

Atsuo Iida

List of Publications by Year in descending order

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papers

661
citations

623734

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48
all docs

48
docs citations

48
times ranked

876
citing authors

#	ARTICLE	IF	CITATIONS
1	Synchrotron X-ray muprobe and its application to human hair analysis. Nuclear Instruments & Methods in Physics Research B, 1993, 82, 129-138.	1.4	75
2	Mapping technique for biodistribution of elements in a model organism, Caenorhabditis elegans, after exposure to copper nanoparticles with microbeam synchrotron radiation X-ray fluorescence. Journal of Analytical Atomic Spectrometry, 2008, 23, 1121.	3.0	75
3	Focal adhesions are essential to drive zebrafish heart valve morphogenesis. Journal of Cell Biology, 2019, 218, 1039-1054.	5.2	47
4	Vertebrate DNA Transposon as a Natural Mutator: The Medaka Fish Tol2 Element Contributes to Genetic Variation without Recognizable Traces. Molecular Biology and Evolution, 2006, 23, 1414-1419.	8.9	43
5	Metalloprotease-Dependent Onset of Blood Circulation in Zebrafish. Current Biology, 2010, 20, 1110-1116.	3.9	38
6	Rap1b Promotes Notch-Signal-Mediated Hematopoietic Stem Cell Development by Enhancing Integrin-Mediated Cell Adhesion. Developmental Cell, 2019, 49, 681-696.e6.	7.0	34
7	The medaka fish Tol2 transposable element can undergo excision in human and mouse cells. Journal of Human Genetics, 2003, 48, 231-235.	2.3	30
8	Mother-to-embryo vitellogenin transport in a viviparous teleost <i>Xenotoca eiseni</i> . Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 22359-22365.	7.1	30
9	Targeted reduction of the DNA methylation level with 5-azacytidine promotes excision of the medaka fish Tol2 transposable element. Genetical Research, 2006, 87, 187-193.	0.9	26
10	The Tyrosinase Gene of the <i>ib</i> Albino Mutant of the Medaka Fish Carries a Transposable Element Insertion in the Promoter Region. Pigment Cell & Melanoma Research, 2004, 17, 158-164.	3.6	20
11	Integrin $\beta 1$ activity is required for cardiovascular formation in zebrafish. Genes To Cells, 2018, 23, 938-951.	1.2	20
12	The Sal-like 4 - integrin $\beta 1$ network promotes cell migration for metastasis via activation of focal adhesion dynamics in basal-like breast cancer cells. Biochimica Et Biophysica Acta - Molecular Cell Research, 2017, 1864, 76-88.	4.1	19
13	Characterization of the Local Layer Structure of a Broad Wall in a Surface Stabilized Ferroelectric Liquid Crystal Using Synchrotron X-Ray Micro-Diffraction. Japanese Journal of Applied Physics, 1996, 35, 160-167.	1.5	17
14	Chiral smectic transition phases appearing near the electric-field-induced phase transition observed by resonant microbeam x-ray scattering. Physical Review E, 2014, 89, 032503.	2.1	17
15	Prenatal regression of the trophotaenial placenta in a viviparous fish, <i>Xenotoca eiseni</i> . Scientific Reports, 2015, 5, 7855.	3.3	16
16	Reversion mutation of <i>ib</i> oculocutaneous albinism to wild-type pigmentation in medaka fish. Pigment Cell & Melanoma Research, 2005, 18, 382-384.	3.6	14
17	Dynamic local-layer response of surface-stabilized ferroelectric liquid crystals to a high electric field by time-resolved x-ray microdiffraction. Physical Review E, 2003, 67, 051706.	2.1	11
18	Definite existence of subphases with eight- and ten-layer unit cells as studied by complementary methods, electric-field-induced birefringence and microbeam resonant x-ray scattering. Physical Review E, 2017, 96, 012701.	2.1	11

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19	Remarkable effect of a lateral substituent on the molecular ordering of chiral liquid crystal phases: A novel bromo-containing dichiral compound showing SmC* variants. <i>Journal of Materials Chemistry</i> , 2011, 21, 4465.	6.7	10
20	ADAM12-deficient zebrafish exhibit retardation in body growth at the juvenile stage without developmental defects. <i>Development Growth and Differentiation</i> , 2016, 58, 409-421.	1.5	10
21	Generation of a transgenic medaka (<i>Oryzias latipes</i>) strain for visualization of nuclear dynamics in early developmental stages. <i>Development Growth and Differentiation</i> , 2016, 58, 679-687.	1.5	10
22	Effective long-range interlayer interactions and electric-field-induced subphases in ferroelectric liquid crystals. <i>Physical Review E</i> , 2016, 93, 042707.	2.1	8
23	Preliminary Study on the Chemical Mapping of Individual Fluid Inclusion by Synchrotron X-ray Fluorescence Microprobe. <i>Resource Geology</i> , 2001, 51, 259-262.	0.8	7
24	Quantitative effective atomic number imaging using simultaneous x-ray absorption and phase shift measurement. <i>Applied Physics Letters</i> , 2011, 98, 111902.	3.3	7
25	Transitional subphases near the electric-field-induced phase transition to the ferroelectric phase in Se-containing chiral smectic liquid crystals observed by resonant x-ray scattering. <i>Physical Review E</i> , 2016, 94, 052703.	2.1	7
26	Characterization of the Local Layer Structure of a Narrow Wall in a Surface Stabilized Ferroelectric Liquid Crystal Using Synchrotron X-Ray Micro-Diffraction. <i>Japanese Journal of Applied Physics</i> , 2001, 40, 1345-1351.	1.5	6
27	Low transposition frequency of the medaka fish Tol2 element may be due to extranuclear localization of its transposase. <i>Genes and Genetic Systems</i> , 2004, 79, 119-124.	0.7	6
28	Transmyocardial revascularization aggravates myocardial ischemia around the channels in the immediate phase. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2000, 279, H1392-H1396.	3.2	5
29	Unexpected electric-field-induced antiferroelectric liquid crystal phase in the SmC^* temperature range and the discrete flexoelectric effect. <i>Physical Review E</i> , 2019, 100, 010701.	2.1	5
30	Dynamic Layer Response under Electric Field in Antiferroelectric Liquid Crystal Cells Measured by Synchrotron Microbeam Time Resolved X-Ray Diffraction. <i>Molecular Crystals and Liquid Crystals</i> , 2001, 365, 853-860.	0.3	3
31	Dynamic and microscopic X-ray characterization of a compound chevron layer in electroclinic liquid crystals. <i>Liquid Crystals</i> , 2005, 32, 717-726.	2.2	3
32	X-ray characterisation of local molecular orientation in the electroclinic effect of surface-stabilised SmA liquid crystals. <i>Liquid Crystals</i> , 2010, 37, 1091-1096.	2.2	3
33	Elemental depth profiling with a wire in microbeam X-ray fluorescence analysis. <i>X-Ray Spectrometry</i> , 2011, 40, 376-378.	1.4	3
34	Resonant x-ray scattering observation of transitional subphases during the electric-field-induced phase transition in a mixture of Se-containing chiral smectic liquid crystals. <i>Physical Review E</i> , 2018, 97, 062702.	2.1	3
35	In silico analysis-based identification of the target residue of integrin $\beta 6$ for metastasis inhibition of basal-like breast cancer. <i>Genes To Cells</i> , 2019, 24, 596-607.	1.2	3
36	Characterization of focal conics in chiral smectic C liquid crystals by X-ray microdiffraction. <i>Liquid Crystals</i> , 2007, 34, 1285-1290.	2.2	2

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37	Elemental and chemical state depth analysis by combined use of a polycapillary and a thin wire in a synchrotron X-ray microprobe. <i>X-Ray Spectrometry</i> , 2017, 46, 225-228.	1.4	2
38	Disruption of <i>integrin $\alpha 4$</i> in zebrafish leads to cephalic hemorrhage during development. <i>Genes and Genetic Systems</i> , 2019, 94, 177-179.	0.7	2
39	Male-specific asymmetric curvature of anal fin in a viviparous teleost, <i>Xenotoca eiseni</i> . <i>Zoology</i> , 2019, 134, 1-7.	1.2	2
40	Generation and evaluation of a transgenic zebrafish for tissue-specific expression of a dominant-negative Rho-associated protein kinase-2. <i>Biochemical and Biophysical Research Communications</i> , 2020, 525, 8-13.	2.1	2
41	Quantitative Mass Density Image Reconstructed from the Complex X-Ray Refractive Index. <i>PLoS ONE</i> , 2015, 10, e0131401.	2.5	2
42	Temperature and Electric Field Dependences of the Local Layer Structure in Anti-Ferroelectric Liquid Crystals Measured by X-Ray Micro-Diffraction. <i>Ferroelectrics</i> , 2004, 311, 41-50.	0.6	1
43	X-ray microdiffraction study of the half-V-shaped switching liquid crystal. <i>Powder Diffraction</i> , 2004, 19, 53-55.	0.2	1
44	Primitive Erythroblast Cell Autonomously Regulates the Timing of Blood Circulation Onset via a Control of Adherence to Endothelium. , 2014, , 185-195.		0