

Atsushi Matsuda

List of Publications by Year in descending order

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Version: 2024-02-01

41
papers

2,782
citations

394421

19
h-index

330143

37
g-index

45
all docs

45
docs citations

45
times ranked

6394
citing authors

#	ARTICLE	IF	CITATIONS
1	Autophagosomes form at ER-mitochondria contact sites. <i>Nature</i> , 2013, 495, 389-393.	27.8	1,401
2	Strategic and practical guidelines for successful structured illumination microscopy. <i>Nature Protocols</i> , 2017, 12, 988-1010.	12.0	258
3	Fast live simultaneous multiwavelength four-dimensional optical microscopy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 16016-16022.	7.1	176
4	Condensed Mitotic Chromosome Structure at Nanometer Resolution Using PALM and EGFP- Histones. <i>PLoS ONE</i> , 2010, 5, e12768.	2.5	80
5	Quantitative 3D structured illumination microscopy of nuclear structures. <i>Nature Protocols</i> , 2017, 12, 1011-1028.	12.0	72
6	Highly condensed chromatins are formed adjacent to subtelomeric and decondensed silent chromatin in fission yeast. <i>Nature Communications</i> , 2015, 6, 7753.	12.8	64
7	Inner nuclear membrane protein Ima1 is dispensable for intranuclear positioning of centromeres. <i>Genes To Cells</i> , 2011, 16, 1000-1011.	1.2	63
8	Accurate and fiducial-marker-free correction for three-dimensional chromatic shift in biological fluorescence microscopy. <i>Scientific Reports</i> , 2018, 8, 7583.	3.3	58
9	Recent advancements in structured-illumination microscopy toward live-cell imaging. <i>Microscopy (Oxford, England)</i> , 2015, 64, 237-249.	1.5	56
10	Highly Precise and Developmentally Programmed Genome Assembly in <i>Paramecium</i> Requires Ligase IV-Dependent End Joining. <i>PLoS Genetics</i> , 2011, 7, e1002049.	3.5	56
11	Meiotic cohesin-based chromosome structure is essential for homologous chromosome pairing in <i>Schizosaccharomyces pombe</i> . <i>Chromosoma</i> , 2016, 125, 205-214.	2.2	53
12	Roadmap on Recent Progress in FINCH Technology. <i>Journal of Imaging</i> , 2021, 7, 197.	3.0	51
13	Shugoshin forms a specialized chromatin domain at subtelomeres that regulates transcription and replication timing. <i>Nature Communications</i> , 2016, 7, 10393.	12.8	38
14	Chromosome Scaffold is a Double-Stranded Assembly of Scaffold Proteins. <i>Scientific Reports</i> , 2015, 5, 11916.	3.3	37
15	The Chaperone FACT and Histone H2B Ubiquitination Maintain <i>S. pombe</i> Genome Architecture through Genic and Subtelomeric Functions. <i>Molecular Cell</i> , 2020, 77, 501-513.e7.	9.7	32
16	The Conjugation-Specific Die5 Protein Is Required for Development of the Somatic Nucleus in both <i>Paramecium</i> and <i>Tetrahymena</i> . <i>Eukaryotic Cell</i> , 2010, 9, 1087-1099.	3.4	29
17	Incoherent color digital holography with computational coherent superposition for fluorescence imaging [Invited]. <i>Applied Optics</i> , 2021, 60, A260.	1.8	27
18	Biased assembly of the nuclear pore complex is required for somatic and germline nuclear differentiation in <i>Tetrahymena</i> . <i>Journal of Cell Science</i> , 2015, 128, 1812-23.	2.0	24

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19	Meiotic cohesin subunits RAD21L and REC8 are positioned at distinct regions between lateral elements and transverse filaments in the synaptonemal complex of mouse spermatocytes. <i>Journal of Reproduction and Development</i> , 2016, 62, 623-630.	1.4	24
20	Asymmetrical localization of Nup107-160 subcomplex components within the nuclear pore complex in fission yeast. <i>PLoS Genetics</i> , 2019, 15, e1008061.	3.5	22
21	Surprising phenotypic diversity of cancer-associated mutations of Gly 34 in the histone H3 tail. <i>ELife</i> , 2021, 10, .	6.0	22
22	Borna Disease Virus Assembles Porous Cage-like Viral Factories in the Nucleus. <i>Journal of Biological Chemistry</i> , 2016, 291, 25789-25798.	3.4	18
23	Spatial organization of the <i>Schizosaccharomyces pombe</i> genome within the nucleus. <i>Yeast</i> , 2017, 34, 55-66.	1.7	16
24	The SUMO Pathway Is Developmentally Regulated and Required for Programmed DNA Elimination in <i>Paramecium tetraurelia</i> . <i>Eukaryotic Cell</i> , 2006, 5, 806-815.	3.4	13
25	Dual-axis target mapping and automated sequential acquisition of dual-axis EM tomographic data. <i>Journal of Structural Biology</i> , 2009, 168, 323-331.	2.8	13
26	Chromosomes Rein Back the Spindle Pole Body during Horsetail Movement in Fission Yeast Meiosis. <i>Cell Structure and Function</i> , 2014, 39, 93-100.	1.1	12
27	High-Accuracy Correction of 3D Chromatic Shifts in the Age of Super-Resolution Biological Imaging Using χ^2 Chromagnon. <i>Journal of Visualized Experiments</i> , 2020, .	0.3	11
28	Quantitative phase imaging with single-path phase-shifting digital holography using a light-emitting diode. <i>OSA Continuum</i> , 2021, 4, 2918.	1.8	10
29	Identification of Single Nucleotide Mutations That Prevent Developmentally Programmed DNA Elimination in <i>Paramecium tetraurelia</i> . <i>Journal of Eukaryotic Microbiology</i> , 2004, 51, 664-669.	1.7	9
30	Analysis of <i>Paramecium tetraurelia</i> A-51 Surface Antigen Gene Mutants Reveals Positive-Feedback Mechanisms for Maintenance of Expression and Temperature-Induced Activation. <i>Eukaryotic Cell</i> , 2005, 4, 1613-1619.	3.4	6
31	Linear elements are stable structures along the chromosome axis in fission yeast meiosis. <i>Chromosoma</i> , 2021, 130, 149-162.	2.2	6
32	Syndapin constricts microvillar necks to form a united rhabdomere in <i>Drosophila</i> photoreceptors. <i>Development (Cambridge)</i> , 2019, 146, .	2.5	5
33	Imaging performance of microscopy adaptive-optics system using scene-based wavefront sensing. <i>Journal of Biomedical Optics</i> , 2020, 25, .	2.6	5
34	An unusual complementation in non-excitable mutants in <i>Paramecium</i> . <i>Genetical Research</i> , 2000, 76, 125-133.	0.9	4
35	The molecular basis for the alternative stable phenotype in a behavioral mutant of <i>Paramecium tetraurelia</i> . <i>Genes and Genetic Systems</i> , 2001, 76, 289-294.	0.7	4
36	Subtelomeric Chromatin in the Fission Yeast <i>S. pombe</i> . <i>Microorganisms</i> , 2021, 9, 1977.	3.6	2

#	ARTICLE	IF	CITATIONS
37	72 fps incoherent two-color digital motion-picture holography system for fluorescence cell imaging. , 2021, , .		2
38	Stable maintenance of duplicated chromosomes carrying the mutant pwB gene in Paramecium tetraurelia. Genetical Research, 2001, 78, 1-12.	0.9	1
39	Phase-shifting interferometry for multidimensional incoherent digital holography and toward ultimately low light sensing. , 2021, , .		1
40	Non-Mendelian Inheritance Induced by Gene Amplification in the Germ Nucleus of Paramecium tetraurelia. Genetics, 2005, 169, 137-147.	2.9	0
41	Multidimensional incoherent digital holography with phase-shifting interferometry. , 2021, , .		0