

Tomonori Deguchi

List of Publications by Year in descending order

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37
papers

1,163
citations

430874

18
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377865

34
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37
docs citations

37
times ranked

1345
citing authors

#	ARTICLE	IF	CITATIONS
1	Infrared laser-mediated gene induction in targeted single cells in vivo. <i>Nature Methods</i> , 2009, 6, 79-81.	19.0	165
2	Generation of medaka gene knockout models by target-selected mutagenesis. <i>Genome Biology</i> , 2006, 7, R116.	9.6	137
3	A systematic genome-wide screen for mutations affecting organogenesis in Medaka, <i>Oryzias latipes</i> . <i>Mechanisms of Development</i> , 2004, 121, 647-658.	1.7	126
4	Photothermic regulation of gene expression triggered by laser-induced carbon nanohorns. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 7523-7528.	7.1	96
5	Infrared laser-mediated local gene induction in medaka, zebrafish and <i>Arabidopsis thaliana</i> . <i>Development Growth and Differentiation</i> , 2009, 51, 769-775.	1.5	64
6	High-resolution melting curve analysis for rapid detection of mutations in a Medaka TILLING library. <i>BMC Molecular Biology</i> , 2010, 11, 70.	3.0	62
7	Non-neuronal acetylcholine as an endogenous regulator of proliferation and differentiation of Lgr5-positive stem cells in mice. <i>FEBS Journal</i> , 2014, 281, 4672-4690.	4.7	59
8	Valves Are a Conserved Feature of the Zebrafish Lymphatic System. <i>Developmental Cell</i> , 2019, 51, 374-386.e5.	7.0	36
9	Mutations affecting liver development and function in Medaka, <i>Oryzias latipes</i> , screened by multiple criteria. <i>Mechanisms of Development</i> , 2004, 121, 791-802.	1.7	35
10	Mutations affecting the formation of posterior lateral line system in Medaka, <i>Oryzias latipes</i> . <i>Mechanisms of Development</i> , 2004, 121, 729-738.	1.7	31
11	Mutations affecting gonadal development in Medaka, <i>Oryzias latipes</i> . <i>Mechanisms of Development</i> , 2004, 121, 829-839.	1.7	29
12	Osteogenic potential of rat stromal cells derived from periodontal ligament. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2011, 5, 798-805.	2.7	28
13	Mutations affecting thymus organogenesis in Medaka, <i>Oryzias latipes</i> . <i>Mechanisms of Development</i> , 2004, 121, 779-789.	1.7	27
14	Identification of a Functional Medaka Heat Shock Promoter and Characterization of Its Ability to Induce Exogenous Gene Expression in Medaka in Vitro and In Vivo. <i>Zoological Science</i> , 2010, 27, 410-415.	0.7	23
15	Mutations affecting early distribution of primordial germ cells in Medaka (<i>Oryzias latipes</i>) embryo. <i>Mechanisms of Development</i> , 2004, 121, 817-828.	1.7	22
16	Identification of radiation-sensitive mutants in the Medaka, <i>Oryzias latipes</i> . <i>Mechanisms of Development</i> , 2004, 121, 895-902.	1.7	21
17	Mutations affecting retina development in Medaka. <i>Mechanisms of Development</i> , 2004, 121, 703-714.	1.7	20
18	Application of Infrared Laser to the Zebrafish Vascular System. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2013, 33, 1264-1270.	2.4	20

#	ARTICLE	IF	CITATIONS
19	Pharmacological characterization of isoproterenol-treated medaka fish. <i>Pharmacological Research</i> , 2008, 58, 348-355.	7.1	19
20	Mutations affecting somite formation in the Medaka (<i>Oryzias latipes</i>). <i>Mechanisms of Development</i> , 2004, 121, 659-671.	1.7	18
21	Genetic dissection of the formation of the forebrain in Medaka, <i>Oryzias latipes</i> . <i>Mechanisms of Development</i> , 2004, 121, 673-685.	1.7	17
22	Mutations affecting retinotectal axonal pathfinding in Medaka, <i>Oryzias latipes</i> . <i>Mechanisms of Development</i> , 2004, 121, 715-728.	1.7	17
23	Central Connection of the Optic, Oculomotor, Trochlear and Abducens Nerves in Medaka, <i>Oryzias latipes</i> . <i>Zoological Science</i> , 2005, 22, 321-332.	0.7	15
24	In vivo visualization of the lymphatic vessels in pFLT4 β -EGFP transgenic medaka. <i>Genesis</i> , 2012, 50, 625-634.	1.6	12
25	Characterization of a nervous system-specific promoter for growth-associated protein 43 gene in Medaka (<i>Oryzias latipes</i>). <i>Brain Research</i> , 2008, 1245, 1-15.	2.2	10
26	Functional and comparative genomics analyses of pmp22 in medaka fish. <i>BMC Neuroscience</i> , 2009, 10, 60.	1.9	8
27	Abnormal nuclear morphology is independent of longevity in a zmpste24 -deficient fish model of Hutchinson-Gilford progeria syndrome (HGPS). <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2018, 209, 54-62.	2.6	8
28	Molecular cloning and gene expression of the prox1a and prox1b genes in the medaka, <i>Oryzias latipes</i> . <i>Gene Expression Patterns</i> , 2009, 9, 341-347.	0.8	7
29	Expression patterns of the Egr1 and Egr3 genes during medaka embryonic development. <i>Gene Expression Patterns</i> , 2009, 9, 209-214.	0.8	6
30	Generation of Xeroderma Pigmentosum-A Patient-Derived Induced Pluripotent Stem Cell Line for Use As Future Disease Model. <i>Cellular Reprogramming</i> , 2015, 17, 268-274.	0.9	6
31	Transgenic medaka fish which mimic the endogenous expression of neuronal kinesin, KIF5A. <i>Brain Research</i> , 2012, 1480, 12-21.	2.2	5
32	Molecular cloning and expression of the col2a1a and col2a1b genes in the medaka, <i>Oryzias latipes</i> . <i>Gene Expression Patterns</i> , 2012, 12, 46-52.	0.8	5
33	Intergenic region between TATA-box binding protein and proteasome subunit C3 genes of Medaka function as the bidirectional promoter in vitro and in vivo. <i>Gene</i> , 2012, 511, 177-186.	2.2	3
34	Intraperitoneal dye injection method for visualizing the functioning lymphatic vascular system in zebrafish and medaka. <i>Developmental Dynamics</i> , 2020, 249, 679-692.	1.8	3
35	Identification and developmental expression of leucine-rich repeat-containing G protein-coupled receptor 6 (lgr6) in the medaka fish, <i>Oryzias latipes</i> . <i>Development Genes and Evolution</i> , 2012, 222, 217-227.	0.9	2
36	Title is missing!. <i>Comparative Endocrinology</i> , 2010, 36, 68-71.	0.1	1

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37	Gfap transgenic medaka as a novel reporter line for neural stem cells. <i>Gene</i> , 2022, 820, 146213.	2.2	0