

Martin Distel

List of Publications by Year in descending order

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Version: 2024-02-01

55
papers

3,121
citations

304743

22
h-index

175258

52
g-index

62
all docs

62
docs citations

62
times ranked

4499
citing authors

#	ARTICLE	IF	CITATIONS
1	Multispectral opto-acoustic tomography of deep-seated fluorescent proteins in vivo. <i>Nature Photonics</i> , 2009, 3, 412-417.	31.4	632
2	Artemisinins Target GABAA Receptor Signaling and Impair \pm Cell Identity. <i>Cell</i> , 2017, 168, 86-100.e15.	28.9	330
3	Optimized Gal4 genetics for permanent gene expression mapping in zebrafish. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 13365-13370.	7.1	275
4	A zebrafish model of tauopathy allows in vivo imaging of neuronal cell death and drug evaluation. <i>Journal of Clinical Investigation</i> , 2009, 119, 1382-1395.	8.2	238
5	Sarcoma treatment in the era of molecular medicine. <i>EMBO Molecular Medicine</i> , 2020, 12, e11131.	6.9	154
6	The centrosome neither persistently leads migration nor determines the site of axonogenesis in migrating neurons in vivo. <i>Journal of Cell Biology</i> , 2010, 191, 875-890.	5.2	145
7	Kita Driven Expression of Oncogenic HRAS Leads to Early Onset and Highly Penetrant Melanoma in Zebrafish. <i>PLoS ONE</i> , 2010, 5, e15170.	2.5	134
8	Gata2b is a restricted early regulator of hemogenic endothelium in the zebrafish embryo. <i>Development (Cambridge)</i> , 2015, 142, 1050-1061.	2.5	117
9	Automated Reporter Quantification In Vivo: High-Throughput Screening Method for Reporter-Based Assays in Zebrafish. <i>PLoS ONE</i> , 2012, 7, e29916.	2.5	96
10	Discrete Notch signaling requirements in the specification of hematopoietic stem cells. <i>EMBO Journal</i> , 2014, 33, 2363-2373.	7.8	87
11	The long adventurous journey of rhombic lip cells in jawed vertebrates: a comparative developmental analysis. <i>Frontiers in Neuroanatomy</i> , 2011, 5, 27.	1.7	86
12	Green α Light α Induced Inactivation of Receptor Signaling Using Cobalamin α Binding Domains. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 4608-4611.	13.8	85
13	Microbiota promote secretory cell determination in the intestinal epithelium by modulating host Notch signaling. <i>Development (Cambridge)</i> , 2018, 145, .	2.5	64
14	Quo natus, Danio?â€”Recent Progress in Modeling Cancer in Zebrafish. <i>Frontiers in Oncology</i> , 2017, 7, 186.	2.8	56
15	Lunatic fringe promotes the lateral inhibition of neurogenesis. <i>Development (Cambridge)</i> , 2009, 136, 2523-2533.	2.5	48
16	Global Repression of Cancer Gene Expression in a Zebrafish Model of Melanoma Is Linked to Epigenetic Regulation. <i>Zebrafish</i> , 2009, 6, 417-424.	1.1	48
17	In Vivo Time-Lapse Imaging of Zebrafish Embryonic Development. <i>Cold Spring Harbor Protocols</i> , 2007, 2007, pdb.prot4816-pdb.prot4816.	0.3	46
18	Non-invasive whole-body imaging of adult zebrafish with optoacoustic tomography. <i>Physics in Medicine and Biology</i> , 2012, 57, 7227-7237.	3.0	41

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19	Fast Dynamic in vivo Monitoring of Erk Activity at Single Cell Resolution in DREKA Zebrafish. <i>Frontiers in Cell and Developmental Biology</i> , 2018, 6, 111.	3.7	33
20	Functional optical coherence tomography and photoacoustic microscopy imaging for zebrafish larvae. <i>Biomedical Optics Express</i> , 2020, 11, 2137.	2.9	33
21	LIN28B increases neural crest cell migration and leads to transformation of trunk sympathoadrenal precursors. <i>Cell Death and Differentiation</i> , 2020, 27, 1225-1242.	11.2	25
22	A Preclinical Embryonic Zebrafish Xenograft Model to Investigate CAR T Cells in Vivo. <i>Cancers</i> , 2020, 12, 567.	3.7	25
23	Dual modality reflection mode optical coherence and photoacoustic microscopy using an akinetic sensor. <i>Optics Letters</i> , 2017, 42, 4319.	3.3	24
24	Live-imaging of endothelial Erk activity reveals dynamic and sequential signalling events during regenerative angiogenesis. <i>ELife</i> , 2021, 10, .	6.0	24
25	<i>In Vivo</i> Photocontrol of Microtubule Dynamics and Integrity, Migration and Mitosis, by the Potent GFP-Imaging-Compatible Photoswitchable Reagents SBTubA4P and SBTub2M. <i>Journal of the American Chemical Society</i> , 2022, 144, 5614-5628.	13.7	24
26	Silencer-delimited transgenesis: NRSE/RE1 sequences promote neural-specific transgene expression in a NRSF/REST-dependent manner. <i>BMC Biology</i> , 2012, 10, 93.	3.8	22
27	A kinome-wide RNAi screen identifies ALK as a target to sensitize neuroblastoma cells for HDAC8-inhibitor treatment. <i>Cell Death and Differentiation</i> , 2018, 25, 2053-2070.	11.2	22
28	A pH-sensitive Macromolecular Prodrug as TLR7/8 Targeting Immune Response Modifier. <i>Chemistry - A European Journal</i> , 2017, 23, 17721-17726.	3.3	20
29	Rapid In Vivo Validation of HDAC Inhibitor-Based Treatments in Neuroblastoma Zebrafish Xenografts. <i>Pharmaceuticals</i> , 2020, 13, 345.	3.8	19
30	Studying cellular and subcellular dynamics in the developing zebrafish nervous system. <i>Experimental Neurology</i> , 2013, 242, 1-10.	4.1	14
31	Ultra-high-resolution SD-OCM imaging with a compact polarization-aligned 840 nm broadband combined-SLED source. <i>Biomedical Optics Express</i> , 2020, 11, 3395.	2.9	14
32	An optical coherence photoacoustic microscopy system using a fiber optic sensor. <i>APL Photonics</i> , 2021, 6, .	5.7	13
33	Non-neuromodulatory Optogenetic Tools in Zebrafish. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 418.	3.7	12
34	An inhibitor-mediated beta-cell dedifferentiation model reveals distinct roles for FoxO1 in glucagon repression and insulin maturation. <i>Molecular Metabolism</i> , 2021, 54, 101329.	6.5	12
35	A detailed proteomic profiling of plasma membrane from zebrafish brain. <i>Proteomics - Clinical Applications</i> , 2016, 10, 1264-1268.	1.6	11
36	Non-destructive characterization of adult zebrafish models using Jones matrix optical coherence tomography. <i>Biomedical Optics Express</i> , 2022, 13, 2202.	2.9	10

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37	In vivo cell biology using Gal4 mediated multicolour subcellular labelling in zebrafish. Communicative and Integrative Biology, 2011, 4, 336-339.	1.4	9
38	Targeting Olfactory Bulb Neurons Using Combined <i>In Vivo</i> Electroporation and Gal4-Based Enhancer Trap Zebrafish Lines. Journal of Visualized Experiments, 2011, , .	0.3	7
39	Multicolor in vivo time-lapse imaging at cellular resolution by stereomicroscopy. Developmental Dynamics, 2006, 235, 1100-06.	1.8	7
40	Photocaged Hoechst Enables Subnuclear Visualization and Cell Selective Staining of DNA <i>in vivo</i> . ChemBioChem, 2021, 22, 548-556.	2.6	6
41	Using Zebrafish Larvae as a Xenotransplantation Model to Study Ewing Sarcoma. Methods in Molecular Biology, 2021, 2226, 243-255.	0.9	5
42	Fgf8 dynamics and critical slowing down may account for the temperature independence of somitogenesis. Communications Biology, 2022, 5, 113.	4.4	5
43	A Model of Somitogenesis. Journal of Statistical Physics, 2019, 175, 729-742.	1.2	4
44	Studying the Tumor Microenvironment in Zebrafish. Advances in Experimental Medicine and Biology, 2021, 1329, 69-92.	1.6	4
45	Zebrafish <i>jam2</i> Gal4 enhancer trap line recapitulates endogenous <i>jam2</i> expression in extraocular muscles. Developmental Dynamics, 2015, 244, 1574-1580.	1.8	3
46	The centrosome neither persistently leads migration nor determines the site of axonogenesis in migrating neurons in vivo. Journal of Cell Biology, 2010, 191, 1413-1413.	5.2	2
47	Molecular Multicolor Multiphoton in Vivo Bioimaging Based on a Direct Diode Pumped Ti:sapphire Oscillator. IEEE Journal of Selected Topics in Quantum Electronics, 2021, 27, 1-9.	2.9	2
48	Toward Quantitative in vivo Label-Free Tracking of Lipid Distribution in a Zebrafish Cancer Model. Frontiers in Cell and Developmental Biology, 2021, 9, 675636.	3.7	2
49	Targeting HRASV12G Expression to the Zebrafish Early Hemogenic Progenitors Induces a Myeloproliferative Disorder by Repressing the Notch Pathway. Blood, 2012, 120, 4676-4676.	1.4	1
50	Preclinical testing of CAR T cells in zebrafish xenografts. Methods in Cell Biology, 2022, 167, 133-147.	1.1	1
51	Imaging the Cell Biology of Neuronal Migration in Zebrafish. , 2010, , 35-67.		0
52	Dual modality reflection mode optical coherence and photoacoustic microscopy using an akinetic sensor: publisher's note. Optics Letters, 2018, 43, 4345.	3.3	0
53	10.1063/5.0059351.1. , 2021, , .		0
54	Optoacoustic Imaging of Adult Zebrafish. , 2010, , .		0

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55	Rapid, non-destructive, and volumetric characterization of zebrafish tumor models using Jones-matrix optical coherence tomography. , 2022, , .		0