Shinji Honda

List of Publications by Year
in descending order

22 papers	1,449 citations	471509 17 h-index	677142 22 g-index
26 all docs	26 docs citations	26 times ranked	1672 citing authors

#	Article	IF	Citations
1	MARCHâ€V is a novel mitofusin 2â€•and Drp1â€‰binding protein able to change mitochondrial morphology. EMBO Reports, 2006, 7, 1019-1022.	4.5	369
2	Relics of repeat-induced point mutation direct heterochromatin formation in Neurospora crassa. Genome Research, 2009, 19, 427-437.	5.5	137
3	Direct Interaction between DNA Methyltransferase DIM-2 and HP1 Is Required for DNA Methylation in Neurospora crassa. Molecular and Cellular Biology, 2008, 28, 6044-6055.	2.3	116
4	Tools for Fungal Proteomics: Multifunctional Neurospora Vectors for Gene Replacement, Protein Expression and Protein Purification. Genetics, 2009, 182, 11-23.	2.9	114
5	DNA Methylation and Normal Chromosome Behavior in Neurospora Depend on Five Components of a Histone Methyltransferase Complex, DCDC. PLoS Genetics, 2010, 6, e1001196.	3.5	93
6	The common ancestral core of vertebrate and fungal telomerase RNAs. Nucleic Acids Research, 2013, 41, 450-462.	14.5	70
7	Neurospora chromosomes are organized by blocks of importin alpha-dependent heterochromatin that are largely independent of H3K9me3. Genome Research, 2016, 26, 1069-1080.	5.5	64
8	Heterochromatin protein 1 forms distinct complexes to direct histone deacetylation and DNA methylation. Nature Structural and Molecular Biology, 2012, 19, 471-477.	8.2	63
9	Normal chromosome conformation depends on subtelomeric facultative heterochromatin in Neurospora crassa. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 15048-15053.	7.1	55
10	ASH1-catalyzed H3K36 methylation drives gene repression and marks H3K27me2/3-competent chromatin. ELife, 2018, 7, .	6.0	50
11	The DMM complex prevents spreading of DNA methylation from transposons to nearby genes in Neurospora crassa. Genes and Development, 2010, 24, 443-454.	5.9	49
12	Mutational analysis of action of mitochondrial fusion factor mitofusin-2. Journal of Cell Science, 2005, 118, 3153-3161.	2.0	47
13	Identification of DIM-7, a protein required to target the DIM-5 H3 methyltransferase to chromatin. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 8310-8315.	7.1	41
14	Stage-specific enhanced expression of mitochondrial fusion and fission factors during spermatogenesis in rat testis. Biochemical and Biophysical Research Communications, 2003, 311, 424-432.	2.1	37
15	Telomere repeats induce domains of H3K27 methylation in Neurospora. ELife, 2018, 7, .	6.0	30
16	Dual chromatin recognition by the histone deacetylase complex HCHC is required for proper DNA methylation in Neurospora crassa. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E6135-E6144.	7.1	28
17	Establishment of Neurospora crassa as a model organism for fungal virology. Nature Communications, 2020, 11, 5627.	12.8	26
18	A Novel Potential Role for Gametogenetin-Binding Protein 1 (GGNBP1) in Mitochondrial Morphogenesis During Spermatogenesis in Mice1. Biology of Reproduction, 2009, 80, 762-770.	2.7	15

#	Article	IF	Citations
19	Normal Patterns of Histone H3K27 Methylation Require the Histone Variant H2A.Z in Neurospora crassa. Genetics, 2020, 216, 51-66.	2.9	14
20	Nucleosome Positioning by an Evolutionarily Conserved Chromatin Remodeler Prevents Aberrant DNA Methylation in Neurospora. Genetics, 2019, 211, 563-578.	2.9	13
21	The Cullin-4 Complex DCDC Does Not Require E3 Ubiquitin Ligase Elements To Control Heterochromatin in Neurospora crassa. Eukaryotic Cell, 2015, 14, 25-28.	3.4	11
22	LSD1 prevents aberrant heterochromatin formation in Neurospora crassa. Nucleic Acids Research, 2020, 48, 10199-10210.	14.5	4