Koichi Kawakami, å·ä¸æµ©ä¸€

List of Publications by Year
in descending order

161 papers	12,804 citations	28274 55 h-index	29157 104 g-index
169 all docs	169 docs citations	169 times ranked	12429 citing authors

#	Article	IF	Citations
1	A Transposon-Mediated Gene Trap Approach Identifies Developmentally Regulated Genes in Zebrafish. Developmental Cell, 2004, 7, 133-144.	7.0	767
2	Genetic dissection of neural circuits by Tol2 transposon-mediated Gal4 gene and enhancer trapping in zebrafish. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 1255-1260.	7.1	505
3	Functional Dissection of the Tol2 Transposable Element Identified the Minimal cis-Sequence and a Highly Repetitive Sequence in the Subterminal Region Essential for Transposition. Genetics, 2006, 174, 639-649.	2.9	487
4	Tol2: a versatile gene transfer vector in vertebrates. Genome Biology, 2007, 8, S7.	9.6	442
5	Targeting neural circuitry in zebrafish using GAL4 enhancer trapping. Nature Methods, 2007, 4, 323-326.	19.0	375
6	The habenula is crucial for experience-dependent modification of fear responses in zebrafish. Nature Neuroscience, 2010, 13, 1354-1356.	14.8	348
7	Migration of Zebrafish Primordial Germ Cells: A Role for Myosin Contraction and Cytoplasmic Flow. Developmental Cell, 2006, 11, 613-627.	7.0	331
8	Insertional mutagenesis and rapid cloning of essential genes in zebrafish. Nature, 1996, 383, 829-832.	27.8	269
9	Transposon tools and methods in zebrafish. Developmental Dynamics, 2005, 234, 244-254.	1.8	268
10	Transgenesis and Gene Trap Methods in Zebrafish by Using the Tol2 Transposable Element. Methods in Cell Biology, 2004, 77, 201-222.	1.1	247
11	Real-Time Visualization of Neuronal Activity during Perception. Current Biology, 2013, 23, 307-311.	3.9	240
12	Stable integration and conditional expression of electroporated transgenes in chicken embryos. Developmental Biology, 2007, 305, 616-624.	2.0	237
13	Evaluating the biological relevance of putative enhancers using Tol2 transposon-mediated transgenesis in zebrafish. Nature Protocols, 2006, 1, 1297-1305.	12.0	235
14	Transposon-mediated BAC transgenesis in zebrafish. Nature Protocols, 2011, 6, 1998-2021.	12.0	206
15	Illuminating cell-cycle progression in the developing zebrafish embryo. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 20812-20817.	7.1	205
16	Comparative Analysis of Transposable Element Vector Systems in Human Cells. Molecular Therapy, 2010, 18, 1200-1209.	8.2	205
17	Transgenesis in Zebrafish with the Tol2 Transposon System. Methods in Molecular Biology, 2009, 561, 41-63.	0.9	197
18	Transgenic tools to characterize neuronal properties of discrete populations of zebrafish neurons. Development (Cambridge), 2013, 140, 3927-3931.	2.5	194

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19	Development of the circadian oscillator during differentiation of mouse embryonic stem cells in vitro. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 3846-3851.	7.1	189
20	Genetic visualization with an improved GCaMP calcium indicator reveals spatiotemporal activation of the spinal motor neurons in zebrafish. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 5425-5430.	7.1	181
21	Arteries provide essential guidance cues for lymphatic endothelial cells in the zebrafish trunk. Development (Cambridge), 2010, 137, 2653-2657.	2.5	176
22	Interaction with surrounding normal epithelial cells influences signalling pathways and behaviour of Src-transformed cells. Journal of Cell Science, 2010, 123, 171-180.	2.0	175
23	Identification of the Tol2 transposase of the medaka fish Oryzias latipes that catalyzes excision of a nonautonomous Tol2 element in zebrafish Danio rerio. Gene, 1999, 240, 239-244.	2.2	171
24	CSF-contacting neurons regulate locomotion by relaying mechanical stimuli to spinal circuits. Nature Communications, 2016, 7, 10866.	12.8	162
25	Excision of the Tol2 transposable element of the medaka fish, Oryzias latipes, in zebrafish, Danio rerio. Gene, 1998, 225, 17-22.	2.2	161
26	Targeted gene expression by the Gal4â€UAS system in zebrafish. Development Growth and Differentiation, 2008, 50, 391-399.	1.5	155
27	Efficient genetic modification and germ-line transmission of primordial germ cells using piggyBac and Tol2 transposons. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, E1466-72.	7.1	150
28	zTrap: zebrafish gene trap and enhancer trap database. BMC Developmental Biology, 2010, 10, 105.	2.1	147
29	Insertional mutagenesis by theTol2transposon-mediated enhancer trap approach generated mutations in two developmental genes:tcf7andsynembryn-like. Development (Cambridge), 2008, 135, 159-169.	2.5	142
30	A cardiac myosin light chain kinase regulates sarcomere assembly in the vertebrate heart. Journal of Clinical Investigation, 2007, 117, 2812-2824.	8.2	140
31	Transposon-mediated BAC transgenesis in zebrafish and mice. BMC Genomics, 2009, 10, 477.	2.8	139
32	Spatiotemporal localization of germ plasm RNAs during zebrafish oogenesis. Mechanisms of Development, 2007, 124, 279-289.	1.7	133
33	Transposition of the Tol2 Element, an Ac-Like Element From the Japanese Medaka Fish Oryzias latipes, in Mouse Embryonic Stem Cells. Genetics, 2004, 166, 895-899.	2.9	132
34	Olfactory neural circuitry for attraction to amino acids revealed by transposon-mediated gene trap approach in zebrafish. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 9884-9889.	7.1	128
35	Visualization and exploration of Tcf/Lef function using a highly responsive Wnt/Î²-catenin signaling-reporter transgenic zebrafish. Developmental Biology, 2012, 370, 71-85.	2.0	124
36	Neural signatures of sleep in zebrafish. Nature, 2019, 571, 198-204.	27.8	114

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37	Identification of a neuronal population in the telencephalon essential for fear conditioning in zebrafish. BMC Biology, 2018, 16, 45.	3.8	111
38	Proviral insertions in the zebrafish hagoromo gene, encoding an F-box/WD40-repeat protein, cause stripe pattern anomalies. Current Biology, 2000, 10, 463-466.	3.9	107
39	Activation of the hypothalamic feeding centre upon visual prey detection. Nature Communications, 2017, 8, 15029.	12.8	98
40	Left Habenula Mediates Light-Preference Behavior in Zebrafish via an Asymmetrical Visual Pathway. Neuron, 2017, 93, 914-928.e4.	8.1	96
41	Tol2 transposon-mediated transgenesis inXenopus tropicalis. Genesis, 2006, 44, 438-445.	1.6	92
42	Localization of ammonia transporter Rhcg1 in mitochondrion-rich cells of yolk sac, gill, and kidney of zebrafish and its ionic strength-dependent expression. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2007, 293, R1743-R1753.	1.8	86
43	The Tol2-mediated Gal4-UAS method for gene and enhancer trapping in zebrafish. Methods, 2009, 49, 275-281.	3.8	85
44	Mib-Jag1-Notch signalling regulates patterning and structural roles of the notochord by controlling cell-fate decisions. Development (Cambridge), 2010, 137, 2527-2537.	2.5	80
45	Endothelial Ca2+ oscillations reflect VEGFR signaling-regulated angiogenic capacity in vivo. ELife, 2015, 4, .	6.0	79
46	Haemodynamically dependent valvulogenesis of zebrafish heart is mediated by flow-dependent expression of miR-21. Nature Communications, 2013, 4, 1978.	12.8	76
47	Patterning the zebrafish diencephalon by the conserved zinc-finger protein Fezl. Development (Cambridge), 2007, 134, 127-136.	2.5	73
48	Nitro-fatty acids and cyclopentenone prostaglandins share strategies to activate the Keap1-Nrf2 system: a study using green fluorescent protein transgenic zebrafish. Genes To Cells, 2011, 16, 46-57.	1.2	70
49	Wnt/Dkk Negative Feedback Regulates Sensory Organ Size in Zebrafish. Current Biology, 2013, 23, 1559-1565.	3.9	70
50	Mechanism of development of ionocytes rich in vacuolar-type H+-ATPase in the skin of zebrafish larvae. Developmental Biology, 2009, 329, 116-129.	2.0	69
51	A simple and highly efficient transgenesis method in mice with the Tol2 transposon system and cytoplasmic microinjection. Genomics, 2010, 95, 306-311.	2.9	69
52	Establishment of Gal4 transgenic zebrafish lines for analysis of development of cerebellar neural circuitry. Developmental Biology, 2015, 397, 1-17.	2.0	66
53	Transposon-mediated gene trapping in zebrafish. Methods, 2006, 39, 199-206.	3.8	65
54	Transposons As Tools for Functional Genomics in Vertebrate Models. Trends in Genetics, 2017, 33, 784-801.	6.7	64

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55	Cadherin is required for dendritic morphogenesis and synaptic terminal organization of retinal horizontal cells. Development (Cambridge), 2006, 133, 4085-4096.	2.5	63
56	Neuronal Birth Order Identifies a Dimorphic Sensorineural Map. Journal of Neuroscience, 2012, 32, 2976-2987.	3.6	63
57	Optimization of a Neurotoxin to Investigate the Contribution of Excitatory Interneurons to Speed Modulation InÂVivo. Current Biology, 2016, 26, 2319-2328.	3.9	62
58	Photoactivation of the CreER^{T2} Recombinase for Conditional Site-Specific Recombination with High Spatiotemporal Resolution. Zebrafish, 2010, 7, 199-204.	1.1	61
59	Migration of neuronal precursors from the telencephalic ventricular zone into the olfactory bulb in adult zebrafish. Journal of Comparative Neurology, 2011, 519, 3549-3565.	1.6	59
60	Mechanism of pectoral fin outgrowth in zebrafish development. Development (Cambridge), 2012, 139, 2916-2925.	2.5	59
61	Epidermal regulation of bone morphogenesis through the development and regeneration of osteoblasts in the zebrafish scale. Developmental Biology, 2018, 437, 105-119.	2.0	59
62	Optogenetic modulation of TDP-43 oligomerization accelerates ALS-related pathologies in the spinal motor neurons. Nature Communications, 2020, 11, 1004.	12.8	59
63	Prey capture in zebrafish larvae serves as a model to study cognitive functions. Frontiers in Neural Circuits, 2013, 7, 110.	2.8	58
64	A zebrafish model of intrahepatic cholangiocarcinoma by dual expression of hepatitis B virus X and hepatitis C virus core protein in liver. Hepatology, 2012, 56, 2268-2276.	7.3	57
65	Efficient transposition of the Tol2 transposable element from a single-copy donor in zebrafish. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 19827-19832.	7.1	56
66	Transient and Stable Transgenesis Using Tol2 Transposon Vectors. Methods in Molecular Biology, 2009, 546, 69-84.	0.9	55
67	A virtual reality system to analyze neural activity and behavior in adult zebrafish. Nature Methods, 2020, 17, 343-351.	19.0	53
68	Nodal signals mediate interactions between the extra-embryonic and embryonic tissues in zebrafish. Developmental Biology, 2007, 310, 363-378.	2.0	52
69	The Genetic Basis of Morphological Diversity in Domesticated Goldfish. Current Biology, 2020, 30, 2260-2274.e6.	3.9	52
70	Mutant KCNJ3 and KCNJ5 Potassium Channels as Novel Molecular Targets in Bradyarrhythmias and Atrial Fibrillation. Circulation, 2019, 139, 2157-2169.	1.6	51
71	Excision of the Tol2 transposable element of the medaka fish Oryzias latipes in Xenopus laevis and Xenopus tropicalis. Gene, 2004, 338, 93-98.	2.2	49
72	Deubiquitinating enzymes regulate Hes1 stability and neuronal differentiation. FEBS Journal, 2015, 282, 2411-2423.	4.7	47

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73	Transcriptional regulation of a myeloid-lineage specific gene lysozyme C during zebrafish myelopoiesis. Mechanisms of Development, 2009, 126, 314-323.	1.7	45
74	Cellular dynamics of regeneration reveals role of two distinct Pax7 stem cell populations in larval zebrafish muscle repair. DMM Disease Models and Mechanisms, 2016, 9, 671-84.	2.4	45
75	Chromatin-prebound Crm1 recruits Nup98-HoxA9 fusion to induce aberrant expression of Hox cluster genes. ELife, 2016, 5, e09540.	6.0	45
76	The ubiquitin proteasome system is required for cell proliferation of the lens epithelium and for differentiation of lens fiber cells in zebrafish. Development (Cambridge), 2010, 137, 3257-3268.	2.5	44
77	Proteasome subunit PSMC3 variants cause neurosensory syndrome combining deafness and cataract due to proteotoxic stress. EMBO Molecular Medicine, 2020, 12, e11861.	6.9	43
78	Tol2-mediated Transgenesis, Gene Trapping, Enhancer Trapping, and the Gal4-UAS System. Methods in Cell Biology, 2011, 104, 23-49.	1.1	42
79	The Zebrafish pob Gene Encodes a Novel Protein Required for Survival of Red Cone Photoreceptor CellsSequence data from this article have been deposited with the EMBL/GenBank Data Libraries under accession no. AY745978.. Genetics, 2005, 170, 263-273.	2.9	41
80	High-resolution live imaging reveals axon-glia interactions during peripheral nerve injury and repair in zebrafish. DMM Disease Models and Mechanisms, 2015, 8, 553-564.	2.4	41
81	A Novel Zebrafish ret Heterozygous Model of Hirschsprung Disease Identifies a Functional Role for mapk10 as a Modifier of Enteric Nervous System Phenotype Severity. PLoS Genetics, 2016, 12, e1006439.	3.5	40
82	Neural circuitry for stimulus selection in the zebrafish visual system. Neuron, 2021, 109, 805-822.e6.	8.1	40
83	Innervation is required for sense organ development in the lateral line system of adult zebrafish. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 5659-5664.	7.1	39
84	Developmental toxicity and brain aromatase induction by high genistein concentrations in zebrafish embryos. Toxicology Mechanisms and Methods, 2009, 19, 251-256.	2.7	38
85	Diversification of non-visual photopigment parapinopsin in spectral sensitivity for diverse pineal functions. BMC Biology, 2015, 13, 73.	3.8	38
86	Transposition of the Tol2 Element, an Ac-Like Element From the Japanese Medaka Fish Oryzias latipes, in Mouse Embryonic Stem Cells. Genetics, 2004, 166, 895-899.	2.9	38
87	Simultaneous expression of different transgenes in neurons and glia by combining in utero electroporation with the Tol2 transposonâ€mediated gene transfer system. Genes To Cells, 2010, 15, 501-512.	1.2	37
88	Different combinations of Notch ligands and receptors regulate V2 interneuron progenitor proliferation and V2a/V2b cell fate determination. Developmental Biology, 2014, 391, 196-206.	2.0	37
89	The Fugu tyrp1 promoter directs specific GFP expression in zebrafish: tools to study the RPE and the neural crest-derived melanophores. Pigment Cell & Melanoma Research, 2006, 19, 615-627.	3.6	36
90	Development of Cerebellar Neurons and Glias Revealed by in Utero Electroporation: Golgi-Like Labeling of Cerebellar Neurons and Glias. PLoS ONE, 2013, 8, e70091.	2.5	36

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91	Differential Role for Transcription Factor Oct4 Nucleocytoplasmic Dynamics in Somatic Cell Reprogramming and Self-renewal of Embryonic Stem Cells. Journal of Biological Chemistry, 2013, 288, 15085-15097.	3.4	35
92	Cellular dissection of the spinal cord motor column by BAC transgenesis and gene trapping in zebrafish. Frontiers in Neural Circuits, 2013, 7, 100.	2.8	32
93	The parallel growth of motoneuron axons with the dorsal aorta depends on Vegfc/Vegfr3 signaling in zebrafish. Development (Cambridge), 2013, 140, 4081-4090.	2.5	30
94	Granule cells control recovery from classical conditioned fear responses in the zebrafish cerebellum. Scientific Reports, 2017, 7, 11865.	3.3	30
95	Deletion of a kinesin I motor unmasks a mechanism of homeostatic branching control by neurotrophin-3. ELife, 2015, 4, .	6.0	30
96	A novel conserved evx1 enhancer links spinal interneuron morphology and cis-regulation from fish to mammals. Developmental Biology, 2009, 325, 422-433.	2.0	29
97	Imaging functional neural circuits in zebrafish with a new GCaMP and the Gal4FF-UAS system. Communicative and Integrative Biology, 2011, 4, 566-568.	1.4	29
98	A novel zebrafish intestinal tumor model reveals a role for cyp7a1-dependent tumor-liver crosstalk in tumor's adverse effects on host. DMM Disease Models and Mechanisms, 2018, 11, .	2.4	29
99	Recapitulation of zebrafish sncga expression pattern and labeling the habenular complex in transgenic zebrafish using green fluorescent protein reporter gene. Developmental Dynamics, 2009, 238, 746-754.	1.8	28
100	Glycinergic transmission and postsynaptic activation of Ca<scp>MKII</scp> are required for glycine receptor clustering in vivo. Genes To Cells, 2013, 18, 211-224.	1.2	28
101	A transgenic zebrafish for monitoring in vivo microtubule structures. Developmental Dynamics, 2010, 239, 2695-2699.	1.8	27
102	Targeted expression of a chimeric channelrhodopsin in zebrafish under regulation of Gal4-UAS system. Neuroscience Research, 2013, 75, 69-75.	1.9	27
103	Proteolysis regulates cardiomyocyte maturation and tissue integration. Nature Communications, 2017, 8, 14495.	12.8	27
104	Involvement of Androgen Receptor in Sex Determination in an Amphibian Species. PLoS ONE, 2014, 9, e93655.	2.5	27
105	G2R Cre reporter transgenic zebrafish. Developmental Dynamics, 2008, 237, 2460-2465.	1.8	26
106	Nitroreductase-mediated Gonadal Dysgenesis for Infertility Control of Genetically Modified Zebrafish. Marine Biotechnology, 2010, 12, 569-578.	2.4	26
107	Progressive neurogenesis defines lateralis somatotopy. Developmental Dynamics, 2010, 239, 1919-1930.	1.8	26
108	A tRNA-based multiplex sgRNA expression system in zebrafish and its application to generation of transgenic albino fish. Scientific Reports, 2018, 8, 13366.	3.3	26

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109	The PCP protein Vangl2 regulates migration of hindbrain motor neurons by acting in floor plate cells, and independently of cilia function. Developmental Biology, 2013, 382, 400-412.	2.0	25
110	Imaging functional neural circuits in zebrafish with a new GCaMP and the Gal4FF-UAS system. Communicative and Integrative Biology, 2011, 4, 566-8.	1.4	24
111	Chapter 14 Transposonâ€Mediated Stable Integration and Tetracyclineâ€Inducible Expression of Electroporated Transgenes in Chicken Embryos. Methods in Cell Biology, 2008, 87, 271-280.	1.1	23
112	Protocadherin-Mediated Cell Repulsion Controls the Central Topography and Efferent Projections of the Abducens Nucleus. Cell Reports, 2018, 24, 1562-1572.	6.4	23
113	misty somites, a maternal effect gene identified by transposon-mediated insertional mutagenesis in zebrafish that is essential for the somite boundary maintenance. Developmental Biology, 2008, 316, 383-396.	2.0	22
114	Benomyl induction of brain aromatase and toxic effects in the zebrafish embryo. Journal of Applied Toxicology, 2009, 29, 289-294.	2.8	22
115	Formation of the spinal network in zebrafish determined by domainâ€specific pax genes. Journal of Comparative Neurology, 2011, 519, 1562-1579.	1.6	21
116	A new mode of pancreatic islet innervation revealed by live imaging in zebrafish. ELife, 2018, 7, .	6.0	20
117	The ciliary protein Nek8/Nphp9 acts downstream of Inv/Nphp2 during pronephros morphogenesis and leftâ€“right establishment in zebrafish. FEBS Letters, 2012, 586, 2273-2279.	2.8	19
118	Gbx2 functions as a transcriptional repressor to regulate the specification and morphogenesis of the midâ€“hindbrain junction in a dosage- and stage-dependent manner. Mechanisms of Development, 2013, 130, 532-552.	1.7	19
119	Neuronal Circuits That Control Rhythmic Pectoral Fin Movements in Zebrafish. Journal of Neuroscience, 2020, 40, 6678-6690.	3.6	18
120	Reactivation of Notch signaling is required for cardiac valve regeneration. Scientific Reports, 2019, 9, 16059.	3.3	17
121	Analysis of Genes and Genome by the Tol2-Mediated Gene and Enhancer Trap Methods. Methods in Molecular Biology, 2009, 546, 85-102.	0.9	16
122	KCNJ8/ABCC9-containing K-ATP channel modulates brain vascular smooth muscle development and neurovascular coupling. Developmental Cell, 2022, 57, 1383-1399.e7.	7.0	16
123	Tol2-Mediated Gene Transfer and In Ovo Electroporation of the Otic Placode: A Powerful and Versatile Approach for Investigating Embryonic Development and Regeneration of the Chicken Inner Ear. Methods in Molecular Biology, 2012, 916, 127-139.	0.9	15
124	Transposition of the vertebrate Tol2 transposable element in Drosophila melanogaster. Gene, 2008, 425, 64-68.	2.2	14
125	Stable, conditional, and muscleâ€fiberâ€specific expression of electroporated transgenes in chick limb muscle cells. Developmental Dynamics, 2011, 240, 1223-1232.	1.8	14
126	Calcium Imaging of Neuronal Activity in Free-Swimming Larval Zebrafish. Methods in Molecular Biology, 2016, 1451, 333-341.	0.9	14

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127	Gastrointestinal Neurons Expressing HCN4 Regulate Retrograde Peristalsis. Cell Reports, 2020, 30, 2879-2888.e3.	6.4	14
128	Pyramidal Neurons of the Zebrafish Tectum Receive Highly Convergent Input From Torus Longitudinalis. Frontiers in Neuroanatomy, 2021, 15, 636683.	1.7	14
129	Interhemispheric asymmetry of olfactory input-dependent neuronal specification in the adult brain. Nature Neuroscience, 2013, 16, 884-888.	14.8	13
130	The Development and Growth of Tissues Derived from Cranial Neural Crest and Primitive Mesoderm Is Dependent on the Ligation Status of Retinoic Acid Receptor Î³: Evidence That Retinoic Acid Receptor Î³ Functions to Maintain Stem/Progenitor Cells in the Absence of Retinoic Acid. Stem Cells and Development, 2015, 24, 507-519.	2.1	13
131	Analysis of transcription factors expressed at the anterior mouse limb bud. PLoS ONE, 2017, 12, e0175673.	2.5	13
132	Zebrafish eggs used as bioreactors for the production of bioactive tilapia insulin-like growth factors. Transgenic Research, 2011, 20, 73-83.	2.4	12
133	An mnr2b/hlxb9lb enhancer trap line that labels spinal and abducens motor neurons in zebrafish. Developmental Dynamics, 2012, 241, 327-332.	1.8	12
134	Visualization of Neuregulin 1 ectodomain shedding reveals its local processing in vitro and in vivo. Scientific Reports, 2016, 6, 28873.	3.3	12
135	Connexin 39.9 Protein Is Necessary for Coordinated Activation of Slow-twitch Muscle and Normal Behavior in Zebrafish. Journal of Biological Chemistry, 2012, 287, 1080-1089.	3.4	11
136	Stable and bicistronic expression of two genes in somite- and lateral plate-derived tissues to study chick limb development. BMC Developmental Biology, 2015, 15, 39.	2.1	11
137	Zebrafish can regenerate endoskeleton in larval pectoral fin but the regenerative ability declines. Developmental Biology, 2020, 463, 110-123.	2.0	11
138	Mixture of differentially tagged Tol2 transposons accelerates conditional disruption of a broad spectrum of genes in mouse embryonic stem cells. Nucleic Acids Research, 2012, 40, e97-e97.	14.5	10
139	Efficient transient rescue of hematopoietic mutant phenotypes in zebrafish usingTol2â€mediated transgenesis. Development Growth and Differentiation, 2010, 52, 245-250.	1.5	9
140	Generating libraries of iTol2-end insertions at BAC ends using loxP and lox511 Tn10 transposons. BMC Genomics, 2011, 12, 351.	2.8	9
141	Gsx2 is required for specification of neurons in the inferior olivary nuclei from Ptf1a-expressing neural progenitors in zebrafish. Development (Cambridge), 2020, 147, .	2.5	9
142	Involvement of Cerebellar Neural Circuits in Active Avoidance Conditioning in Zebrafish. ENeuro, 2021, 8, ENEURO.0507-20.2021.	1.9	8
143	A combination of transposable elements and magnetic cell sorting provides a very efficient transgenesis system for chicken primary erythroid progenitors. BMC Biotechnology, 2009, 9, 81.	3.3	7
144	Identification and characterization of alternative promoters of zebrafish Rtn-4/Nogo genes in cultured cells and zebrafish embryos. Nucleic Acids Research, 2010, 38, 4635-4650.	14.5	7

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145	Pattern of fin rays along the antero-posterior axis based on their connection to distal radials. Zoological Letters, 2019, 5, 30.	1.3	7
146	Development of the anterior lateral line system through local tissueâ€tissue interactions in the zebrafish head. Developmental Dynamics, 2020, 249, 1440-1454.	1.8	7
147	Estrogen-responsive transient expression assay using a brain aromatase-based reporter gene in zebrafish (Danio rerio). Comparative Medicine, 2009, 59, 416-23.	1.0	7
148	A novel gene trap line for visualization and manipulation of erbb3b+ neural crest and glial cells in zebrafish. Developmental Biology, 2022, 482, 114-123.	2.0	7
149	Transgenic line with gal4 insertion useful to study morphogenesis of craniofacial perichondrium, vascular endotheliumâ€associated cells, floor plate, and dorsal midline radial glia during zebrafish development. Development Growth and Differentiation, 2012, 54, 202-215.	1.5	6
150	Ablation of a Neuronal Population Using a Two-photon Laser and Its Assessment Using Calcium Imaging and Behavioral Recording in Zebrafish Larvae. Journal of Visualized Experiments, 2018, , .	0.3	6
151	Shootins mediate collective cell migration and organogenesis of the zebrafish posterior lateral line system. Scientific Reports, 2019, 9, 12156.	3.3	6
152	Transient and lineage-restricted requirement of Ebf3 for sternum ossification. Development (Cambridge), 2020, 147, .	2.5	6
153	Illuminating ALS Motor Neurons With Optogenetics in Zebrafish. Frontiers in Cell and Developmental Biology, 2021, 9, 640414.	3.7	5
154	Zebrafish lines expressing UASâ€driven red probes for monitoring cytoskeletal dynamics. Genesis, 2016, 54, 483-489.	1.6	4
155	Enteric nervous system can regenerate in zebrafish larva via migration into the ablated area and proliferation of neural crest-derived cells. Development (Cambridge), 2021, 148, .	2.5	4
156	Integrated Behavioral, Genetic and Brain Circuit Visualization Methods to Unravel Functional Anatomy of Zebrafish Amygdala. Frontiers in Neuroanatomy, 2022, 16, .	1.7	4
157	Retinoic acid signaling regulates late stages of semicircular canal morphogenesis and otolith maintenance in the zebrafish inner ear. Developmental Dynamics, 2022, 251, 1798-1815.	1.8	2
158	Fluorescence-Activated Cell Sorting and Gene Expression Profiling of GFP-Positive Cells from Transgenic Zebrafish Lines. Methods in Molecular Biology, 2016, 1451, 93-106.	0.9	1
159	Developmental independence of median fins from the larval fin fold revises their evolutionary origin. Scientific Reports, 2022, 12, 7521.	3.3	1
160	Remodeling of the hyomandibular skeleton and facial nerve positioning during embryonic and postembryonic development of teleost fish. Developmental Biology, 2022, 489, 134-145.	2.0	1
161	A Newly Identified Population of Gastrointestinal Neurons Expressing HCN4 Regulates Retrograde Peristalsis. SSRN Electronic Journal, 0, , .	0.4	0