Atsushi Matsuda

List of Publications by Year
in descending order

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	Surprising phenotypic diversity of cancer-associated mutations of Gly 34 in the histone H3 tail. ELife, 2021, 10, .	6.0	22
2	Linear elements are stable structures along the chromosome axis in fission yeast meiosis. Chromosoma, 2021, 130, 149-162.	2.2	6
3	Multidimensional incoherent digital holography with phase-shifting interferometry. , 2021, , .		0
4	Roadmap on Recent Progress in FINCH Technology. Journal of Imaging, 2021, 7, 197.	3.0	51
5	Subtelomeric Chromatin in the Fission Yeast S. pombe. Microorganisms, 2021, 9, 1977.	3.6	2
6	Incoherent color digital holography with computational coherent superposition for fluorescence imaging [Invited]. Applied Optics, 2021, 60, A260.	1.8	27
7	Quantitative phase imaging with single-path phase-shifting digital holography using a light-emitting diode. OSA Continuum, 2021, 4, 2918.	1.8	10
8	Phase-shifting interferometry for multidimensional incoherent digital holography and toward ultimately low light sensing. , 2021, , .		1
9	72 fps incoherent two-color digital motion-picture holography system for fluorescence cell imaging. , 2021, , .		2
10	The Chaperone FACT and Histone H2B Ubiquitination Maintain S.Âpombe Genome Architecture through Genic and Subtelomeric Functions. Molecular Cell, 2020, 77, 501-513.e7.	9.7	32
11	High-Accuracy Correction of 3D Chromatic Shifts in the Age of Super-Resolution Biological Imaging Using Chromagnon. Journal of Visualized Experiments, 2020, , .	0.3	11
12	Imaging performance of microscopy adaptive-optics system using scene-based wavefront sensing. Journal of Biomedical Optics, 2020, 25, .	2.6	5
13	Asymmetrical localization of Nup107-160 subcomplex components within the nuclear pore complex in fission yeast. PLoS Genetics, 2019, 15, e1008061.	3.5	22
14	Syndapin constricts microvillar necks to form a united rhabdomere in Drosophila photoreceptors. Development (Cambridge), 2019, 146, .	2.5	5
15	Accurate and fiducial-marker-free correction for three-dimensional chromatic shift in biological fluorescence microscopy. Scientific Reports, 2018, 8, 7583.	3.3	58
16	Quantitative 3D structured illumination microscopy of nuclear structures. Nature Protocols, 2017, 12, 1011-1028.	12.0	72
17	Strategic and practical guidelines for successful structured illumination microscopy. Nature Protocols, 2017, 12, 988-1010.	12.0	258
18	Spatial organization of the<i>Schizosaccharomyces pombe</i>genome within the nucleus. Yeast, 2017, 34, 55-66.	1.7	16

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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. Journal of Reproduction and Development, 2016, 62, 623-630.	1.4	24
20	Shugoshin forms a specialized chromatin domain at subtelomeres that regulates transcription and replication timing. Nature Communications, 2016, 7, 10393.	12.8	38
21	Borna Disease Virus Assembles Porous Cage-like Viral Factories in the Nucleus. Journal of Biological Chemistry, 2016, 291, 25789-25798.	3.4	18
22	Meiotic cohesin-based chromosome structure is essential for homologous chromosome pairing in Schizosaccharomyces pombe. Chromosoma, 2016, 125, 205-214.	2.2	53
23	Chromosome Scaffold is a Double-Stranded Assembly of Scaffold Proteins. Scientific Reports, 2015, 5, 11916.	3.3	37
24	Biased assembly of the nuclear pore complex is required for somatic and germline nuclear differentiation in Tetrahymena. Journal of Cell Science, 2015, 128, 1812-23.	2.0	24
25	Recent advancements in structured-illumination microscopy toward live-cell imaging. Microscopy (Oxford, England), 2015, 64, 237-249.	1.5	56
26	Highly condensed chromatins are formed adjacent to subtelomeric and decondensed silent chromatin in fission yeast. Nature Communications, 2015, 6, 7753.	12.8	64
27	Chromosomes Rein Back the Spindle Pole Body during Horsetail Movement in Fission Yeast Meiosis. Cell Structure and Function, 2014, 39, 93-100.	1.1	12
28	Autophagosomes form at ERâ€“mitochondria contact sites. Nature, 2013, 495, 389-393.	27.8	1,401
29	Inner nuclear membrane protein Ima1 is dispensable for intranuclear positioning of centromeres. Genes To Cells, 2011, 16, 1000-1011.	1.2	63
30	Highly Precise and Developmentally Programmed Genome Assembly in Paramecium Requires Ligase IVâ€“Dependent End Joining. PLoS Genetics, 2011, 7, e1002049.	3.5	56
31	Condensed Mitotic Chromosome Structure at Nanometer Resolution Using PALM and EGFP- Histones. PLoS ONE, 2010, 5, e12768.	2.5	80
32	The Conjugation-Specific Die5 Protein Is Required for Development of the Somatic Nucleus in both Paramecium and Tetrahymena. Eukaryotic Cell, 2010, 9, 1087-1099.	3.4	29
33	Fast live simultaneous multiwavelength four-dimensional optical microscopy. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 16016-16022.	7.1	176
34	Dual-axis target mapping and automated sequential acquisition of dual-axis EM tomographic data. Journal of Structural Biology, 2009, 168, 323-331.	2.8	13
35	The SUMO Pathway Is Developmentally Regulated and Required for Programmed DNA Elimination in Paramecium tetraurelia. Eukaryotic Cell, 2006, 5, 806-815.	3.4	13
36	Analysis of Paramecium tetraurelia A-51 Surface Antigen Gene Mutants Reveals Positive-Feedback Mechanisms for Maintenance of Expression and Temperature-Induced Activation. Eukaryotic Cell, 2005, 4, 1613-1619.	3.4	6

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37	Non-Mendelian Inheritance Induced by Gene Amplification in the Germ Nucleus of Paramecium tetraurelia. Genetics, 2005, 169, 137-147.	2.9	0
38	Identification of Single Nucleotide Mutations That Prevent Developmentally Programmed DNA Elimination in Paramecium tetraurelia. Journal of Eukaryotic Microbiology, 2004, 51, 664-669.	1.7	9
39	Stable maintenance of duplicated chromosomes carrying the mutant pwB gene in Paramecium tetraurelia. Genetical Research, 2001, 78, 1-12.	0.9	1
40	The molecular basis for the alternative stable phenotype in a behavioral mutant of Paramecium tetraurelia.. Genes and Genetic Systems, 2001, 76, 289-294.	0.7	4
41	An unusual complementation in non-excitable mutants in Paramecium. Genetical Research, 2000, 76, 125-133.	0.9	4