Cheol-Hee Kim

List of Publications by Year
in descending order

167 papers	8,523 citations	53751 45 h-index	53190 85 g-index
172 all docs	172 docs citations	172 times ranked	12090 citing authors

#	Article	IF	Citations
1	Notch signaling is required for arterial-venous differentiation during embryonic vascular development. Development (Cambridge), 2001, 128, 3675-3683.	1.2	768
2	Mind Bomb Is a Ubiquitin Ligase that Is Essential for Efficient Activation of Notch Signaling by Delta. Developmental Cell, 2003, 4, 67-82.	3.1	716
3	Analysis of Upstream Elements in the HuC Promoter Leads to the Establishment of Transgenic Zebrafish with Fluorescent Neurons. Developmental Biology, 2000, 227, 279-293.	0.9	382
4	Repressor activity of Headless/Tcf3 is essential for vertebrate head formation. Nature, 2000, 407, 913-916.	13.7	364
5	Zebrafish elav/HuC homologue as a very early neuronal marker. Neuroscience Letters, 1996, 216, 109-112.	1.0	264
6	Highly efficient gene knockout in mice and zebrafish with RNA-guided endonucleases. Genome Research, 2014, 24, 125-131.	2.4	249
7	Mind bomb 1 is essential for generating functional Notch ligands to activate Notch. Development (Cambridge), 2005, 132, 3459-3470.	1.2	221
8	Zebrafish as a new model for phenotype-based screening of melanogenic regulatory compounds. Pigment Cell & Melanoma Research, 2007, 20, 120-127.	4.0	201
9	Zebrafish as an animal model for biomedical research. Experimental and Molecular Medicine, 2021, 53, 310-317.	3.2	170
10	Mutations in DDX58, which Encodes RIG-I, Cause Atypical Singleton-Merten Syndrome. American Journal of Human Genetics, 2015, 96, 266-274.	2.6	169
11	WDR11, a WD Protein that Interacts with Transcription Factor EMX1, Is Mutated in Idiopathic Hypogonadotropic Hypogonadism and Kallmann Syndrome. American Journal of Human Genetics, 2010, 87, 465-479.	2.6	165
12	Optogenetic control of endogenous Ca2+ channels in vivo. Nature Biotechnology, 2015, 33, 1092-1096.	9.4	147
13	CCDC41 is required for ciliary vesicle docking to the mother centriole. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 5987-5992.	3.3	145
14	miR-182 is a negative regulator of osteoblast proliferation, differentiation, and skeletogenesis through targeting FoxO1. Journal of Bone and Mineral Research, 2012, 27, 1669-1679.	3.1	143
15	A novel homeobox gene, dharma, can induce the organizer in a non-cell-autonomousâ€‰manner. Genes and Development, 1998, 12, 2345-2353.	2.7	118
16	Visualization of myelination in GFPâ€transgenic zebrafish. Developmental Dynamics, 2010, 239, 592-597.	0.8	112
17	An Obligatory Role of Mind Bomb-1 in Notch Signaling of Mammalian Development. PLoS ONE, 2007, 2, e1221.	1.1	105
18	Molecular cloning and functional expression of gicerin, a novel cell adhesion molecule that binds to neurite outgrowth factor. Neuron, 1994, 12, 861-872.	3.8	96

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19	Mind Bomb-2 Is an E3 Ligase for Notch Ligand. Journal of Biological Chemistry, 2005, 280, 22335-22342.	1.6	93
20	Real-time imaging of mitochondria in transgenic zebrafish expressing mitochondrially targeted GFP. BioTechniques, 2008, 45, 331-334.	0.8	89
21	Synthesis of a new fluorescent small molecule probe and its use for in vivo lipid imaging. Chemical Communications, 2011, 47, 7500.	2.2	88
22	Zebrafish knockout of Down syndrome gene, DYRK1A, shows social impairments relevant to autism. Molecular Autism, 2017, 8, 50.	2.6	86
23	Syntabulin, a motor protein linker, controls dorsal determination. Development (Cambridge), 2010, 137, 923-933.	1.2	84
24	Overexpression of neurogenin induces ectopic expression of HuC in zebrafish. Neuroscience Letters, 1997, 239, 113-116.	1.0	81
25	Specification of an anterior neuroectoderm patterning by Frizzled8a-mediated Wnt8b signalling during late gastrulation in zebrafish. Development (Cambridge), 2002, 129, 4443-4455.	1.2	81
26	Structural comparison of zebrafish Elav/Hu and their differential expressions during neurogenesis. Neuroscience Letters, 2000, 279, 81-84.	1.0	79
27	Comparative study on antifungal activities of chitosan nanoparticles and chitosan silver nano composites against Fusarium oxysporum species complex. International Journal of Biological Macromolecules, 2017, 105, 478-488.	3.6	79
28	Reduction of Squalene Epoxidase by Cholesterol Accumulation Accelerates Colorectal Cancer Progression and Metastasis. Gastroenterology, 2021, 160, 1194-1207.e28.	0.6	75
29	Ganglioside GM3 is involved in neuronal cell death. FASEB Journal, 2006, 20, 1248-1250.	0.2	73
30	A role foriro1andiro7in the establishment of an anteroposterior compartment of the ectoderm adjacent to the midbrain-hindbrain boundary. Development (Cambridge), 2002, 129, 2317-2327.	1.2	73
31	A novel zebrafish human tumor xenograft model validated for anti-cancer drug screening. Molecular BioSystems, 2012, 8, 1930.	2.9	71
32	Innate Color Preference of Zebrafish and Its Use in Behavioral Analyses. Molecules and Cells, 2016, 39, 750-755.	1.0	71
33	Phosphorylation and Transactivation of Pax6 by Homeodomain-interacting Protein Kinase 2. Journal of Biological Chemistry, 2006, 281, 7489-7497.	1.6	66
34	The MST1/2-SAV1 complex of the Hippo pathway promotes ciliogenesis. Nature Communications, 2014, 5, 5370.	5.8	64
35	An atypical 12q24.31 microdeletion implicates six genes including a histone demethylase KDM2B and a histone methyltransferase SETD1B in syndromic intellectual disability. Human Genetics, 2016, 135, 757-771.	1.8	64
36	Crystal Structure of the Human N-Myc Downstream-regulated Gene 2 Protein Provides Insight into Its Role as a Tumor Suppressor. Journal of Biological Chemistry, 2011, 286, 12450-12460.	1.6	60

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37	Translocations Disrupting PHF21A in the Potocki-Shaffer-Syndrome Region Are Associated with Intellectual Disability and Craniofacial Anomalies. American Journal of Human Genetics, 2012, 91, 56-72.	2.6	59
38	Cloning and expression analysis of a Parkinsonâ€™s disease gene, uch-L1, and its promoter in zebrafish. Biochemical and Biophysical Research Communications, 2003, 312, 601-607.	1.0	58
39	Highly Selective Cysteine Detection and Bioimaging in Zebrafish through Emission Color Change of Water-Soluble Conjugated Polymer-Based Assay Complex. ACS Applied Materials & Interfaces, 2012, 4, 1429-1433.	4.0	56
40	Genetic evidence for involvement of maternally derived Wnt canonical signaling in dorsal determination in zebrafish. Mechanisms of Development, 2004, 121, 371-386.	1.7	55
41	Notch signaling can regulate endoderm formation in zebrafish. Developmental Dynamics, 2004, 229, 756-762.	0.8	51
42	Generation of Demyelination Models by Targeted Ablation of Oligodendrocytes in the Zebrafish CNS. Molecules and Cells, 2013, 36, 82-87.	1.0	49
43	WDR11â€mediated Hedgehog signalling defects underlie a new ciliopathy related to Kallmann syndrome. EMBO Reports, 2018, 19, 269-289.	2.0	49
44	Four twist genes in zebrafish, four expression patterns. Developmental Dynamics, 2007, 236, 2615-2626.	0.8	48
45	Inhibition of MKK7â€“JNK by the TOR Signaling Pathway Regulator-Like Protein Contributes to Resistance of HCC Cells to TRAIL-Induced Apoptosis. Gastroenterology, 2012, 143, 1341-1351.	0.6	48
46	ZC4H2, an XLID gene, is required for the generation of a specific subset of CNS interneurons. Human Molecular Genetics, 2015, 24, 4848-4861.	1.4	48
47	The Transcription Factor Protein Sox11 Enhances Early Osteoblast Differentiation by Facilitating Proliferation and the Survival of Mesenchymal and Osteoblast Progenitors. Journal of Biological Chemistry, 2013, 288, 25400-25413.	1.6	47
48	Silver nanoparticles enhance wound healing in zebrafish (Danio rerio). Fish and Shellfish Immunology, 2017, 68, 536-545.	1.6	47
49	Neuralized-2 Regulates a Notch Ligand in Cooperation with Mind Bomb-1. Journal of Biological Chemistry, 2006, 281, 36391-36400.	1.6	46
50	Feeding of nano scale oats Î²-glucan enhances the host resistance against Edwardsiella tarda and protective immune modulation in zebrafish larvae. Fish and Shellfish Immunology, 2017, 60, 72-77.	1.6	46
51	Permanent Genetic Resources added to Molecular Ecology Resources Database 1 October 2010-30 November 2010. Molecular Ecology Resources, 2011, 11, 418-421.	2.2	43
52	Expression and Functional Analysis of a Novel Isoform of Gicerin, an Immunoglobulin Superfamily Cell Adhesion Molecule. Journal of Biological Chemistry, 1995, 270, 28681-28687.	1.6	42
53	Reciprocal control of excitatory synapse numbers by Wnt and Wnt inhibitor PRR7 secreted on exosomes. Nature Communications, 2018, 9, 3434.	5.8	42
54	Metabolic profiling of an alcoholic fatty liver in zebrafish (Danio rerio). Molecular BioSystems, 2012, 8, 2001.	2.9	41

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55	Targeted knockout of a chemokine-like gene increases anxiety and fear responses. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E1041-E1050.	3.3	39
56	Mutations in FAM50A suggest that Armfield XLID syndrome is a spliceosomopathy. Nature Communications, 2020, 11, 3698.	5.8	38
57	IFT46 plays an essential role in cilia development. Developmental Biology, 2015, 400, 248-257.	0.9	37
58	In vitro and in vivo osteogenic activity of licochalcone A. Amino Acids, 2012, 42, 1455-1465.	1.2	36
59	Notch Signaling Promotes the Generation of EphrinB1-Positive Intestinal Epithelial Cells. Gastroenterology, 2009, 137, 145-155.e3.	0.6	34
60	Pimozide suppresses cancer cell migration and tumor metastasis through binding to ARPC2, a subunit of the Arp2/3 complex. Cancer Science, 2019, 110, 3788-3801.	1.7	34
61	Specification of an anterior neuroectoderm patterning by Frizzled8a-mediated Wnt8b signalling during late gastrulation in zebrafish. Development (Cambridge), 2002, 129, 4443-55.	1.2	34
62	Establishment of a Bone-Specific col10a1:GFP Transgenic Zebrafish. Molecules and Cells, 2013, 36, 145-150.	1.0	33
63	Characterization of two frizzled8 homologues expressed in the embryonic shield and prechordal plate of zebrafish embryos1The entire nucleotide sequences for Zfz8a and Zfz8b cDNA were deposited to the GenBank database under the Accession numbers AF060697 and AF060696, respectively.1. Mechanisms of Development, 1998, 78, 193-198.	1.7	32
64	Zath3, a neural basic helix-loop-helix gene, regulates early neurogenesis in the zebrafish. Biochemical and Biophysical Research Communications, 2003, 308, 184-190.	1.0	32
65	Molecular characterization, immune responses and DNA protection activity of rock bream (Oplegnathus fasciatus), peroxiredoxin 6 (Prx6). Fish and Shellfish Immunology, 2012, 33, 28-35.	1.6	32
66	A colorimetric and fluorescent probe for rapid detection of glutathione and its application to tissue specific bio-imaging in living cells and zebrafish. Sensors and Actuators B: Chemical, 2018, 262, 306-312.	4.0	32
67	Novel TRAIL sensitizer Taraxacum officinale F.H. Wigg enhances TRAIL-induced apoptosis in Huh7 cells. Molecular Carcinogenesis, 2016, 55, 387-396.	1.3	30
68	Disruption of PHF21A causes syndromic intellectual disability with craniofacial anomalies, epilepsy, hypotonia, and neurobehavioral problems including autism. Molecular Autism, 2019, 10, 35.	2.6	30
69	Human ZNF312b Promotes the Progression of Gastric Cancer by Transcriptional Activation of the K-ras Gene. Cancer Research, 2009, 69, 3131-3139.	0.4	29
70	HtrA1 Is a Novel Antagonist Controlling Fibroblast Growth Factor (FGF) Signaling via Cleavage of FGF8. Molecular and Cellular Biology, 2012, 32, 4482-4492.	1.1	29
71	A diaminomaleonitrile-appended BODIPY chemosensor for the selective detection of Cu2+ via oxidative cyclization and imaging in SiHa cells and zebrafish. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 233, 118179.	2.0	29
72	Isolation and expression of a novel neuron-specific onecut homeobox gene in zebrafish. Mechanisms of Development, 2002, 112, 199-202.	1.7	28

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73	TC1(C8orf4) Is a Novel Endothelial Inflammatory Regulator Enhancing NF-Î¹B Activity. Journal of Immunology, 2009, 183, 3996-4002.	0.4	28
74	Chd7 Is Critical for Early T-Cell Development and Thymus Organogenesis in Zebrafish. American Journal of Pathology, 2018, 188, 1043-1058.	1.9	28
75	PLEKHG3 enhances polarized cell migration by activating actin filaments at the cell front. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 10091-10096.	3.3	27
76	Fucoidan promotes mechanosensory hair cell regeneration following amino glycoside-induced cell death. Hearing Research, 2011, 282, 236-242.	0.9	26
77	The microcephaly gene aspm is involved in brain development in zebrafish. Biochemical and Biophysical Research Communications, 2011, 409, 640-644.	1.0	25
78	FIH-1, a Novel Interactor of Mindbomb, Functions as an Essential Anti-Angiogenic Factor during Zebrafish Vascular Development. PLoS ONE, 2014, 9, e109517.	1.1	25
79	A water-soluble boronate masked benzoindocyanin fluorescent probe for the detection of endogenous mitochondrial peroxynitrite in live cells and zebrafish as inflammation models. Dyes and Pigments, 2021, 191, 109371.	2.0	25
80	Cloning and expression of the quaking gene in the zebrafish embryo1Sequence data from this article have been deposited with the Genbank data libraries under accession number U62134.1. Mechanisms of Development, 1997, 69, 209-213.	1.7	24
81	Impact of NAD(P)H:Quinone Oxidoreductase-1 on Pigmentation. Journal of Investigative Dermatology, 2010, 130, 784-792.	0.3	24
82	Predicted drug-induced bradycardia related cardio toxicity using a zebrafish in vivo model is highly correlated with results from in vitro tests. Toxicology Letters, 2013, 216, 9-15.	0.4	24
83	Rnf220cooperates withZc4h2to specify spinal progenitor domains. Development (Cambridge), 2018, 145, .	1.2	24
84	Nucleologenesis and embryonic genome activation are defective in interspecies cloned embryos between bovine ooplasm and rhesus monkey somatic cells. BMC Developmental Biology, 2009, 9, 44.	2.1	23
85	The transcription factor snail regulates osteogenic differentiation by repressing Runx2 expression. Bone, 2010, 46, 1498-1507.	1.4	23
86	Frizzled 8a function is required for oligodendrocyte development in the zebrafish spinal cord. Developmental Dynamics, 2008, 237, 3324-3331.	0.8	22
87	Snx5, as a Mind bomb-binding protein, is expressed in hematopoietic and endothelial precursor cells in zebrafish. FEBS Letters, 2006, 580, 4409-4416.	1.3	21
88	Evolution of the Tbx6/16 Subfamily Genes in Vertebrates: Insights from Zebrafish. Molecular Biology and Evolution, 2012, 29, 3959-3983.	3.5	21
89	2â€²â€²Hydroxycinnamaldehyde inhibits proliferation and induces apoptosis via signal transducer and activator of transcription 3 inactivation and reactive oxygen species generation. Cancer Science, 2019, 110, 366-378.	1.7	21
90	A homeobox gene,pnx, is involved in the formation of posterior neurons in zebrafish. Development (Cambridge), 2003, 130, 1853-1865.	1.2	20

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91	Over-expression of Reticulon 3 (RTN3) enhances TRAIL-mediated apoptosis via up-regulation of death receptor 5 (DR5) and down-regulation of c-FLIP. Cancer Letters, 2009, 279, 185-192.	3.2	20
92	Zebrafish type XVII collagen: Gene structures, expression profiles, and morpholino â€œknock-downâ€• phenotypes. Matrix Biology, 2010, 29, 629-637.	1.5	20
93	Synthesis of LipidGreen2 and its application in lipid and fatty liver imaging. Molecular BioSystems, 2013, 9, 630.	2.9	20
94	Through-bond energy transfer based dyad and triad shape fluorescence â€œOFF-ON-OFFâ€•probes for Hg2+ ions and their application in live HeLa cells and Zebrafish. Sensors and Actuators B: Chemical, 2017, 240, 1272-1282.	4.0	20
95	Pharmacological (ethanol) and mutation (sam2 KO) induced impairment of novelty preference in zebrafish quantified using a new three-chamber social choice task. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2019, 88, 53-65.	2.5	20
96	Peroxiredoxin I is important for cancer-cell survival in Ras-induced hepatic tumorigenesis. Oncotarget, 2016, 7, 68044-68056.	0.8	20
97	Gicerin/Cd146 is involved in zebrafish cardiovascular development and tumor angiogenesis. Genes To Cells, 2010, 15, 1099-1110.	0.5	19
98	Plausibility of the zebrafish embryos/larvae as an alternative animal model for autism: A comparison study of transcriptome changes. PLoS ONE, 2018, 13, e0203543.	1.1	19
99	Expression of miRNA-122 Induced by Liver Toxicants in Zebrafish. BioMed Research International, 2016, 2016, 1-7.	0.9	18
100	Trimethyltin chloride inhibits neuronal cell differentiation in zebrafish embryo neurodevelopment. Neurotoxicology and Teratology, 2016, 54, 29-35.	1.2	18
101	Isolation and expression of Napor/CUG-BP2 in embryo development. Biochemical and Biophysical Research Communications, 2003, 305, 448-454.	1.0	17
102	Enhanced Delivery of Adenovirus, Using Proteoliposomes Containing Wildtype or V156K Apolipoprotein A-I and Dimyristoylphosphatidylcholine. Human Gene Therapy, 2010, 21, 579-587.	1.4	17
103	The polymorphism (-600 C>A) of CpG methylation site at the promoter region of CYP17A1 and its association of male infertility and testosterone levels. Gene, 2014, 534, 107-112.	1.0	16
104	Prostacyclin stimulates embryonic development via regulation of the cAMP response element-binding protein - cyclo-oxygenase-2 signalling pathway in cattle. Reproduction, Fertility and Development, 2009, 21, 400.	0.1	15
105	Structural and Physiological Exploration of Salmonella Typhi YfdX Uncovers Its Dual Function in Bacterial Antibiotic Stress and Virulence. Frontiers in Microbiology, 2019, 9, 3329.	1.5	15
106	Development of diarylpentadienone analogues as alpha-glucosidase inhibitor: Synthesis, in vitro biological and in vivo toxicity evaluations, and molecular docking analysis. Bioorganic Chemistry, 2020, 104, 104277.	2.0	15
107	Comparative Genomic Mapping Implicates LRRK2 for Intellectual Disability and Autism at 12q12, and HDHD1, as Well as PNPLA4, for X-Linked Intellectual Disability at Xp22.31. Journal of Clinical Medicine, 2020, 9, 274.	1.0	15
108	Phosphinateâ€“benzoindocyanin fluorescent probe for endogenous mitochondrial peroxynitrite detection in living cells and gallbladder access in inflammatory zebrafish animal models. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2022, 267, 120568.	2.0	15

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109	Her4-Positive Population in the Tectum Opticum Is Proliferating Neural Precursors in the Adult Zebrafish Brain. Molecules and Cells, 2012, 33, 627-632.	1.0	14
110	Development of zebrafish medulloblastoma-like PNET model by TALEN-mediated somatic gene inactivation. Oncotarget, 2017, 8, 55280-55297.	0.8	14
111	ESCRT subunit CHMP4B localizes to primary cilia and is required for the structural integrity of the ciliary membrane. FASEB Journal, 2020, 34, 1331-1344.	0.2	14
112	Plasma glutamate carboxypeptidase is a negative regulator in liver cancer metastasis. Oncotarget, 2016, 7, 79774-79786.	0.8	14
113	Induction of clusterin Expression by Neuronal Cell Death in Zebrafish. Journal of Genetics and Genomics, 2014, 41, 583-589.	1.7	13
114	Deficiency of a brain-specific chemokine-like molecule, SAM3, induces cardinal phenotypes of autism spectrum disorders in mice. Scientific Reports, 2017, 7, 16503.	1.6	13
115	Piperlongumine derivative, CG-06 , inhibits STAT3 activity by direct binding to STAT3 and regulating the reactive oxygen species in DU145 prostate carcinoma cells. Bioorganic and Medicinal Chemistry Letters, 2018, 28, 2566-2572.	1.0	13
116	Generation of foxn1/Casper Mutant Zebrafish for Allograft and Xenograft of Normal and Malignant Cells. Stem Cell Reports, 2020, 15, 749-760.	2.3	13
117	Regulation of habenular G-protein gamma 8 on learning and memory via modulation of the central acetylcholine system. Molecular Psychiatry, 2021, 26, 3737-3750.	4.1	12
118	Spirulina maxima Derived Pectin Nanoparticles Enhance the Immunomodulation, Stress Tolerance, and Wound Healing in Zebrafish. Marine Drugs, 2020, 18, 556.	2.2	12
119	Neuron-specific expression of a chicken gicerin cDNA in transient transgenic zebrafish. Neurochemical Research, 1996, 21, 231-237.	1.6	11
120	Isolation and expression analysis of Alzheimer's diseaseâ€“related gene xb51 in zebrafish. Developmental Dynamics, 2008, 237, 3921-3926.	0.8	11
121	Neuron-Specific Expression of Scratch Genes during Early Zebrafish Development. Molecules and Cells, 2011, 31, 471-476.	1.0	10
122	The tetrapeptide Arg-Leu-Tyr-Glu inhibits VEGF-induced angiogenesis. Biochemical and Biophysical Research Communications, 2015, 463, 532-537.	1.0	10
123	MCRS1 associates with cytoplasmic dynein and mediates pericentrosomal material recruitment. Scientific Reports, 2016, 6, 27284.	1.6	10
124	p-Coumaric Acid Potently Down-regulates Zebrafish Embryo Pigmentation: Comparison ofin vivoAssay and Computational Molecular Modeling with Phenylthiourea. Biomedical Science Letters, 2017, 23, 8-16.	0.0	10
125	Cancerâ€upregulated gene 2 (CUG2) overexpression induces apoptosis in SKOVâ€3 cells. Cell Biochemistry and Function, 2010, 28, 461-468.	1.4	9
126	Acute ethanol induces behavioral changes and alters c-fos expression in specific brain regions, including the mammillary body, in zebrafish. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2021, 109, 110264.	2.5	9

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127	Confirmation of a linkage between H-Ras and MMP-13 expression as well as MMP-9 by chemical genomic approach. International Journal of Cancer, 2006, 118, 2172-2181.	2.3	8
128	Her4 is necessary for establishing peripheral projections of the trigeminal ganglia in zebrafish. Biochemical and Biophysical Research Communications, 2009, 379, 22-26.	1.0	8
129	Angiopoietin-like 3 regulates hepatocyte proliferation and lipid metabolism in zebrafish. Biochemical and Biophysical Research Communications, 2014, 446, 1237-1242.	1.0	8
130	Loss of abcd4 in zebrafish leads to vitamin B12-deficiency anemia. Biochemical and Biophysical Research Communications, 2019, 514, 1264-1269.	1.0	8
131	Eif2b3 mutants recapitulate phenotypes of vanishing white matter disease and validate novel disease alleles in zebrafish. Human Molecular Genetics, 2021, 30, 331-342.	1.4	8
132	Establishment of a transgenic zebrafish EF1Î±:Kaede for monitoring cell proliferation during regeneration. Fish and Shellfish Immunology, 2013, 34, 1390-1394.	1.6	7
133	The presence of two rare genomic syndromes, 1q21 deletion and Xq28 duplication, segregating independently in a family with intellectual disability. Molecular Cytogenetics, 2016, 9, 74.	0.4	7
134	Targeted knockout of duox causes defects in zebrafish growth, thyroid development, and social interaction. Journal of Genetics and Genomics, 2019, 46, 101-104.	1.7	7
135	Efficacy and pharmacokinetics evaluation of 4-(2-chloro-4-fluorobenzyl)-3-(2-thienyl)-1,2,4-oxadiazol-5(4H)-one (GM-90432) as an anti-seizure agent. Neurochemistry International, 2020, 141, 104870.	1.9	7
136	Cug2 is essential for normal mitotic control and CNS development in zebrafish. BMC Developmental Biology, 2011, 11, 49.	2.1	6
137	Identification of novel protein tyrosine phosphatase sigma inhibitors promoting neurite extension. Bioorganic and Medicinal Chemistry Letters, 2016, 26, 87-93.	1.0	6
138	CCAAT/enhancer-binding protein-Î² functions as a negative regulator of Wnt/Î²-catenin signaling through activation of AXIN1 gene expression. Cell Death and Disease, 2018, 9, 1023.	2.7	6
139	1,3â€1â€6 ÃŸâ€glucans enhance tissue regeneration in zebrafish (Danio rerio): Potential advantages for aquaculture applications. Aquaculture Research, 2019, 50, 3163-3170.	0.9	6
140	Candida albicans Infection Model in Zebrafish (Danio rerio) for Screening Anticandidal Drugs. Mycopathologia, 2019, 184, 559-572.	1.3	6
141	The LAMMER Kinase, LkhA, Affects Aspergillus fumigatus Pathogenicity by Modulating Reproduction and Biosynthesis of Cell Wall PAMPs. Frontiers in Cellular and Infection Microbiology, 2021, 11, 756206.	1.8	6
142	Enhanced SMAD1 Signaling Contributes to Impairments of Early Development in CFC-iPSCs. Stem Cells, 2015, 33, 1447-1455.	1.4	5
143	In vitro and in vivo Boneâ€Forming Activity of Saururus chinensis Extract. Phytotherapy Research, 2015, 29, 1073-1080.	2.8	5
144	Preliminary Insight of Pyrrolylated-Chalcones as New Anti-Methicillin-Resistant Staphylococcus aureus (Anti-MRSA) Agents. Molecules, 2021, 26, 5314.	1.7	5

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145	Nanoemulsion of flavonoid-enriched oil palm (Elaeis guineensis Jacq.) leaf extract enhances wound healing in zebrafish. Phytomedicine Plus, 2021, 1, 100124.	0.9	5
146	Mind Bomb-Binding Partner RanBP9 Plays a Contributory Role in Retinal Development. Molecules and Cells, 2017, 40, 271-279.	1.0	5
147	Novel Macrocyclic Peptidomimetics Targeting the Polo-Box Domain of Polo-Like Kinase 1. Journal of Medicinal Chemistry, 2022, 65, 1915-1932.	2.9	5
148	Dynamic expression patterns of zebrafish1G5 (1G5z), a calmodulin kinase-like gene in the developing nervous system. Developmental Dynamics, 2006, 235, 835-842.	0.8	4
149	Systematic targeted gene deletion using the gene-synthesis method in fission yeast. Journal of Microbiological Methods, 2014, 106, 72-77.	0.7	4
150	The mechanistic insight of a specific interaction between 15d-Prostaglandin-J2 and eIF4A suggests an evolutionary conserved role across species. Biology Open, 2018, 7, .	0.6	4
151	The Body Size of Stimulus Conspecifics Affects Social Preference in a Binary Choice Task in Wild-Type, But Not in dyrk1aa Mutant, Zebrafish. Zebrafish, 2019, 16, 262-267.	0.5	4
152	Comparative Proteome Research in a Zebrafish Model for Vanishing White Matter Disease. International Journal of Molecular Sciences, 2021, 22, 2707.	1.8	4
153	Optogenetic Manipulation of Olfactory Responses in Transgenic Zebrafish: A Neurobiological and Behavioral Study. International Journal of Molecular Sciences, 2021, 22, 7191.	1.8	4
154	3DM: deep decomposition and deconvolution microscopy for rapid neural activity imaging. Optics Express, 2021, 29, 32700.	1.7	4
155	Sinup, a novel Siaz-interacting nuclear protein, modulates neural plate formation in the zebrafish embryos. Biochemical and Biophysical Research Communications, 2005, 332, 993-1003.	1.0	3
156	A collaborative study of an alternative in vitro potency assay for the Japanese encephalitis vaccine. Virus Research, 2016, 223, 190-196.	1.1	3
157	Ottogi Inhibits Wnt/Î²-catenin Signaling by Regulating Cell Membrane Trafficking of Frizzled8. Scientific Reports, 2017, 7, 13278.	1.6	3
158	Stress-immune responses and DNA protection function of thioredoxin domain containing 12 in zebrafish (Danio rerio). Fish and Shellfish Immunology, 2019, 84, 1030-1040.	1.6	3
159	Disease Modeling of Rare Neurological Disorders in Zebrafish. International Journal of Molecular Sciences, 2022, 23, 3946.	1.8	3
160	Expression of a novel type I keratin, DAPK-1 in the dorsal aorta and pronephric duct of the zebrafish embryos. Gene, 2003, 312, 145-150.	1.0	2
161	Crystal Structure of the YAPâ€binding Domain of Human TEAD1. Bulletin of the Korean Chemical Society, 2019, 40, 74-77.	1.0	2
162	Zebrafish Bioassay for Screening Therapeutic Candidates Based on Melanotrophic Activity. International Journal of Molecular Sciences, 2021, 22, 9313.	1.8	2

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163	Mapping Molecular Networks within Clitoria ternatea Linn. against LPS-Induced Neuroinflammation in Microglial Cells, with Molecular Docking and In Vivo Toxicity Assessment in Zebrafish. Pharmaceuticals, 2022, 15, 467.	1.7	2
164	h-Prune as a novel binding protein of NS5A that regulates ERK1/2 activation. Applied Biological Chemistry, 2016, 59, 543-551.	0.7	0
165	The Effects of Copper Constituent of Coin Currency on Embryonic Zebrafish Development. BioMed Research International, 2021, 2021, 1-7.	0.9	0
166	Animal Model for Regeneration of Olfactory Sensory Neurons. Journal of the Korea Convergence Society, 2016, 7, 61-67.	0.1	0
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