Herman P Spaink

List of Publications by Year
in descending order

340	25,888	8208	10129
papers	citations	78 h-index	145 g-index

373	373	373	34592
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The ubiquitous catechol moiety elicits siderophore and angucycline production in Streptomyces. Communications Chemistry, 2022, 5, .	2.0	9
2	The Role of TLR2 in Infectious Diseases Caused by Mycobacteria: From Cell Biology to Therapeutic Target. Biology, 2022, 11, 246.	1.3	24
3	Detection of cannabinoid receptor type 2 in native cells and zebrafish with a highly potent, cell-permeable fluorescent probe. Chemical Science, 2022, 13, 5539-5545.	3.7	12
4	Host-directed therapies for tuberculosis: quantitative systems pharmacology approaches. Trends in Pharmacological Sciences, 2022, 43, 293-304.	4.0	8
5	Thermal Proteome Profiling in Zebrafish Reveals Effects of Napabucasin on Retinoic Acid Metabolism. Molecular and Cellular Proteomics, 2021, 20, 100033.	2.5	8
6	Drug Resistance in Nontuberculous Mycobacteria: Mechanisms and Models. Biology, 2021, 10, 96.	1.3	54
7	Antibiofilm effect of C-10 massoia lactone toward polymicrobial oral biofilms. Journal of Advanced Pharmaceutical Technology and Research, 2021, 12, 89.	0.4	2
8	A Novel Function of TLR2 and MyD88 in the Regulation of Leukocyte Cell Migration Behavior During Wounding in Zebrafish Larvae. Frontiers in Cell and Developmental Biology, 2021, 9, 624571.	1.8	9
9	The adapter protein Myd88 plays an important role in limiting mycobacterial growth in a zebrafish model for tuberculosis. Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin, 2021, 479, 265-275.	1.4	5
10	A quantitative in vivo assay for craniofacial developmental toxicity of histone deacetylases. Toxicology Letters, 2021, 342, 20-25.	0.4	3
11	Leptin deficiency affects glucose homeostasis and results in adiposity in zebrafish. Journal of Endocrinology, 2021, 249, 125-134.	1.2	11
12	Zebrafish larvae as experimental model to expedite the search for new biomarkers and treatments for neonatal sepsis. Journal of Clinical and Translational Science, 2021, 5, 1-34.	0.3	3
13	Metabolomic and transcriptomic profiling of adult mice and larval zebrafish leptin mutants reveal a common pattern of changes in metabolites and signaling pathways. Cell and Bioscience, 2021, 11, 126.	2.1	4
14	The Role of Galanin during Bacterial Infection in Larval Zebrafish. Cells, 2021, 10, 2011.	1.8	2
15	Giant lungfish genome elucidates the conquest of land by vertebrates. Nature, 2021, 590, 284-289.	13.7	132
16	Investigation of the interaction of DAD1-LIKE LIPASE 3 (DALL3) with Selenium Binding Protein 1 (SBP1) in Arabidopsis thaliana. Plant Science, 2020, 291, 110357.	1.7	9
17	Tuberculosis causes highly conserved metabolic changes in human patients, mycobacteria-infected mice and zebrafish larvae. Scientific Reports, 2020, 10, 11635.	1.6	15
18	Transcriptome sequencing supports a conservation of macrophage polarization in fish. Scientific Reports, 2020, 10, 13470.	1.6	28

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19	Antiâ€tuberculosis effect of isoniazid scales accurately from zebrafish to humans. British Journal of Pharmacology, 2020, 177, 5518-5533.	2.7	10
20	Functional Inhibition of Host Histone Deacetylases (HDACs) Enhances in vitro and in vivo Anti-mycobacterial Activity in Human Macrophages and in Zebrafish. Frontiers in Immunology, 2020, 11, 36.	2.2	34
21	Quantification of Natural Growth of Two Strains of Mycobacterium Marinum for Translational Antituberculosis Drug Development. Clinical and Translational Science, 2020, 13, 1060-1064.	1.5	5
22	Colonizing microbiota protect zebrafish larvae against silver nanoparticle toxicity. Nanotoxicology, 2020, 14, 725-739.	1.6	14
23	Analyzing the impact of Mycobacterium tuberculosis infection on primary human macrophages by combined exploratory and targeted metabolomics. Scientific Reports, 2020, 10, 7085.	1.6	27
24	Glomerular permeability is not affected by heparan sulfate glycosaminoglycan deficiency in zebrafish embryos. American Journal of Physiology - Renal Physiology, 2019, 317, F1211-F1216.	1.3	10
25	Novel interactions of Selenium Binding Protein family with the PICOT containing proteins AtGRXS14 and AtGRXS16 in Arabidopsis thaliana. Plant Science, 2019, 281, 102-112.	1.7	8
26	Predicting Metabolism from Gene Expression in an Improved Whole-Genome Metabolic Network Model ofDanio rerio. Zebrafish, 2019, 16, 348-362.	0.5	20
27	Nano-Sampling and Reporter Tools to Study Metabolic Regulation in Zebrafish. Frontiers in Cell and Developmental Biology, 2019, 7, 15.	1.8	6
28	RNAseq Profiling of Leukocyte Populations in Zebrafish Larvae Reveals a cxcl11 Chemokine Gene as a Marker of Macrophage Polarization During Mycobacterial Infection. Frontiers in Immunology, 2019, 10, 832.	2.2	76
29	Enhanced Fatty Acid Scavenging and Glycerophospholipid Metabolism Accompany Melanocyte Neoplasia Progression in Zebrafish. Cancer Research, 2019, 79, 2136-2151.	0.4	24
30	Impact of post-hatching maturation on the pharmacokinetics of paracetamol in zebrafish larvae. Scientific Reports, 2019, 9, 2149.	1.6	22
31	Mechanistic and Quantitative Understanding of Pharmacokinetics in Zebrafish Larvae through Nanoscale Blood Sampling and Metabolite Modeling of Paracetamol. Journal of Pharmacology and Experimental Therapeutics, 2019, 371, 15-24.	1.3	24
32	Infection and RNA-seq analysis of a zebrafish tlr2 mutant shows a broad function of this toll-like receptor in transcriptional and metabolic control and defense to Mycobacterium marinum infection. BMC Genomics, 2019, 20, 878.	1.2	21
33	InÂvivo inactivation of glycosidases by conduritol B epoxide and cyclophellitol as revealed by activityâ€based protein profiling. FEBS Journal, 2019, 286, 584-600.	2.2	44
34	A Zebrafish Embryo Model for In Vivo Visualization and Intravital Analysis of Biomaterial-associated Staphylococcus aureus Infection. Journal of Visualized Experiments, 2019, , .	0.2	2
35	Deep learning image recognition enables efficient genome editing in zebrafish by automated injections. PLoS ONE, 2019, 14, e0202377.	1.1	20
36	Increased dynamin expression precedes proteinuria in glomerular disease. Journal of Pathology, 2019, 247, 177-185.	2.1	11

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37	Nanoparticles induce dermal and intestinal innate immune system responses in zebrafish embryos. Environmental Science: Nano, 2018, 5, 904-916.	2.2	86
38	A p53/miR-30a/ZEB2 axis controls triple negative breast cancer aggressiveness. Cell Death and Differentiation, 2018, 25, 2165-2180.	5.0	78
39	Identifying small RNAs derived from maternal- and somatic-type rRNAs in zebrafish development. Genome, 2018, 61, 371-378.	0.9	23
40	COMICS: Cartoon Visualization of Omics Data in Spatial Context Using Anatomical Ontologies. Journal of Proteome Research, 2018, 17, 739-744.	1.8	1
41	Biological clock function is linked to proactive and reactive personality types. BMC Biology, 2018, 16, 148.	1.7	30
42	Intestinal microbiome adjusts the innate immune setpoint during colonization through negative regulation of MyD88. Nature Communications, 2018, 9, 4099.	5.8	73
43	smarce1 mutants have a defective endocardium and an increased expression of cardiac transcription factors in zebrafish. Scientific Reports, 2018, 8, 15369.	1.6	9
44	An automated screening method for detecting compounds with goitrogenic activity using transgenic zebrafish embryos. PLoS ONE, 2018, 13, e0203087.	1.1	26
45	Performing DNA nanotechnology operations on a zebrafish. Chemical Science, 2018, 9, 7271-7276.	3.7	17
46	Outsideâ€In Systems Pharmacology Combines Innovative Computational Methods With Highâ€Throughput Whole Vertebrate Studies. CPT: Pharmacometrics and Systems Pharmacology, 2018, 7, 285-287.	1.3	13
47	Cross-species Discovery of Flubendazole against Melanoma Progression via MITF Downregulation and EMT Inhibition. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2018, WCP2018, PO4-6-31.	0.0	0
48	Abstract 500: A p53/miR-30a/ZEB2 axis controls basal-like/triple-negative breast cancer aggressiveness. , 2018, , .		0
49	Abstract 4109: Multi-modality imaging to interrogate lipidome changes during melanoma progression in zebrafish. , 2018, , .		0
50	Expression of distinct maternal and somatic 5.8S, 18S, and 28S rRNA types during zebrafish development. Rna, 2017, 23, 1188-1199.	1.6	89
51	The zebrafish embryo as a model to quantify early inflammatory cell responses to biomaterials. Journal of Biomedical Materials Research - Part A, 2017, 105, 2522-2532.	2.1	11
52	Functional analysis reveals no transcriptional role for the glucocorticoid receptor Î²-isoform in zebrafish. Molecular and Cellular Endocrinology, 2017, 447, 61-70.	1.6	18
53	Linking maternal and somatic 5S rRNA types with different sequence-specific non-LTR retrotransposons. Rna, 2017, 23, 446-456.	1.6	32
54	Rapid de novo assembly of the European eel genome from nanopore sequencing reads. Scientific Reports, 2017, 7, 7213.	1.6	104

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55	Hoxc6 loss of function truncates the main body axis in Xenopus. Cell Cycle, 2017, 16, 1136-1138.	1.3	7
56	Application of Caenorhabditis elegans (nematode) and Danio rerio embryo (zebrafish) as model systems to screen for developmental and reproductive toxicity of Piperazine compounds. Toxicology in Vitro, 2017, 44, 11-16.	1.1	21
57	Pathway analysis of systemic transcriptome responses to injected polystyrene particles in zebrafish larvae. Aquatic Toxicology, 2017, 190, 112-120.	1.9	131
58	Transcriptome dynamics in early zebrafish embryogenesis determined by high-resolution time course analysis of 180 successive, individual zebrafish embryos. BMC Genomics, 2017, 18, 287.	1.2	12
59	Multi-modal 3d reconstruction and measurements of zebrafish larvae and its organs using axial-view microscopy. , 2017, , .		0
60	Three-dimensional reconstruction and measurements of zebrafish larvae from high-throughput axial-view in vivo imaging. Biomedical Optics Express, 2017, 8, 2611.	1.5	33
61	Collinear Hox-Hox interactions are involved in patterning the vertebrate anteroposterior (A-P) axis. PLoS ONE, 2017, 12, e0175287.	1.1	18
62	De novo whole-genome assembly of a wild type yeast isolate using nanopore sequencing. F1000Research, 2017, 6, 618.	0.8	7
63	De novo whole-genome assembly of a wild type yeast isolate using nanopore sequencing. F1000Research, 2017, 6, 618.	0.8	5
64	Mother-Specific Signature in the Maternal Transcriptome Composition of Mature, Unfertilized Zebrafish Eggs. PLoS ONE, 2016, 11, e0147151.	1.1	33
65	Glucocorticoid-Induced Attenuation of the Inflammatory Response in Zebrafish. Endocrinology, 2016, 157, 2772-2784.	1.4	67
66	Automation of Technology for Cancer Research. Advances in Experimental Medicine and Biology, 2016, 916, 315-332.	0.8	5
67	Imaging Cancer Angiogenesis and Metastasis in a Zebrafish Embryo Model. Advances in Experimental Medicine and Biology, 2016, 916, 239-263.	0.8	31
68	Transcriptomic Approaches in the Zebrafish Model for Tuberculosisâ€"Insights Into Host- and Pathogen-specific Determinants of the Innate Immune Response. Advances in Genetics, 2016, 95, 217-251.	0.8	32
69	Efferocytosis and extrusion of leukocytes determine the progression of early mycobacterial pathogenesis. Journal of Cell Science, 2016, 129, 3385-95.	1.2	30
70	Application of Coiled Coil Peptides in Liposomal Anticancer Drug Delivery Using a Zebrafish Xenograft Model. ACS Nano, 2016, 10, 7428-7435.	7.3	66
71	Imaging of Human Cancer Cell Proliferation, Invasion, and Micrometastasis in a Zebrafish Xenogeneic Engraftment Model. Methods in Molecular Biology, 2016, 1451, 155-169.	0.4	17
72	A full-body transcriptome and proteome resource for the European common carp. BMC Genomics, 2016, 17, 701.	1.2	55

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73	Pharmacokinetic Modeling of Paracetamol Uptake and Clearance in Zebrafish Larvae: Expanding the Allometric Scale in Vertebrates with Five Orders of Magnitude. Zebrafish, 2016, 13, 504-510.	0.5	66
74	Systems pharmacology of hepatic metabolism in zebrafish larvae. Drug Discovery Today: Disease Models, 2016, 22, 27-34.	1.2	31
75	Transcriptome data on maternal RNA of 24 individual zebrafish eggs from five sibling mothers. Data in Brief, 2016, 8, 69-72.	0.5	1
76	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). Autophagy, 2016, 12, 1-222.	4.3	4,701
77	Visualizing Human Hematopoietic Stem Cell Trafficking In Vivo Using a Zebrafish Xenograft Model. Stem Cells and Development, 2016, 25, 360-365.	1.1	30
78	Polarization of immune responses in fish: The â€˜macrophages firstâ€™ point of view. Molecular Immunology, 2016, 69, 146-156.	1.0	128
79	Changes in ovarian gene expression profiles and plasma hormone levels in maturing European eel () Tj ETQq1 1 0.784314 rgBT /Overlo 2016, 225, 185-196.	0.8	19
80	Silhouette-based 3D model for zebrafish high-throughput imaging. , 2015, , .		4
81	The CXCR3-CXCL11 signaling axis mediates macrophage recruitment and dissemination of mycobacterial infection. DMM Disease Models and Mechanisms, 2015, 8, 253-69.	1.2	129
82	Testing Tuberculosis Drug Efficacy in a Zebrafish High-Throughput Translational Medicine Screen. Antimicrobial Agents and Chemotherapy, 2015, 59, 753-762.	1.4	52
83	Keeping track of the growing number of biological functions of chitin and its interaction partners in biomedical research. Glycobiology, 2015, 25, 469-482.	1.3	58
84	Analysis of RNAseq datasets from a comparative infectious disease zebrafish model using GeneTiles bioinformatics. Immunogenetics, 2015, 67, 135-147.	1.2	15
85	Improving small RNA-seq by using a synthetic spike-in set for size-range quality control together with a set for data normalization. Nucleic Acids Research, 2015, 43, e89-e89.	6.5	35
86	Transcriptional and Metabolic Effects of Glucocorticoid Receptor Î± and Î² Signaling in Zebrafish. Endocrinology, 2015, 156, 1757-1769.	1.4	57
87	Common and specific downstream signaling targets controlled by Tlr2 and Tlr5 innate immune signaling in zebrafish. BMC Genomics, 2015, 16, 547.	1.2	28
88	GLUT2-Mediated Glucose Uptake and Availability Are Required for Embryonic Brain Development in Zebrafish. Journal of Cerebral Blood Flow and Metabolism, 2015, 35, 74-85.	2.4	40
89	Macrophage-Expressed Perforins Mpeg1 and Mpeg1.2 Have an Anti-Bacterial Function in Zebrafish. Journal of Innate Immunity, 2015, 7, 136-152.	1.8	102
90	GLUT12 deficiency during early development results in heart failure and a diabetic phenotype in zebrafish. Journal of Endocrinology, 2015, 224, 1-15.	1.2	32

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91	Mycobacteria Counteract a TLR-Mediated Nitrosative Defense Mechanism in a Zebrafish Infection Model. PLoS ONE, 2014, 9, e100928.	1.1	35
92	Correlative light and electron microscopy imaging of autophagy in a zebrafish infection model. Autophagy, 2014, 10, 1844-1857.	4.3	49
93	Macrophage-pathogen interactions in infectious diseases: new therapeutic insights from the zebrafish host model. DMM Disease Models and Mechanisms, 2014, 7, 785-797.	1.2	153
94	Identification of a Novel Conjugative Plasmid in Mycobacteria That Requires Both Type IV and Type VII Secretion. MBio, 2014, 5, e01744-14.	1.8	76
95	Real-time imaging and genetic dissection of host-microbe interactions in zebrafish. Cellular Microbiology, 2014, 16, 39-49.	1.1	31
96	Ewing sarcoma inhibition by disruption of <scp>EWSR1â€“FLI1</scp> transcriptional activity and reactivation of p53. Journal of Pathology, 2014, 233, 415-424.	2.1	42
97	Swimming-induced exercise promotes hypertrophy and vascularization of fast skeletal muscle fibres and activation of myogenic and angiogenic transcriptional programs in adult zebrafish. BMC Genomics, 2014, 15, 1136.	1.2	67
98	Identification and functional characterization of nonmammalian Toll-like receptor 20. Immunogenetics, 2014, 66, 123-141.	1.2	38
99	Zebrafish Brain Lipid Characterization and Quantification by¹H Nuclear Magnetic Resonance Spectroscopy and MALDI-TOF Mass Spectrometry. Zebrafish, 2014, 11, 240-247.	0.5	13
100	Comparative studies of Toll-like receptor signalling using zebrafish. Developmental and Comparative Immunology, 2014, 46, 35-52.	1.0	75
101	Spatial and temporal expression patterns of chitinase genes in developing zebrafish embryos. Gene Expression Patterns, 2014, 14, 69-77.	0.3	19
102	Phagocytosis of mycobacteria by zebrafish macrophages is dependent on the scavenger receptor Marco, a key control factor of pro-inflammatory signalling. Developmental and Comparative Immunology, 2014, 47, 223-233.	1.0	44
103	Identification of molecular markers in pectoral fin to predict artificial maturation of female European eels (Anguilla anguilla). General and Comparative Endocrinology, 2014, 204, 267-276.	0.8	15
104	The DNA Damage-Regulated Autophagy Modulator DRAM1 Links Mycobacterial Recognition via TLR-MYD88 to Autophagic Defense. Cell Host and Microbe, 2014, 16, 141.	5.1	0
105	Identifying Proteins in Zebrafish Embryos Using Spectral Libraries Generated from Dissected Adult Organs and Tissues. Journal of Proteome Research, 2014, 13, 1537-1544.	1.8	18
106	Hyperinsulinemia induces insulin resistance and immune suppression via Ptpn6/Shp1 in zebrafish. Journal of Endocrinology, 2014, 222, 229-241.	1.2	47
107	Advances in genomics of bony fish. Briefings in Functional Genomics, 2014, 13, 144-156.	1.3	24
108	The DNA Damage-Regulated Autophagy Modulator DRAM1 Links Mycobacterial Recognition via TLR-MYD88 to Autophagic Defense. Cell Host and Microbe, 2014, 15, 753-767.	5.1	147

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109	Contrasted Innate Responses to Two Viruses in Zebrafish: Insights into the Ancestral Repertoire of Vertebrate IFN-Stimulated Genes. Journal of Immunology, 2014, 192, 4328-4341.	0.4	77
110	Establishment and Optimization of a High Throughput Setup to Study Staphylococcus epidermidis and Mycobacterium marinum Infection as a Model for Drug Discovery. Journal of Visualized Experiments, 2014, , e51649.	0.2	21
111	RNA Sequencing of FACS-Sorted Immune Cell Populations from Zebrafish Infection Models to Identify Cell Specific Responses to Intracellular Pathogens. Methods in Molecular Biology, 2014, 1197, 261-274.	0.4	40
112	The extraembryonic serosa is a frontier epithelium providing the insect egg with a full-range innate immune response. ELife, 2014, 3, .	2.8	68
113	Exploring the zebrafish embryo as an alternative model for the evaluation of liver toxicity by histopathology and expression profiling. Archives of Toxicology, 2013, 87, 807-823.	1.9	77
114	A zebrafish high throughput screening system used for Staphylococcus epidermidis infection marker discovery. BMC Genomics, 2013, 14, 255.	1.2	57
115	Accessory molecules for Toll-like receptors in Teleost fish. Identification of TLR4 interactor with leucine-rich repeats (TRIL). Molecular Immunology, 2013, 56, 745-756.	1.0	38
116	Rapid metabolic screening of early zebrafish embryogenesis based on direct infusion-nanoESI-FTMS. Metabolomics, 2013, 9, 864-873.	1.4	21
117	The embryonic expression patterns of zebrafish genes encoding LysM-domains. Gene Expression Patterns, 2013, 13, 212-224.	0.3	21
118	MicroRNA-146 function in the innate immune transcriptome response of zebrafish embryos to Salmonella typhimurium infection. BMC Genomics, 2013, 14, 696.	1.2	110
119	Parallel deep transcriptome and proteome analysis of zebrafish larvae. BMC Research Notes, 2013, 6, 428.	0.6	14
120	Functional analysis of a zebrafishmyd88mutant identifies key transcriptional components of the innate immune system. DMM Disease Models and Mechanisms, 2013, 6, 841-54.	1.2	145
121	The king cobra genome reveals dynamic gene evolution and adaptation in the snake venom system. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 20651-20656.	3.3	412
122	Robotic injection of zebrafish embryos for high-throughput screening in disease models. Methods, 2013, 62, 246-254.	1.9	84
123	In Vitro and In Vivo Supramolecular Modification of Biomembranes Using a Lipidated Coiledâ€Coil Motif. Angewandte Chemie - International Edition, 2013, 52, 14247-14251.	7.2	54
124	Deficiency in Hematopoietic Phosphatase Ptpn6/Shp1 Hyperactivates the Innate Immune System and Impairs Control of Bacterial Infections in Zebrafish Embryos. Journal of Immunology, 2013, 190, 1631-1645.	0.4	60
125	Generation of Constitutive Active ERK Mutants as Tools for Cancer Research in Zebrafish. , 2013, 2013, 1-11.		2
126	Deep RNA Sequencing of the Skeletal Muscle Transcriptome in Swimming Fish. PLoS ONE, 2013, 8, e53171.	1.1	62

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127	The Pituitary Gland of the European Eel Reveals Massive Expression of Genes Involved in the Melanocortin System. PLoS ONE, 2013, 8, e77396.	1.1	15
128	Pathogen Recognition and Activation of the Innate Immune Response in Zebrafish. Advances in Hematology, 2012, 2012, 1-19.	0.6	157
129	Infection of Zebrafish Embryos with Intracellular Bacterial Pathogens. Journal of Visualized Experiments, 2012, , .	0.2	176
130	Ultra-small graphene oxide functionalized with polyethylenimine (PEI) for very efficient gene delivery in cell and zebrafish embryos. Nano Research, 2012, 5, 703-709.	5.8	79
131	Comparison of the Exomes of Common Carp (Cyprinus carpio) and Zebrafish (Danio) Tj ETQq1 1 0.784314 rgBT /Overlock 10	0.5	90
132	First draft genome sequence of the Japanese eel, Anguilla japonica. Gene, 2012, 511, 195-201.	1.0	99
133	Primitive Duplicate Hox Clusters in the European Eel's Genome. PLoS ONE, 2012, 7, e32231.	1.1	128
134	Crystal structure of the TLDc domain of oxidation resistance protein 2 from zebrafish. Proteins: Structure, Function and Bioinformatics, 2012, 80, 1694-1698.	1.5	31
135	An osteosarcoma zebrafish model implicates Mmpâ€19 and Etsâ€1 as well as reduced host immune response in angiogenesis and migration. Journal of Pathology, 2012, 227, 245-253.	2.1	28
136	Neutrophilâ€mediated experimental metastasis is enhanced by VEGFR inhibition in a zebrafish xenograft model. Journal of Pathology, 2012, 227, 431-445.	2.1	158
137	Automated microinjection of cell-polymer suspensions in 3D ECM scaffolds for high-throughput quantitative cancer invasion screens. Biomaterials, 2012, 33, 181-188.	5.7	50
138	Quantitative bioassays for measuring biologically functional gonadotropins based on eel gonadotropic receptors. General and Comparative Endocrinology, 2012, 178, 145-152.	0.8	14
139	Using Multiobjective Optimization and Energy Minimization to Design an Isoform-Selective Ligand of the 14-3-3 Protein. Lecture Notes in Computer Science, 2012, , 12-24.	1.0	4
140	Automated Whole Animal Bio-Imaging Assay for Human Cancer Dissemination. PLoS ONE, 2012, 7, e31281.	1.1	76
141	Conserved Expression Signatures between Medaka and Human Pigment Cell Tumors. PLoS ONE, 2012, 7, e37880.	1.1	35
142	Quantification of GPCR internalization by single-molecule microscopy in living cells. Integrative Biology (United Kingdom), 2011, 3, 675.	0.6	26
143	Infectious Disease Modeling and Innate Immune Function in Zebrafish Embryos. Methods in Cell Biology, 2011, 105, 273-308.	0.5	86
144	Deep sequencing of the innate immune transcriptomic response of zebrafish embryos to Salmonella infection. Fish and Shellfish Immunology, 2011, 31, 716-724.	1.6	79

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145	Dextran based photodegradable hydrogels formed via a Michael addition. Soft Matter, 2011, 7, 4881.	1.2	113
146	Random Scission of Polymers: Numerical Simulations, and Experiments on Hyaluronan Hydrolosis. Macromolecules, 2011, 44, 2559-2567.	2.2	12
147	A High-Throughput Screen for Tuberculosis Progression. PLoS ONE, 2011, 6, e16779.	1.1	101
148	Identification of Common Carp Innate Immune Genes with Whole-Genome Sequencing and RNA-Seq Data. Journal of Integrative Bioinformatics, 2011, 8, 165-175.	1.0	23
149	Rapid screening of innate immune gene expression in zebrafish using reverse transcription - multiplex ligation-dependent probe amplification. BMC Research Notes, 2011, 4, 196.	0.6	12
150	Purification, crystallization and preliminary crystallographic studies of the TLDc domain of oxidation resistance protein 2 from zebrafish. Acta Crystallographica Section F: Structural Biology Communications, 2011, 67, 1253-1256.	0.7	6
151	First artificial hybrid of the eel species Anguilla australis and Anguilla anguilla. BMC Developmental Biology, 2011, 11, 16.	2.1	28
152	The epigenetic regulator Histone Deacetylase 1 promotes transcription of a core neurogenic programme in zebrafish embryos. BMC Genomics, 2011, 12, 24.	1.2	60
153	Comparison of static immersion and intravenous injection systems for exposure of zebrafish embryos to the natural pathogen Edwardsiella tarda. BMC Immunology, 2011, 12, 58.	0.9	85
154	A Î”Raf1â€“ERâ€inducible oncogenic zebrafish liver cell model identifies hepatocellular carcinoma signatures. Journal of Pathology, 2011, 225, 19-28.	2.1	18
155	Zebrafish embryos and larvae: A new generation of disease models and drug screens. Birth Defects Research Part C: Embryo Today Reviews, 2011, 93, 115-133.	3.6	196
156	Host-Pathogen Interactions Made Transparent with the Zebrafish Model. Current Drug Targets, 2011, 12, 1000-1017.	1.0	232
157	Identification of common carp innate immune genes with whole-genome sequencing and RNA-Seq data. Journal of Integrative Bioinformatics, 2011, 8, 169.	1.0	12
158	Abstract 4295: High-throughput screening of osteosarcoma progression: A zebrafish model. , 2011, , .		0
159	Macrophage-specific gene functions in Spi1-directed innate immunity. Blood, 2010, 116, e1-e11.	0.6	172
160	Transcriptome analysis of Traf6 function in the innate immune response of zebrafish embryos. Molecular Immunology, 2010, 48, 179-190.	1.0	55
161	Swimming suppresses hepatic vitellogenesis in European female silver eels as shown by expression of the estrogen receptor 1, vitellogenin1 and vitellogenin2 in the liver. Reproductive Biology and Endocrinology, 2010, 8, 27.	1.4	16
162	Integrating heterogeneous sequence information for transcriptome-wide microarray design; a Zebrafish example. BMC Research Notes, 2010, 3, 192.	0.6	7

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163	RNA isolation method for single embryo transcriptome analysis in zebrafish. BMC Research Notes, 2010, 3, 73.	0.6	41
164	Temporal expression of hepatic estrogen receptor 1, vitellogenin1 and vitellogenin2 in European silver eels. General and Comparative Endocrinology, 2010, 166, 1-11.	0.8	32
165	Identification of hoxb1b downstream genes: hoxb1b as a regulatory factor controlling transcriptional networks and cell movement during zebrafish gastrulation. International Journal of Developmental Biology, 2010, 54, 55-62.	0.3	14
166	In VivoMagnetic Resonance Imaging to Detect Malignant Melanoma in Adult Zebrafish. Zebrafish, 2010, 7, 143-148.	0.5	20
167	Cyclodextrin/dextran based drug carriers for a controlled release of hydrophobic drugs in zebrafish embryos. Soft Matter, 2010, 6, 3778.	1.2	39
168	Establishing Zebrafish as a Novel Exercise Model: Swimming Economy, Swimming-Enhanced Growth and Muscle Growth Marker Gene Expression. PLoS ONE, 2010, 5, e14483.	1.1	143
169	Zebrafish development and regeneration: new tools for biomedical research. International Journal of Developmental Biology, 2009, 53, 835-850.	0.3	143
170	The zebrafish as a model system for glucocorticoid receptor research. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2009, 153, 75-82.	0.8	83
171	In vivo metabolite profile of adult zebrafish brain obtained by highâ€resolution localized magnetic resonance spectroscopy. Journal of Magnetic Resonance Imaging, 2009, 29, 275-281.	1.9	28
172	Photothermal Correlation Spectroscopy of Gold Nanoparticles in Solution. Journal of Physical Chemistry C, 2009, 113, 11451-11457.	1.5	51
173	Specificity of the zebrafish host transcriptome response to acute and chronic mycobacterial infection and the role of innate and adaptive immune components. Molecular Immunology, 2009, 46, 2317-2332.	1.0	112
174	Deep sequencing of the zebrafish transcriptome response to mycobacterium infection. Molecular Immunology, 2009, 46, 2918-2930.	1.0	203
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