometry in <i>Xenopus</i> organizer functions. <i>Development (Cambridge)</i> , 2003, 130, 4161-4175.	1.2	43
18	Multifaceted Hi-C benchmarking: what makes a difference in chromosome-scale genome scaffolding?. <i>GigaScience</i> , 2020, 9, .	3.3	39

#	ARTICLE	IF	CITATIONS
19	Srf destabilizes cellular identity by suppressing cell-type-specific gene expression programs. <i>Nature Communications</i> , 2018, 9, 1387.	5.8	35
20	The Eleanor ncRNAs activate the topological domain of the ESR1 locus to balance against apoptosis. <i>Nature Communications</i> , 2019, 10, 3778.	5.8	28
21	Practical Analysis of Hi-C Data: Generating A/B Compartment Profiles. <i>Methods in Molecular Biology</i> , 2018, 1861, 221-245.	0.4	22
22	DNA Replication Timing Is Maintained Genome-Wide in Primary Human Myoblasts Independent of D4Z4 Contraction in FSH Muscular Dystrophy. <i>PLoS ONE</i> , 2011, 6, e27413.	1.1	21
23	Chromatin folding and DNA replication inhibition mediated by a highly antitumor-active tetrazolato-bridged dinuclear platinum(II) complex. <i>Scientific Reports</i> , 2016, 6, 24712.	1.6	20
24	Mapping replication timing domains genome wide in single mammalian cells with single-cell DNA replication sequencing. <i>Nature Protocols</i> , 2020, 15, 4058-4100.	5.5	19
25	Microrheology for Hi-C Data Reveals the Spectrum of the Dynamic 3D Genome Organization. <i>Biophysical Journal</i> , 2020, 118, 2220-2228.	0.2	17
26	Functional Domains of the LIM Homeodomain Protein Xlim-1 Involved in Negative Regulation, Transactivation, and Axis Formation in <i>Xenopus</i> Embryos. <i>Developmental Biology</i> , 2001, 229, 456-467.	0.9	16
27	Regulation of mammalian 3D genome organization and histone H3K9 dimethylation by H3K9 methyltransferases. <i>Communications Biology</i> , 2021, 4, 571.	2.0	12
28	DNA Replication Timing Enters the Single-Cell Era. <i>Genes</i> , 2019, 10, 221.	1.0	11
29	Autosomal Lyonization of Replication Domains During Early Mammalian Development. <i>Advances in Experimental Medicine and Biology</i> , 2010, 695, 41-58.	0.8	11
30	Cell cycle dynamics and developmental dynamics of the 3D genome: toward linking the two timescales. <i>Current Opinion in Genetics and Development</i> , 2022, 73, 101898.	1.5	11
31	Highly rigid H3.1/H3.2â€“H3K9me3 domains set a barrier for cell fate reprogramming in trophoblast stem cells. <i>Genes and Development</i> , 2022, 36, 84-102.	2.7	10
32	Dynamics of transcription-mediated conversion from euchromatin to facultative heterochromatin at the Xist promoter by Tsix. <i>Cell Reports</i> , 2021, 34, 108912.	2.9	9
33	SAF-A promotes origin licensing and replication fork progression to ensure robust DNA replication. <i>Journal of Cell Science</i> , 2022, 135, .	1.2	9
34	The Temporal Order of DNA Replication Shaped by Mammalian DNA Methyltransferases. <i>Cells</i> , 2021, 10, 266.	1.8	6
35	Formation of a multi-layered 3-dimensional structure of the heterochromatin compartment during early mammalian development. <i>Development Growth and Differentiation</i> , 2021, 63, 5-17.	0.6	4
36	Large-Scale Chromatin Rearrangements in Cancer. <i>Cancers</i> , 2022, 14, 2384.	1.7	3