

# Shuk Han Cheng

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

140  
papers

5,939  
citations

42  
h-index

72  
g-index

148  
ext. papers

6,678  
ext. citations

5.8  
avg. IF

5.65  
L-index

#	Paper	IF	Citations
140	Metformin versus sulphonylureas for new onset atrial fibrillation and stroke in type 2 diabetes mellitus: a population-based study.. <i>Acta Diabetologica</i> , <b>2022</b> , 1	3.9	1
139	Metformin accelerates zebrafish heart regeneration by inducing autophagy. <i>Npj Regenerative Medicine</i> , <b>2021</b> , 6, 62	15.8	7
138	Toxicity effects of hydrophilic algal lysates from <i>Coolia tropicalis</i> on marine medaka larvae ( <i>Oryzias melastigma</i> ). <i>Aquatic Toxicology</i> , <b>2021</b> , 234, 105787	5.1	1
137	Measures of repolarization variability predict ventricular arrhythmogenesis in heptanol-treated Langendorff-perfused mouse hearts. <i>Current Research in Physiology</i> , <b>2021</b> , 4, 125-134	1.8	1
136	Arrhythmogenic Mechanisms in Hypokalaemia: Insights From Pre-clinical Models. <i>Frontiers in Cardiovascular Medicine</i> , <b>2021</b> , 8, 620539	5.4	5
135	Pre-validation of choriogenin H transgenic medaka eleutheroembryos as a quantitative estrogenic activity test method. <i>Analytical Biochemistry</i> , <b>2021</b> , 629, 114311	3.1	0
134	Cannabidiol promotes fin regeneration and reduces apoptosis in zebrafish embryos. <i>Journal of Functional Foods</i> , <b>2021</b> , 86, 104694	5.1	1
133	Exposure to phthalates impaired neurodevelopment through estrogenic effects and induced DNA damage in neurons. <i>Aquatic Toxicology</i> , <b>2020</b> , 222, 105469	5.1	18
132	Assessing the Autonomic and Behavioral Effects of Passive Motion in Rats using Elevator Vertical Motion and Ferris-Wheel Rotation. <i>Journal of Visualized Experiments</i> , <b>2020</b> ,	1.6	1
131	Association of NPAC score with survival after acute myocardial infarction. <i>Atherosclerosis</i> , <b>2020</b> , 301, 30-36	3.1	12
130	Glymphatic clearance of simulated silicon dispersion in mouse brain analyzed by laser induced breakdown spectroscopy. <i>Heliyon</i> , <b>2020</b> , 6, e03702	3.6	2
129	Estrogen accelerates heart regeneration by promoting the inflammatory response in zebrafish. <i>Journal of Endocrinology</i> , <b>2020</b> , 245, 39-51	4.7	12
128	Spectroscopic and microscopic examination of teeth exposed to green tea at different temperatures. <i>PLoS ONE</i> , <b>2020</b> , 15, e0244542	3.7	1
127	Illuminating the dark depths inside coral. <i>Cellular Microbiology</i> , <b>2020</b> , 22, e13122	3.9	4
126	Precise Drug Delivery by Using PLGA-Based Microspheres and Optical Manipulators. <i>IEEE Transactions on Nanobioscience</i> , <b>2020</b> , 19, 192-202	3.4	2
125	Simultaneous Localization and Mapping-Based In Vivo Navigation Control of Microparticles. <i>IEEE Transactions on Industrial Informatics</i> , <b>2020</b> , 16, 2956-2964	11.9	10
124	Excessive inflammation impairs heart regeneration in zebrafish breakdance mutant after cryoinjury. <i>Fish and Shellfish Immunology</i> , <b>2019</b> , 89, 117-126	4.3	10

123	Prolonged neutrophil retention in the wound impairs zebrafish heart regeneration after cryoinjury. <i>Fish and Shellfish Immunology</i> , <b>2019</b> , 94, 447-454	4.3	9
122	Spectroscopic examination of enamel staining by coffee indicates dentin erosion by sequestration of elements. <i>Talanta</i> , <b>2018</b> , 189, 550-559	6.2	11
121	Health risk communication message comprehension is influenced by image inclusion. <i>Journal of Visual Communication in Medicine</i> , <b>2018</b> , 41, 157-165	1.5	6
120	Matrix metalloproteinases (MMPs) mediate leukocyte recruitment during the inflammatory phase of zebrafish heart regeneration. <i>Scientific Reports</i> , <b>2018</b> , 8, 7199	4.9	34
119	Quantification of Beat-To-Beat Variability of Action Potential Durations in Langendorff-Perfused Mouse Hearts. <i>Frontiers in Physiology</i> , <b>2018</b> , 9, 1578	4.6	5
118	High-throughput brain activity mapping and machine learning as a foundation for systems neuropharmacology. <i>Nature Communications</i> , <b>2018</b> , 9, 5142	17.4	20
117	Development of a magnetic microrobot for carrying and delivering targeted cells. <i>Science Robotics</i> , <b>2018</b> , 3,	18.6	171
116	Decoupling of DAMO archaea from DAMO bacteria in a methane-driven microbial fuel cell. <i>Water Research</i> , <b>2017</b> , 110, 112-119	12.5	63
115	In Vivo Manipulation of Single Biological Cells With an Optical Tweezers-Based Manipulator and a Disturbance Compensation Controller. <i>IEEE Transactions on Robotics</i> , <b>2017</b> , 33, 1200-1212	6.5	32
114	Physiological and behavioural impacts of Pacific ciguatoxin-1 (P-CTX-1) on marine medaka ( <i>Oryzias melastigma</i> ). <i>Journal of Hazardous Materials</i> , <b>2017</b> , 321, 782-790	12.8	15
113	Mechanistic Study of Bakuchiol-Induced Anti-breast Cancer Stem Cell and Anti-metastasis Effects. <i>Frontiers in Pharmacology</i> , <b>2017</b> , 8, 746	5.6	8
112	Effect of Photon Hormesis on Dose Responses to Alpha Particles in Zebrafish Embryos. <i>International Journal of Molecular Sciences</i> , <b>2017</b> , 18,	6.3	3
111	Improvement of surface ECG recording in adult zebrafish reveals that the value of this model exceeds our expectation. <i>Scientific Reports</i> , <b>2016</b> , 6, 25073	4.9	29
110	Single Cell Transfection through Precise Microinjection with Quantitatively Controlled Injection Volumes. <i>Scientific Reports</i> , <b>2016</b> , 6, 24127	4.9	56
109	Fusion with stem cell makes the hepatocellular carcinoma cells similar to liver tumor-initiating cells. <i>BMC Cancer</i> , <b>2016</b> , 16, 56	4.8	25
108	Experimental evaluation of the metabolic reversibility of ANME-2d between anaerobic methane oxidation and methanogenesis. <i>Applied Microbiology and Biotechnology</i> , <b>2016</b> , 100, 6481-6490	5.7	9
107	Non-induction of radioadaptive response in zebrafish embryos by neutrons. <i>Journal of Radiation Research</i> , <b>2016</b> , 57, 210-9	2.4	5
106	A High-Throughput Automated Microinjection System for Human Cells With Small Size. <i>IEEE/ASME Transactions on Mechatronics</i> , <b>2016</b> , 21, 838-850	5.5	42

105	Biphasic and triphasic dose responses in zebrafish embryos to low-dose 150 kV X-rays with different levels of hardness. <i>Journal of Radiation Research</i> , <b>2016</b> , 57, 363-9	2.4	25
104	Effects of 4-methylbenzylidene camphor (4-MBC) on neuronal and muscular development in zebrafish ( <i>Danio rerio</i> ) embryos. <i>Environmental Science and Pollution Research</i> , <b>2016</b> , 23, 8275-85	5.1	31
103	Combined effects of alpha particles and depleted uranium on Zebrafish ( <i>Danio rerio</i> ) embryos. <i>Journal of Radiation Research</i> , <b>2016</b> , 57, 343-55	2.4	6
102	Environmental evaluation of coexistence of denitrifying anaerobic methane-oxidizing archaea and bacteria in a paddy field. <i>Applied Microbiology and Biotechnology</i> , <b>2016</b> , 100, 439-46	5.7	35
101	Zebrafish as an In Vivo Model to Assess Epigenetic Effects of Ionizing Radiation. <i>International Journal of Molecular Sciences</i> , <b>2016</b> , 17,	6.3	10
100	Phytoestrogen Bakuchiol Exhibits In Vitro and In Vivo Anti-breast Cancer Effects by Inducing S Phase Arrest and Apoptosis. <i>Frontiers in Pharmacology</i> , <b>2016</b> , 7, 128	5.6	28
99	Autonomous system for cross-organ investigation of ethanol-induced acute response in behaving larval zebrafish. <i>Biomicrofluidics</i> , <b>2016</b> , 10, 024123	3.2	16
98	Hormetic effect induced by depleted uranium in zebrafish embryos. <i>Aquatic Toxicology</i> , <b>2016</b> , 175, 184-94	3.1	6
97	High-throughput mapping of brain-wide activity in awake and drug-responsive vertebrates. <i>Lab on A Chip</i> , <b>2015</b> , 15, 680-9	7.2	43
96	New primers for detecting and quantifying denitrifying anaerobic methane oxidation archaea in different ecological niches. <i>Applied Microbiology and Biotechnology</i> , <b>2015</b> , 99, 9805-12	5.7	35
95	Phosphorescent biscyclometallated iridium(III) ethylenediamine complexes functionalised with polar ester or carboxylate groups as bioimaging and visualisation reagents. <i>Dalton Transactions</i> , <b>2015</b> , 44, 4945-56	4.3	30
94	Low-dose neutron dose response of zebrafish embryos obtained from the Neutron exposure Accelerator System for Biological Effect Experiments (NASBEE) facility. <i>Radiation Physics and Chemistry</i> , <b>2015</b> , 114, 12-17	2.5	8
93	Early developmental toxicity of saxitoxin on medaka ( <i>Oryzias melastigma</i> ) embryos. <i>Toxicol</i> , <b>2014</b> , 77, 16-25	2.8	18
92	A rapid low-cost high-density DNA-based multi-detection test for routine inspection of meat species. <i>Meat Science</i> , <b>2014</b> , 96, 922-9	6.4	23
91	Microstructures: Femto-Second Laser-Based Free Writing of 3D Protein Microstructures and Micropatterns with Sub-Micrometer Features: A Study on Voxels, Porosity, and Cytocompatibility (Adv. Funct. Mater. 3/2014). <i>Advanced Functional Materials</i> , <b>2014</b> , 24, 276-276	15.6	
90	Development of a high throughput robot-aided cell injection system for human cells <b>2014</b> ,		3
89	Roles of nitric oxide in adaptive response induced in zebrafish embryos in vivo by microbeam protons. <i>Journal of Radiation Research</i> , <b>2014</b> , 55, i114-i114	2.4	3
88	Exogenous carbon monoxide suppresses adaptive response induced in zebrafish embryos in vivo by microbeam protons. <i>Journal of Radiation Research</i> , <b>2014</b> , 55, i115-i115	2.4	4

87	Toxicity and estrogenic endocrine disrupting activity of phthalates and their mixtures. <i>International Journal of Environmental Research and Public Health</i> , <b>2014</b> , 11, 3156-68	4.6	160
86	Silver nanoparticles alter proteoglycan expression in the promotion of tendon repair. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , <b>2014</b> , 10, 1375-83	6	23
85	Femto-Second Laser-Based Free Writing of 3D Protein Microstructures and Micropatterns with Sub-Micrometer Features: A Study on Voxels, Porosity, and Cytocompatibility. <i>Advanced Functional Materials</i> , <b>2014</b> , 24, 277-294	15.6	27
84	Laser-induced fusion of human embryonic stem cells with optical tweezers. <i>Applied Physics Letters</i> , <b>2013</b> , 103, 033701	3.4	25
83	Probing cell biophysical behavior based on actin cytoskeleton modeling and stretching manipulation with optical tweezers. <i>Applied Physics Letters</i> , <b>2013</b> , 103, 083706	3.4	14
82	Novel blood collection method allows plasma proteome analysis from single zebrafish. <i>Journal of Proteome Research</i> , <b>2013</b> , 12, 1580-90	5.6	72
81	Characterization of carbon nanotube protein corona by using quantitative proteomics. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , <b>2013</b> , 9, 583-93	6	79
80	G-protein-coupled estrogen receptor 1 is involved in brain development during zebrafish ( <i>Danio rerio</i> ) embryogenesis. <i>Biochemical and Biophysical Research Communications</i> , <b>2013</b> , 435, 21-7	3.4	27
79	Low-modulus Mg/PCL hybrid bone substitute for osteoporotic fracture fixation. <i>Biomaterials</i> , <b>2013</b> , 34, 7016-32	15.6	88
78	Mitochondria-targeting cyclometalated iridium(III)-PEG complexes with tunable photodynamic activity. <i>Biomaterials</i> , <b>2013</b> , 34, 7519-32	15.6	184
77	Surface functionalized gold nanoparticles for drug delivery. <i>Journal of Biomedical Nanotechnology</i> , <b>2013</b> , 9, 1362-9	4	54
76	"Stainomics": identification of mitotracker labeled proteins in mammalian cells. <i>Electrophoresis</i> , <b>2013</b> , 34, 1957-64	3.6	10
75	Gold-doxorubicin nanoconjugates for overcoming multidrug resistance. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , <b>2012</b> , 8, 204-11	6	132
74	Emissive behavior, cytotoxic activity, cellular uptake, and PEGylation properties of new luminescent rhenium(I) polypyridine poly(ethylene glycol) complexes. <i>Inorganic Chemistry</i> , <b>2012</b> , 51, 13289-302	5.1	68
73	Hedgehog signaling. <i>Vitamins and Hormones</i> , <b>2012</b> , 88, 1-23	2.5	37
72	A luminescent cyclometalated iridium(III) complex accumulates in mitochondria and induces mitochondrial shortening by conjugation to specific protein targets. <i>ChemBioChem</i> , <b>2012</b> , 13, 2729-37	3.8	41
71	Leptin-mediated modulation of steroidogenic gene expression in hypoxic zebrafish embryos: implications for the disruption of sex steroids. <i>Environmental Science &amp; Technology</i> , <b>2012</b> , 46, 9112-9 <sup>10.3</sup>	10.3	28
70	Effects of propranolol on heart rate and development in Japanese medaka ( <i>Oryzias latipes</i> ) and zebrafish ( <i>Danio rerio</i> ). <i>Aquatic Toxicology</i> , <b>2012</b> , 122-123, 214-21	5.1	32

69	Angiogenic efficacy of simplified 2-herb formula (NF3) in zebrafish embryos in vivo and rat aortic ring in vitro. <i>Journal of Ethnopharmacology</i> , <b>2012</b> , 139, 447-53	5	13
68	Probing the mechanobiological properties of human embryonic stem cells in cardiac differentiation by optical tweezers. <i>Journal of Biomechanics</i> , <b>2012</b> , 45, 123-8	2.9	52
67	Proteomic analysis of hepatic tissue of ciguatoxin (CTX) contaminated coral reef fish <i>Cephalopholis argus</i> and moray eel <i>Gymnothorax undulatus</i> . <i>Harmful Algae</i> , <b>2012</b> , 13, 65-71	5.3	13
66	Functional replication of the tendon tissue microenvironment by a bioimprinted substrate and the support of tenocytic differentiation of mesenchymal stem cells. <i>Biomaterials</i> , <b>2012</b> , 33, 7686-98	15.6	71
65	Influence of carbon nanotube length on toxicity to zebrafish embryos. <i>International Journal of Nanomedicine</i> , <b>2012</b> , 7, 3731-9	7.3	79
64	Triphasic Low-dose Response in Zebrafish Embryos Irradiated by Microbeam Protons. <i>Journal of Radiation Research</i> , <b>2012</b> ,	2.4	9
63	Triphasic low-dose response in zebrafish embryos irradiated by microbeam protons. <i>Journal of Radiation Research</i> , <b>2012</b> , 53, 475-81	2.4	24
62	Design of affectively evocative smart ambient media for learning. <i>Computers and Education</i> , <b>2011</b> , 56, 101-111	9.5	15
61	Nanotherapeutics in angiogenesis: synthesis and in vivo assessment of drug efficacy and biocompatibility in zebrafish embryos. <i>International Journal of Nanomedicine</i> , <b>2011</b> , 6, 2007-21	7.3	29
60	Poly(ethylene glycol)-conjugated multi-walled carbon nanotubes as an efficient drug carrier for overcoming multidrug resistance. <i>Toxicology and Applied Pharmacology</i> , <b>2011</b> , 250, 184-93	4.6	68
59	Molecular staging of marine medaka: a model organism for marine ecotoxicity study. <i>Marine Pollution Bulletin</i> , <b>2011</b> , 63, 309-17	6.7	28
58	Force Sensing and Manipulation Strategy in Robot-Assisted Microinjection on Zebrafish Embryos. <i>IEEE/ASME Transactions on Mechatronics</i> , <b>2011</b> , 16, 1002-1010	5.5	65
57	Polymer-coated NaYF <sub>4</sub> :Yb <sup>3+</sup> , Er <sup>3+</sup> upconversion nanoparticles for charge-dependent cellular imaging. <i>ACS Nano</i> , <b>2011</b> , 5, 7838-47	16.7	226
56	Development and evaluation of pH-responsive single-walled carbon nanotube-doxorubicin complexes in cancer cells. <i>International Journal of Nanomedicine</i> , <b>2011</b> , 6, 2889-98	7.3	46
55	Robotic cell manipulation with optical tweezers for biomechanical characterization <b>2011</b> ,		5
54	Hypoxia impairs primordial germ cell migration in zebrafish ( <i>Danio rerio</i> ) embryos. <i>PLoS ONE</i> , <b>2011</b> , 6, e24540	3.7	28
53	Adaptive response in zebrafish embryos induced using microbeam protons as priming dose and X-ray photons as challenging dose. <i>Journal of Radiation Research</i> , <b>2010</b> , 51, 657-64	2.4	30
52	In situ labeling of transcription sites in marine medaka. <i>Journal of Histochemistry and Cytochemistry</i> , <b>2010</b> , 58, 173-81	3.4	3

51	Chronic toxicity of double-walled carbon nanotubes to three marine organisms: influence of different dispersion methods. <i>Nanomedicine</i> , <b>2010</b> , 5, 951-61	5.6	46
50	Characterizing mechanical properties of biological cells by microinjection. <i>IEEE Transactions on Nanobioscience</i> , <b>2010</b> , 9, 171-80	3.4	23
49	Resveratrol derivative, trans-3,5,4Rtrimethoxystilbene, exerts antiangiogenic and vascular-disrupting effects in zebrafish through the downregulation of VEGFR2 and cell-cycle modulation. <i>Journal of Cellular Biochemistry</i> , <b>2010</b> , 109, 339-46	4.7	45
48	A cascade of irx1a and irx2a controls shh expression during retinogenesis. <i>Developmental Dynamics</i> , <b>2010</b> , 239, 3204-14	2.9	17
47	Discovery of a novel prolactin in non-mammalian vertebrates: evolutionary perspectives and its involvement in teleost retina development. <i>PLoS ONE</i> , <b>2009</b> , 4, e6163	3.7	42
46	A force control based cell injection approach in a bio-robotics system <b>2009</b> ,		6
45	Visual-Based Impedance Control of Out-of-Plane Cell Injection Systems. <i>IEEE Transactions on Automation Science and Engineering</i> , <b>2009</b> , 6, 565-571	4.9	75
44	Robotic Cell Injection System With Position and Force Control: Toward Automatic Batch Biomanipulation. <i>IEEE Transactions on Robotics</i> , <b>2009</b> , 25, 727-737	6.5	137
43	Caffeinated coffee enhances co-operative behavior in the Mixed Motive Game in healthy volunteers. <i>Nutritional Neuroscience</i> , <b>2009</b> , 12, 21-7	3.6	8
42	Loss of M2 muscarinic receptor function inhibits development of hypoxic bradycardia and alters cardiac beta-adrenergic sensitivity in larval zebrafish ( <i>Danio rerio</i> ). <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2009</b> , 297, R412-20	3.2	23
41	Cadmium affects retinogenesis during zebrafish embryonic development. <i>Toxicology and Applied Pharmacology</i> , <b>2009</b> , 235, 68-76	4.6	31
40	Acute and long-term effects after single loading of functionalized multi-walled carbon nanotubes into zebrafish ( <i>Danio rerio</i> ). <i>Toxicology and Applied Pharmacology</i> , <b>2009</b> , 235, 216-25	4.6	116
39	Nuclear penetration of surface functionalized gold nanoparticles. <i>Toxicology and Applied Pharmacology</i> , <b>2009</b> , 237, 196-204	4.6	168
38	Noninvasive technique for measurement of heartbeat regularity in zebrafish ( <i>Danio rerio</i> ) embryos. <i>BMC Biotechnology</i> , <b>2009</b> , 9, 11	3.5	69
37	Rapid adaptation of molecular resources from zebrafish and medaka to develop an estuarine/marine model. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , <b>2009</b> , 149, 647-55	3.2	20
36	Luminescent cyclometalated iridium(III) polypyridine indole complexes--synthesis, photophysics, electrochemistry, protein-binding properties, cytotoxicity, and cellular uptake. <i>Inorganic Chemistry</i> , <b>2009</b> , 48, 708-18	5.1	154
35	Cloning and developmental expression of kinesin superfamily7 (kif7) in the brackish medaka ( <i>Oryzias melastigma</i> ), a close relative of the Japanese medaka ( <i>Oryzias latipes</i> ). <i>Marine Pollution Bulletin</i> , <b>2008</b> , 57, 425-32	6.7	9
34	Luminescent biological probes derived from ruthenium(II) estradiol polypyridine complexes. <i>Inorganic Chemistry</i> , <b>2008</b> , 47, 200-8	5.1	250

33	Reversible accumulation of PEGylated single-walled carbon nanotubes in the mammalian nucleus. <i>ACS Nano</i> , <b>2008</b> , 2, 2085-94	16.7	128
32	Cadmium inhibits neurogenesis in zebrafish embryonic brain development. <i>Aquatic Toxicology</i> , <b>2008</b> , 87, 157-69	5.1	104
31	Uptake and internalisation of copper by three marine microalgae: comparison of copper-sensitive and copper-tolerant species. <i>Aquatic Toxicology</i> , <b>2008</b> , 89, 82-93	5.1	91
30	Choriogenin mRNA as a sensitive molecular biomarker for estrogenic chemicals in developing brackish medaka ( <i>Oryzias melastigma</i> ). <i>Ecotoxicology and Environmental Safety</i> , <b>2008</b> , 71, 200-8	7	39
29	Mechanical modeling of biological cells in microinjection. <i>IEEE Transactions on Nanobioscience</i> , <b>2008</b> , 7, 257-66	3.4	67
28	Integrated vision and force control in suspended cell injection system: Towards automatic batch biomanipulation <b>2008</b> ,		10
27	Data mining for chinese materia medica and pharmacological research. <i>Journal of Biomolecular Screening</i> , <b>2008</b> , 13, 390-5		3
26	Genetic control of circuit function: Vsx1 and Irx5 transcription factors regulate contrast adaptation in the mouse retina. <i>Journal of Neuroscience</i> , <b>2008</b> , 28, 2342-52	6.6	32
25	An adaptive impedance force control approach for robotic cell microinjection <b>2008</b> ,		3
24	Zebrafish homologue irx1a is required for the differentiation of serotonergic neurons. <i>Developmental Dynamics</i> , <b>2007</b> , 236, 2661-7	2.9	17
23	Effect of carbon nanotubes on developing zebrafish ( <i>Danio rerio</i> ) embryos. <i>Environmental Toxicology and Chemistry</i> , <b>2007</b> , 26, 708-16	3.8	310
22	Four-dimensional imaging and quantification of gene expression in early developing zebrafish ( <i>Danio rerio</i> ) embryos. <i>Toxicological Sciences</i> , <b>2006</b> , 90, 529-38	4.4	12
21	The homeobox gene irx1a is required for the propagation of the neurogenic waves in the zebrafish retina. <i>Mechanisms of Development</i> , <b>2006</b> , 123, 252-63	1.7	25
20	Induction of hepatic choriogenin mRNA expression in male marine medaka: a highly sensitive biomarker for environmental estrogens. <i>Aquatic Toxicology</i> , <b>2006</b> , 77, 348-58	5.1	37
19	The homeodomain transcription factor Irx5 establishes the mouse cardiac ventricular repolarization gradient. <i>Cell</i> , <b>2005</b> , 123, 347-58	56.2	200
18	The Iroquois homeobox gene, Irx5, is required for retinal cone bipolar cell development. <i>Developmental Biology</i> , <b>2005</b> , 287, 48-60	3.1	77
17	Reconstruction and representation of caudal vasculature of zebrafish embryo from confocal scanning laser fluorescence microscopic images. <i>Computers in Biology and Medicine</i> , <b>2005</b> , 35, 915-31	7	15
16	A relational-tubular (ReTu) deformable model for vasculature quantification of zebrafish embryo from microangiography image series. <i>Computerized Medical Imaging and Graphics</i> , <b>2004</b> , 28, 333-44	7.6	8



15	Whole-mount in situ TUNEL method revealed ectopic pattern of apoptosis in cadmium treated naupliar larvae of barnacle ( <i>Balanus amphitrite</i> Darwin). <i>Chemosphere</i> , <b>2004</b> , 55, 1387-94	8.4	7
14	Adaptive thresholding image series from fluorescence confocal scanning laser microscope using orientation intensity profiles <b>2004</b> ,		1
13	The Iroquois homeobox gene <i>Irx2</i> is not essential for normal development of the heart and midbrain-hindbrain boundary in mice. <i>Molecular and Cellular Biology</i> , <b>2003</b> , 23, 8216-25	4.8	43
12	Cadmium-induced ectopic apoptosis in zebrafish embryos. <i>Archives of Toxicology</i> , <b>2003</b> , 77, 69-79	5.8	80
11	Cloning of the HSP70 gene in barnacle larvae and its expression under hypoxic conditions. <i>Marine Pollution Bulletin</i> , <b>2003</b> , 46, 665-71	6.7	16
10	Isolation, characterization and expression analysis of a hypoxia-responsive glucose transporter gene from the grass carp, <i>Ctenopharyngodon idellus</i> . <i>FEBS Journal</i> , <b>2003</b> , 270, 3010-7		57
9	Cadmium affects muscle type development and axon growth in zebrafish embryonic somitogenesis. <i>Toxicological Sciences</i> , <b>2003</b> , 73, 149-59	4.4	85
8	Fractal analysis of vascular complexity in cadmium-treated zebrafish embryos. <i>Aquatic Toxicology</i> , <b>2003</b> , 63, 83-7	5.1	4
7	Identification and expression of zebrafish Iroquois homeobox gene <i>irx1</i> . <i>Development Genes and Evolution</i> , <b>2001</b> , 211, 442-4	1.8	23
6	Epidermal growth factor induces Gadd45 (growth arrest and DNA damage inducible protein) expression in A431 cells. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , <b>2001</b> , 1517, 250-6		11
5	The use of microangiography in detecting aberrant vasculature in zebrafish embryos exposed to cadmium. <i>Aquatic Toxicology</i> , <b>2001</b> , 52, 61-71	5.1	36
4	Cellular and molecular basis of cadmium-induced deformities in zebrafish embryos. <i>Environmental Toxicology and Chemistry</i> , <b>2000</b> , 19, 3024-3031	3.8	141
3	Low-level doxorubicin resistance in benzo[a]pyrene-treated KB-3-1 cells is associated with increased LRP expression and altered subcellular drug distribution. <i>Toxicology and Applied Pharmacology</i> , <b>2000</b> , 164, 134-42	4.6	31
2	Expression of two novel mouse Iroquois homeobox genes during neurogenesis. <i>Mechanisms of Development</i> , <b>2000</b> , 91, 317-21	1.7	89
1	Treatment of hemoglobin Bart's hydrops with bone marrow transplantation. <i>Journal of Pediatrics</i> , <b>1998</b> , 132, 1039-42	3.6	38