

Scott E Fraser

List of Publications by Year in descending order

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323
papers

29,331
citations

4960

84
h-index

5539

163
g-index

344
all docs

344
docs citations

344
times ranked

26811
citing authors

#	ARTICLE	IF	CITATIONS
1	Neurons in the Dorso-Central Division of Zebrafish Pallium Respond to Change in Visual Numerosity. <i>Cerebral Cortex</i> , 2022, 32, 418-428.	2.9	21
2	Regional synapse gain and loss accompany memory formation in larval zebrafish. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	7.1	18
3	Characterizing ontogeny of quantity discrimination in zebrafish. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2022, 289, 20212544.	2.6	9
4	Bladder cancer cells shift rapidly and spontaneously to cisplatin-resistant oxidative phosphorylation that is trackable in real time. <i>Scientific Reports</i> , 2022, 12, 5518.	3.3	5
5	A Novel Egg-In-Cube System Enables Long-Term Culture and Dynamic Imaging of Early Embryonic Development. <i>Frontiers in Physiology</i> , 2022, 13, .	2.8	0
6	Robust Multichannel Encoding for Highly Multiplexed Quantitative PCR. <i>Analytical Chemistry</i> , 2021, 93, 4208-4216.	6.5	23
7	Live-cell imaging of glucose-induced metabolic coupling of \hat{I}^2 and $\hat{I}\pm\hat{A}$ cell metabolism in health and type $\hat{A}2$ diabetes. <i>Communications Biology</i> , 2021, 4, 594.	4.4	19
8	Single-objective selective-volume illumination microscopy enables high-contrast light-field imaging. <i>Optics Letters</i> , 2021, 46, 2860.	3.3	13
9	Label-Free Visualization and Tracking of Gold Nanoparticles in Vasculature Using Multiphoton Luminescence. <i>Nanomaterials</i> , 2020, 10, 2239.	4.1	4
10	A versatile, multi-laser twin-microscope system for light-sheet imaging. <i>Review of Scientific Instruments</i> , 2020, 91, 053703.	1.3	9
11	High-contrast, synchronous volumetric imaging with selective volume illumination microscopy. <i>Communications Biology</i> , 2020, 3, 74.	4.4	37
12	Non-invasive Optical Biomarkers Distinguish and Track the Metabolic Status of Single Hematopoietic Stem Cells. <i>IScience</i> , 2020, 23, 100831.	4.1	9
13	Macrophages directly contribute collagen to scar formation during zebrafish heart regeneration and mouse heart repair. <i>Nature Communications</i> , 2020, 11, 600.	12.8	216
14	Pre-processing visualization of hyperspectral fluorescent data with Spectrally Encoded Enhanced Representations. <i>Nature Communications</i> , 2020, 11, 726.	12.8	16
15	Response to change in the number of visual stimuli in zebrafish:A behavioural and molecular study. <i>Scientific Reports</i> , 2020, 10, 5769.	3.3	37
16	MEASUREMENT OF THE HYDRAULIC CONDUCTIVITY OF THE VITREOUS HUMOR. <i>Journal of Porous Media</i> , 2020, 23, 195-206.	1.9	8
17	Eavesdropping on Biological Processes with Multi-dimensional Molecular Imaging. , 2020, , 13-29.		0
18	Imaging, Visualization, and Computation in Developmental Biology. <i>Annual Review of Biomedical Data Science</i> , 2019, 2, 223-251.	6.5	11

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19	Using enhanced number and brightness to measure protein oligomerization dynamics in live cells. Nature Protocols, 2019, 14, 616-638.	12.0	36
20	Inhibition of nucleotide synthesis promotes replicative senescence of human mammary epithelial cells. Journal of Biological Chemistry, 2019, 294, 10564-10578.	3.4	33
21	Significant Expansion of Real-Time PCR Multiplexing with Traditional Chemistries using Amplitude Modulation. Scientific Reports, 2019, 9, 1053.	3.3	20
22	Multidimensional quantitative analysis of mRNA expression within intact vertebrate embryos. Development (Cambridge), 2018, 145, .	2.5	56
23	Discs large 1 controls daughter-cell polarity after cytokinesis in vertebrate morphogenesis. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E10859-E10868.	7.1	14
24	Fiber pattern removal and image reconstruction method for snapshot mosaic hyperspectral endoscopic images. Biomedical Optics Express, 2018, 9, 780.	2.9	17
25	Abstract 2414: Interrogating cellular metabolism reveals mTORC2 as a new biomarker to stratify epidermal growth factor receptor-mutant non-small cell lung cancer. , 2018, , .		0
26	Hyperspectral phasor analysis enables multiplexed 5D in vivo imaging. Nature Methods, 2017, 14, 149-152.	19.0	124
27	Optical coherence microscopy with extended focus for <i>in vivo</i> embryonic imaging. Proceedings of SPIE, 2017, , .	0.8	0
28	3D <i>in vivo</i> imaging with extended focus optical coherence microscopy. Journal of Biophotonics, 2017, 10, 1411-1420.	2.3	4
29	Biotagging of Specific Cell Populations in Zebrafish Reveals Gene Regulatory Logic Encoded in the Nuclear Transcriptome. Cell Reports, 2017, 19, 425-440.	6.4	43
30	SERCA directs cell migration and branching across species and germ layers. Biology Open, 2017, 6, 1458-1471.	1.2	5
31	Characterizing an Ionic Liquid as a Biological Fixative in Fluorescence Microscopy. Microscopy and Microanalysis, 2017, 23, 1140-1141.	0.4	0
32	Eph-ephrin signaling modulated by polymerization and condensation of receptors. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 13188-13193.	7.1	47
33	Multi-shaping technique reduces sidelobe magnitude in optical coherence tomography. Biomedical Optics Express, 2017, 8, 5267.	2.9	18
34	Genetic and neuronal regulation of sleep by neuropeptide VF. ELife, 2017, 6, .	6.0	49
35	Structural and Functional Characterization of Human Stem-Cell-Derived Retinal Organoids by Live Imaging. , 2017, 58, 3311-3318.		50
36	Phase variance optical coherence microscopy for label-free imaging of the developing vasculature in zebrafish embryos. Journal of Biomedical Optics, 2016, 21, 126022.	2.6	14

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37	Intracellular kinetics of the androgen receptor shown by multimodal Image Correlation Spectroscopy (mICS). <i>Scientific Reports</i> , 2016, 6, 22435.	3.3	7
38	Mapping a multiplexed zoo of mRNA expression. <i>Development (Cambridge)</i> , 2016, 143, 3632-3637.	2.5	198
39	Macrophage Epithelial Reprogramming Underlies Mycobacterial Granuloma Formation and Promotes Infection. <i>Immunity</i> , 2016, 45, 861-876.	14.3	176
40	Characterization of Antibody Bipolar Bridging Mediated by the Human Cytomegalovirus Fc Receptor gp68. <i>Journal of Virology</i> , 2016, 90, 3262-3267.	3.4	13
41	An E3-ligase-based method for ablating inhibitory synapses. <i>Nature Methods</i> , 2016, 13, 673-678.	19.0	43
42	Immunoimaging with Light Sheet Microscopy: Microglial Dynamics in the Developing Zebrafish Brain. <i>Biophysical Journal</i> , 2016, 110, 148a.	0.5	0
43	Label-free imaging of developing vasculature in zebrafish with phase variance optical coherence microscopy. , 2016, , .		3
44	Light Sheet Microscopy for Functional Imaging of Brain Activity Evoked by Natural Sensory Stimuli. <i>Biophysical Journal</i> , 2016, 110, 372a-373a.	0.5	0
45	Optimized Volumetric Live Imaging with Light Field Microscopy and Selective Volume Illumination. <i>Biophysical Journal</i> , 2016, 110, 164a-165a.	0.5	0
46	Imaging of the cross-presenting dendritic cell subsets in the skin-draining lymph node. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 1044-1049.	7.1	125
47	Tools for the Microbiome: Nano and Beyond. <i>ACS Nano</i> , 2016, 10, 6-37.	14.6	137
48	Conditional Creation and Rescue of Nipbl-Deficiency in Mice Reveals Multiple Determinants of Risk for Congenital Heart Defects. <i>PLoS Biology</i> , 2016, 14, e2000197.	5.6	28
49	Abstract B36: Interrogating cellular metabolism to improve therapy for EGFR mutant NSCLC. , 2016, , .		0
50	Nanobody-targeted E3-ubiquitin ligase complex degrades nuclear proteins. <i>Scientific Reports</i> , 2015, 5, 14269.	3.3	88
51	Imaging the Cell and Molecular Dynamics of Craniofacial Development. <i>Current Topics in Developmental Biology</i> , 2015, 115, 599-629.	2.2	7
52	Detection of pigment epithelial detachment vascularization in age-related macular degeneration using phase-variance OCT angiography. <i>Clinical Ophthalmology</i> , 2015, 9, 1299.	1.8	4
53	Spatio-Temporal Differences in Dystrophin Dynamics at mRNA and Protein Levels Revealed by a Novel FlipTrap Line. <i>PLoS ONE</i> , 2015, 10, e0128944.	2.5	15
54	Combinatorial Analysis of mRNA Expression Patterns in Mouse Embryos Using Hybridization Chain Reaction. <i>Cold Spring Harbor Protocols</i> , 2015, 2015, pdb.prot083832.	0.3	33

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55	Transgenic quail to dynamically image amniote embryogenesis. <i>Development (Cambridge)</i> , 2015, 142, 2850-9.	2.5	50
56	Dynamic imaging of the growth plate cartilage reveals multiple contributors to skeletal morphogenesis. <i>Nature Communications</i> , 2015, 6, 6798.	12.8	39
57	Dynamic structure and protein expression of the live embryonic heart captured by 2-photon light sheet microscopy and retrospective registration. <i>Biomedical Optics Express</i> , 2015, 6, 2056.	2.9	33
58	Dynamic imaging of the growth plate cartilage reveals multiple contributors to skeletal morphogenesis. <i>FASEB Journal</i> , 2015, 29, LB37.	0.5	1
59	The Herpes Virus Fc Receptor gE-gI Mediates Antibody Bipolar Bridging to Clear Viral Antigens from the Cell Surface. <i>PLoS Pathogens</i> , 2014, 10, e1003961.	4.7	35
60	Airway branching has conserved needs for local parasympathetic innervation but not neurotransmission. <i>BMC Biology</i> , 2014, 12, 92.	3.8	33
61	Comparison of a Physiotherapy Program Versus Dexamethasone Injections for Plantar Fasciopathy in Prolonged Standing Workers. <i>Clinical Journal of Sport Medicine</i> , 2014, 24, 211-217.	1.8	25
62	Abundance of gap junctions at glutamatergic mixed synapses in adult Mosquitofish spinal cord neurons. <i>Frontiers in Neural Circuits</i> , 2014, 8, 66.	2.8	12
63	How Embryonic Cartilage Grows: Insights Gained from Quantitative Live Imaging. <i>Biophysical Journal</i> , 2014, 106, 575a.	0.5	0
64	Efficient generation of transgenic mice by lentivirus-mediated modification of spermatozoa. <i>FASEB Journal</i> , 2014, 28, 569-576.	0.5	17
65	Live Synaptic Mapping of Vertebrate Whole Brain with Light Sheet Microscopy and Endogenously Labeled Synapsin-2B Protein. <i>Biophysical Journal</i> , 2014, 106, 607a.	0.5	0
66	Phase-Variance Optical Coherence Tomography. <i>Ophthalmology</i> , 2014, 121, 180-187.	5.2	238
67	A Spectral Phasor Perspective in Zebrafish Muscle Development. <i>Biophysical Journal</i> , 2014, 106, 796a.	0.5	0
68	Live 4D Imaging of the Embryonic Vertebrate Heart with Two-Photon Light Sheet Microscopy and Simultaneous Optical Phase Stamping. <i>Biophysical Journal</i> , 2014, 106, 435a-436a.	0.5	1
69	Frequency Locked Microtoroid Optical Resonators as a Non-Invasive Tumor Biopsy Alternative. <i>Biophysical Journal</i> , 2013, 104, 528a.	0.5	1
70	Imaging Proteins, Cells, and Tissues Dynamics during Embryogenesis with Two-Photon Light-Sheet Microscopy. <i>Biophysical Journal</i> , 2013, 104, 337a.	0.5	0
71	Dynamic Three-Dimensional Imaging of Cellular Shape Changes and Protein Expression in the Developing Zebrafish Heart. <i>Biophysical Journal</i> , 2013, 104, 202a.	0.5	0
72	Optical imaging of the chorioretinal vasculature in the living human eye. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 14354-14359.	7.1	189

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73	Transgenic quail as a model for research in the avian nervous system: A comparative study of the auditory brainstem. <i>Journal of Comparative Neurology</i> , 2013, 521, 5-23.	1.6	36
74	Transgenic quail as a model for research in the avian nervous system: A comparative study of the auditory brainstem. <i>Journal of Comparative Neurology</i> , 2013, 521, Spc1-Spc1.	1.6	0
75	Nanotools for Neuroscience and Brain Activity Mapping. <i>ACS Nano</i> , 2013, 7, 1850-1866.	14.6	323
76	Enhancer and gene traps for molecular imaging and genetic analysis in zebrafish. <i>Development Growth and Differentiation</i> , 2013, 55, 434-445.	1.5	31
77	New transgenic reporters identify somatosensory neuron subtypes in larval zebrafish. <i>Developmental Neurobiology</i> , 2013, 73, 152-167.	3.0	64
78	Visualization of human retinal and choroidal vascular networks with phase-variance optical coherence tomography. , 2013, , .		0
79	A detailed description of an economical setup for electroporation of chick embryos in ovo. <i>Brazilian Journal of Medical and Biological Research</i> , 2013, 46, 752-757.	1.5	5
80	Imaging the cellular dynamics and signals that pattern embryos. <i>FASEB Journal</i> , 2013, 27, 312.1.	0.5	0
81	Intracellular Trafficking of an Antibody Bipolar Bridged Complex of HSV-1 gE-gI, IgG, and a Viral Antigen. <i>FASEB Journal</i> , 2013, 27, 767.3.	0.5	0
82	Electrophysiological characterization of Grueneberg ganglion olfactory neurons: spontaneous firing, sodium conductance, and hyperpolarization-activated currents. <i>Journal of Neurophysiology</i> , 2012, 108, 1318-1334.	1.8	14
83	Logarithmic intensity and speckle-based motion contrast methods for human retinal vasculature visualization using swept source optical coherence tomography. <i>Biomedical Optics Express</i> , 2012, 3, 503.	2.9	59
84	Visualization of human retinal capillary networks: a comparison of intensity, speckle-variance and phase-variance optical coherence tomography. <i>Proceedings of SPIE</i> , 2012, , .	0.8	0
85	Differential intensity contrast swept source optical coherence tomography for human retinal vasculature visualization. , 2012, , .		0
86	Differential phase-contrast, swept-source optical coherence tomography at 1060 nm for in vivo human retinal and choroidal vasculature visualization. <i>Journal of Biomedical Optics</i> , 2012, 17, 026011.	2.6	28
87	In vivo human retinal and choroidal vasculature visualization using differential phase contrast swept source optical coherence tomography at 1060 nm. , 2012, , .		0
88	Noninvasive Imaging of the Foveal Avascular Zone with High-Speed, Phase-Variance Optical Coherence Tomography. , 2012, 53, 85.		97
89	Two-Photon Scanned Light Sheet Microscopy Reveals Spatio-Temporal Organization of Cells and Proteins in Developing Embryos. <i>Biophysical Journal</i> , 2012, 102, 618a.	0.5	0
90	Surface functionalization of barium titanate SHG nanoprobe for in vivo imaging in zebrafish. <i>Nature Protocols</i> , 2012, 7, 1618-1633.	12.0	68

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91	In Vivo Human Choroidal Vascular Pattern Visualization Using High-Speed Swept-Source Optical Coherence Tomography at 1060 nm. , 2012, 53, 2337.		80
92	SHG nanoprobe: Advancing harmonic imaging in biology. BioEssays, 2012, 34, 351-360.	2.5	81
93	PhOTO Zebrafish: A Transgenic Resource for In Vivo Lineage Tracing during Development and Regeneration. PLoS ONE, 2012, 7, e32888.	2.5	44
94	In Vivo Imaging of Transplanted Islets with ⁶⁴ Cu-DO3A-VS-Cys ⁴⁰ -Exendin-4 by Targeting GLP-1 Receptor. Bioconjugate Chemistry, 2011, 22, 1587-1594.	3.6	80
95	Cytoskeletal polarity mediates localized induction of the heart progenitor lineage. Nature Cell Biology, 2011, 13, 952-957.	10.3	49
96	Building Enhancers from the Ground Up: A Synthetic Biology Approach. Cell, 2011, 146, 105-118.	28.9	53
97	Mechanistic Basis of Otolith Formation during Teleost Inner Ear Development. Developmental Cell, 2011, 20, 271-278.	7.0	47
98	In vivo volumetric imaging of human retinal circulation with phase-variance optical coherence tomography. Biomedical Optics Express, 2011, 2, 1504.	2.9	218
99	Early regulative ability of the neuroepithelium to form cardiac neural crest. Developmental Biology, 2011, 349, 238-249.	2.0	4
100	The FaceBase Consortium: A comprehensive program to facilitate craniofacial research. Developmental Biology, 2011, 355, 175-182.	2.0	72
101	Extended volume retinal vascular imaging with phase variance contrast optical coherence tomography. Proceedings of SPIE, 2011, , .	0.8	0
102	Visualization of human retinal micro-capillaries with phase contrast high-speed optical coherence tomography. , 2011, , .		1
103	Oct4 kinetics predict cell lineage patterning in the early mammalian embryo. Nature Cell Biology, 2011, 13, 117-123.	10.3	214
104	Zebrafish Neural Tube Morphogenesis Requires Scribble-Dependent Oriented Cell Divisions. Current Biology, 2011, 21, 79-86.	3.9	72
105	Deep and fast live imaging with two-photon scanned light-sheet microscopy. Nature Methods, 2011, 8, 757-760.	19.0	453
106	High-speed multicolor microscopy of repeating dynamic processes. Genesis, 2011, 49, 514-521.	1.6	9
107	High sensitivity nanoparticle detection using optical microcavities. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 5976-5979.	7.1	277
108	A versatile gene trap to visualize and interrogate the function of the vertebrate proteome. Genes and Development, 2011, 25, 2306-2320.	5.9	111

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109	Intercellular Bridges in Vertebrate Gastrulation. PLoS ONE, 2011, 6, e20230.	2.5	72
110	Stereotypical Cell Division Orientation Controls Neural Rod Midline Formation in Zebrafish. Current Biology, 2010, 20, 1966-1972.	3.9	85
111	Comparison of FcRn and pIgR-Mediated Transport in MDCK Cells by Fluorescence Confocal Microscopy. Traffic, 2010, 11, 1205-1220.	2.7	28
112	Programmable in situ amplification for multiplexed imaging of mRNA expression. Nature Biotechnology, 2010, 28, 1208-1212.	17.5	567
113	Dynamic Analysis of Vascular Morphogenesis Using Transgenic Quail Embryos. PLoS ONE, 2010, 5, e12674.	2.5	153
114	Second harmonic generating (SHG) nanoprobes for in vivo imaging. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 14535-14540.	7.1	267
115	Modulation of neuronal activity and plasma membrane properties with low-power millimeter waves in organotypic cortical slices. Journal of Neural Engineering, 2010, 7, 045003.	3.5	63
116	In Ovo Live Imaging of Avian Embryos: Figure 1.. Cold Spring Harbor Protocols, 2010, 2010, pdb.prot5446.	0.3	32
117	Secondary pigment dispersion syndrome with single-piece acrylic IOL. Journal of Cataract and Refractive Surgery, 2010, 36, 1610-1611.	1.5	9
118	Imaging the dynamics of embryonic development. FASEB Journal, 2010, 24, 299.1.	0.5	0
119	Mechanistic Perspective of Early Vertebrate Cardiogenesis. FASEB Journal, 2010, 24, 180.5.	0.5	0
120	Trajectory Approach to Two-State Kinetics of Single Particles on Sculpted Energy Landscapes. Physical Review Letters, 2009, 103, 050603.	7.8	29
121	Second harmonic generating (SHG) nanoprobes: a new tool for biomedical imaging. Proceedings of SPIE, 2009, , .	0.8	2
122	Examining the Degree of Pain Reduction Using a Multielement Exercise Model with a Conventional Training Shoe Versus an Ultraflexible Training Shoe for Treating Plantar Fasciitis. Physician and Sportsmedicine, 2009, 37, 68-74.	2.1	23
123	Reversing Blood Flows Act through klf2a to Ensure Normal Valvulogenesis in the Developing Heart. PLoS Biology, 2009, 7, e1000246.	5.6	272
124	Biological Systems from an Engineer's Point of View. PLoS Biology, 2009, 7, e1000021.	5.6	35
125	Grueneberg ganglion olfactory subsystem employs a cGMP signaling pathway. Journal of Comparative Neurology, 2009, 516, 36-48.	1.6	53
126	The dynein regulatory complex is required for ciliary motility and otolith biogenesis in the inner ear. Nature, 2009, 457, 205-209.	27.8	110

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127	Quantitative imaging of collective cell migration during <i>Drosophila</i> gastrulation: multiphoton microscopy and computational analysis. <i>Nature Protocols</i> , 2009, 4, 1397-1412.	12.0	58
128	A uniplanar three-axis gradient set for in vivo magnetic resonance microscopy. <i>Journal of Magnetic Resonance</i> , 2009, 200, 38-48.	2.1	11
129	Fate map and morphogenesis of presumptive neural crest and dorsal neural tube. <i>Developmental Biology</i> , 2009, 330, 221-236.	2.0	60
130	Volumetric microvascular imaging of human retina using optical coherence tomography with a novel motion contrast technique. <i>Optics Express</i> , 2009, 17, 22190.	3.4	198
131	Probing cilia-driven flow in living embryos using femtosecond laser ablation and fast imaging. <i>Proceedings of SPIE</i> , 2009, , .	0.8	0
132	Circumferential strain in the wall of the common carotid artery: Comparing displacement-encoded and cine MRI in volunteers. <i>Magnetic Resonance in Medicine</i> , 2008, 60, 8-13.	3.0	33
133	An All-Optical Approach for Probing Microscopic Flows in Living Embryos. <i>Biophysical Journal</i> , 2008, 95, L29-L31.	0.5	71
134	Chapter 11 Time-lapse Imaging of the Early Avian Embryo. <i>Methods in Cell Biology</i> , 2008, 87, 211-236.	1.1	8
135	Vital Labeling of Embryonic Cells Using Fluorescent Dyes and Proteins. <i>Methods in Cell Biology</i> , 2008, 87, 187-210.	1.1	12
136	Characterization of high-Q optical microcavities using confocal microscopy. <i>Optics Letters</i> , 2008, 33, 2931.	3.3	2
137	Dynamic Analyses of <i>Drosophila</i> Gastrulation Provide Insights into Collective Cell Migration. <i>Science</i> , 2008, 322, 1546-1550.	12.6	141
138	Quantitative imaging of the collective cell movements shaping an embryo. , 2008, , .		0
139	Label-free detection of cytokines using optical microcavities. , 2008, , .		1
140	Phase-Contrast OCT Imaging of Transverse Flows in the Mouse Retina and Choroid. , 2008, 49, 5055.		74
141	Three-dimensional real-time imaging of cardiac cell motions in living embryos. <i>Journal of Biomedical Optics</i> , 2008, 13, 1.	2.6	28
142	Fast fluorescence microscopy for imaging the dynamics of embryonic development. <i>HFSP Journal</i> , 2008, 2, 143-155.	2.5	76
143	Double time-scale image reconstruction of the beating and developing embryonic zebrafish heart. , 2008, , .		1
144	Label-free single-molecule all-optical sensor. <i>Proceedings of SPIE</i> , 2008, , .	0.8	1

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145	The Digital Fish Project—In toto imaging and FlipTraps for Digitizing Development. <i>FASEB Journal</i> , 2008, 22, 253-3.	0.5	1
146	High-Speed and Long-Term Imaging of Cell Dynamics in the Developing Heart. <i>FASEB Journal</i> , 2008, 22, 253-5.	0.5	0
147	Differences in protein mobility between pioneer versus follower growth cones. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 1207-1212.	7.1	14
148	Motion-sensitive 3-D optical coherence microscope operating at 1300 nm for the visualization of early frog development. , 2007, , .		0
149	Label-free, single molecule detection of cytokines using optical microcavities. <i>Conference Proceedings - Lasers and Electro-Optics Society Annual Meeting-LEOS</i> , 2007, , .	0.0	0
150	Imaging vasculature independent of direction of flow using spectral domain optical coherence tomography. , 2007, , .		0
151	Formation of the dorsal marginal zone in <i>Xenopus laevis</i> analyzed by time-lapse microscopic magnetic resonance imaging. <i>Developmental Biology</i> , 2007, 305, 161-171.	2.0	16
152	Label-Free, Single Molecule Microsensors. <i>Optics and Photonics News</i> , 2007, 18, 25.	0.5	0
153	Mobility and transverse flow visualization using phase variance contrast with spectral domain optical coherence tomography. <i>Optics Express</i> , 2007, 15, 12636.	3.4	229
154	Imaging in Systems Biology. <i>Cell</i> , 2007, 130, 784-795.	28.9	244
155	Vascular remodeling of the mouse yolk sac requires hemodynamic force. <i>Development (Cambridge)</i> , 2007, 134, 3317-3326.	2.5	418
156	Label-Free, Single-Molecule Detection with Optical Microcavities. <i>Science</i> , 2007, 317, 783-787.	12.6	1,066
157	Label-free detection of chemical messenger proteins. , 2007, , .		0
158	Fluorescent in situ hybridization employing the conventional NBT/BCIP chromogenic stain. <i>BioTechniques</i> , 2007, 42, 756-759.	1.8	58
159	Digital Three-Dimensional Atlas of Quail Development Using High-Resolution MRI. <i>Scientific World Journal, The</i> , 2007, 7, 592-604.	2.1	47
160	Two-dimensional and three-dimensional time-lapse microscopic magnetic resonance imaging of <i>Xenopus</i> gastrulation movements using intrinsic tissue-specific contrast. <i>Developmental Dynamics</i> , 2007, 236, 494-501.	1.8	21
161	T2-weighted $\frac{1}{4}$ MRI and Evoked Potential of the Visual System Measurements During the Development of Hypomyelinated Transgenic Mice. <i>Neurochemical Research</i> , 2007, 32, 159-165.	3.3	11
162	Digital Three-Dimensional Atlas of Quail Development Using High-Resolution MRI. <i>TSW Development & Embryology</i> , 2007, 2, 47-59.	0.2	3

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163	Vascular Remodeling of the Mouse Yolk Sac Requires Hydraulic Force. <i>FASEB Journal</i> , 2007, 21, A230.	0.5	1
164	A 1/4MRI Atlas of Quail Development. <i>FASEB Journal</i> , 2007, 21, A201.	0.5	0
165	The Embryonic Vertebrate Heart Tube Is a Dynamic Suction Pump. <i>Science</i> , 2006, 312, 751-753.	12.6	260
166	Formation and removal of alkylthiolate self-assembled monolayers on gold in aqueous solutions. <i>Lab on A Chip</i> , 2006, 6, 289.	6.0	41
167	Intracellular Transport Dynamics of Endosomes Containing DNA Polyplexes along the Microtubule Network. <i>Biophysical Journal</i> , 2006, 90, L42-L44.	0.5	40
168	Confocal quantification of cis-regulatory reporter gene expression in living sea urchin. <i>Developmental Biology</i> , 2006, 299, 543-550.	2.0	20
169	Transverse priority phase sensitive optical coherence tomography. , 2006, 6079, 361.		0
170	Related Methods for Three-Dimensional Imaging. , 2006, , 607-626.		0
171	New tools for visualization and analysis of morphogenesis in spherical embryos. <i>Developmental Dynamics</i> , 2006, 235, spc1-spc1.	1.8	0
172	Rapid three-dimensional imaging and analysis of the beating embryonic heart reveals functional changes during development. <i>Developmental Dynamics</i> , 2006, 235, 2940-2948.	1.8	134
173	Time-lapse tracing of mitotic cell divisions in the early <i>Xenopus</i> embryo using microscopic MRI. <i>Developmental Dynamics</i> , 2006, 235, 3059-3062.	1.8	15
174	Myelin deficiencies visualized in vivo: Visually evoked potentials and T2-weighted magnetic resonance images of shiverer mutant and wild-type mice. <i>Journal of Neuroscience Research</i> , 2006, 84, 1716-1726.	2.9	33
175	Dishevelled genes mediate a conserved mammalian PCP pathway to regulate convergent extension during neurulation. <i>Development (Cambridge)</i> , 2006, 133, 1767-1778.	2.5	309
176	FGF Signaling Mediates Regeneration of the Differentiating Cerebellum through Repatterning of the Anterior Hindbrain and Reinitiation of Neuronal Migration. <i>Journal of Neuroscience</i> , 2006, 26, 7293-7304.	3.6	58
177	Dynamic In Vivo Imaging of Mammalian Hematovascular Development Using Whole Embryo Culture. , 2005, 105, 381-394.		16
178	Wavelet-based synchronization of nongated confocal microscopy data for 4D imaging of the embryonic heart. , 2005, , .		3
179	The Grueneberg ganglion projects to the olfactory bulb. <i>NeuroReport</i> , 2005, 16, 1929-1932.	1.2	66
180	New syntheses for 11-(mercaptoundecyl)triethylene glycol and mercaptododecyltriethyleneoxy biotin amide. <i>Tetrahedron Letters</i> , 2005, 46, 4813-4816.	1.4	16

#	ARTICLE	IF	CITATIONS
181	Magnetic resonance microscopy: recent advances and applications. <i>Current Opinion in Biotechnology</i> , 2005, 16, 93-99.	6.6	118
182	Quantum dots are powerful multipurpose vital labeling agents in zebrafish embryos. <i>Developmental Dynamics</i> , 2005, 234, 670-681.	1.8	100
183	New tools for visualization and analysis of morphogenesis in spherical embryos. <i>Developmental Dynamics</i> , 2005, 234, 974-983.	1.8	14
184	Quantitating intracellular transport of polyplexes by spatio-temporal image correlation spectroscopy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 7523-7528.	7.1	84
185	Four-dimensional cardiac imaging in living embryos via postacquisition synchronization of nongated slice sequences. <i>Journal of Biomedical Optics</i> , 2005, 10, 054001.	2.6	147
186	Time-Lapse Analysis Reveals a Series of Events by Which Cranial Neural Crest Cells Reroute around Physical Barriers. <i>Brain, Behavior and Evolution</i> , 2005, 66, 255-265.	1.7	12
187	The Role of Microfilaments in Early Meiotic Maturation of Mouse Oocytes. <i>Microscopy and Microanalysis</i> , 2005, 11, 146-153.	0.4	28
188	Single Cell Kinetics of Intracellular, Nonviral, Nucleic Acid Delivery Vehicle Acidification and Trafficking. <i>Bioconjugate Chemistry</i> , 2005, 16, 986-994.	3.6	65
189	FRET Measurements Using Multispectral Imaging. , 2005, , 180-192.		1
190	Regional requirements for Dishevelled signaling during <i>Xenopus</i> gastrulation: separable effects on blastopore closure, mesendoderm internalization and archenteron formation. <i>Development (Cambridge)</i> , 2004, 131, 6195-6209.	2.5	73
191	Measuring hemodynamic changes during mammalian development. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2004, 287, H1561-H1569.	3.2	158
192	Planar cell polarity signalling controls cell division orientation during zebrafish gastrulation. <i>Nature</i> , 2004, 430, 689-693.	27.8	374
193	bullwinkle is required for epithelial morphogenesis during <i>Drosophila</i> oogenesis. <i>Developmental Biology</i> , 2004, 267, 320-341.	2.0	81
194	Mapping transplanted stem cell migration after a stroke: a serial, in vivo magnetic resonance imaging study. <i>NeuroImage</i> , 2004, 21, 311-317.	4.2	261
195	Multispectral Laser Scanning Microscopy: Dynamic Studies in Embryos. <i>Microscopy and Microanalysis</i> , 2004, 10, 164-165.	0.4	0
196	Time-Lapse Microscopy of Brain Development. <i>Methods in Cell Biology</i> , 2004, 76, 207-235.	1.1	23
197	The year(s) of the contrast agent "micro-MRI in the new millennium. <i>Current Opinion in Immunology</i> , 2003, 15, 385-392.	5.5	46
198	Intracardiac fluid forces are an essential epigenetic factor for embryonic cardiogenesis. <i>Nature</i> , 2003, 421, 172-177.	27.8	943

#	ARTICLE	IF	CITATIONS
199	Crystal gazing in optical microscopy. <i>Nature Biotechnology</i> , 2003, 21, 1272-1273.	17.5	16
200	Technicolour transgenics: imaging tools for functional genomics in the mouse. <i>Nature Reviews Genetics</i> , 2003, 4, 613-625.	16.3	157
201	Digitizing life at the level of the cell: high-performance laser-scanning microscopy and image analysis for in toto imaging of development. <i>Mechanisms of Development</i> , 2003, 120, 1407-1420.	1.7	206
202	Mitofusins Mfn1 and Mfn2 coordinately regulate mitochondrial fusion and are essential for embryonic development. <i>Journal of Cell Biology</i> , 2003, 160, 189-200.	5.2	2,081
203	Wnt signaling components in the chicken intestinal tract. <i>Developmental Biology</i> , 2003, 256, 18-33.	2.0	31
204	Multiphoton excitation spectra in biological samples. <i>Journal of Biomedical Optics</i> , 2003, 8, 329.	2.6	109
205	Axon fasciculation and differences in midline kinetics between pioneer and follower axons within commissural fascicles. <i>Development (Cambridge)</i> , 2003, 130, 4999-5008.	2.5	80
206	Distinct modes of floor plate induction in the chick embryo. <i>Development (Cambridge)</i> , 2003, 130, 4809-4821.	2.5	75
207	Micro-MRI at 11.7 T of a Murine Brain Tumor Model Using Delayed Contrast Enhancement. <i>Molecular Imaging</i> , 2003, 2, 153535002003031.	1.4	1
208	Assembly of $\alpha 4\beta 2$ Nicotinic Acetylcholine Receptors Assessed with Functional Fluorescently Labeled Subunits: Effects of Localization, Trafficking, and Nicotine-Induced Upregulation in Clonal Mammalian Cells and in Cultured Midbrain Neurons. <i>Journal of Neuroscience</i> , 2003, 23, 11554-11567.	3.6	176
209	Micro-MRI at 11.7 T of a Murine Brain Tumor Model Using Delayed Contrast Enhancement. <i>Molecular Imaging</i> , 2003, 2, 150-158.	1.4	16
210	<title>Sensitive imaging of spectrally overlapping fluorochemicals using the LSM 510 META</title>. , 2002, , .		17
211	Quantitative imaging of cis-regulatory reporters in living embryos. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 12895-12900.	7.1	17
212	Modeling a Hox Gene Network in Silico Using a Stochastic Simulation Algorithm. <i>Developmental Biology</i> , 2002, 246, 122-131.	2.0	28
213	Cell Dynamics During Somite Boundary Formation Revealed by Time-Lapse Analysis. <i>Science</i> , 2002, 298, 991-995.	12.6	128
214	Tracking Transplanted Stem Cell Migration Using Bifunctional, Contrast Agent-Enhanced, Magnetic Resonance Imaging. <i>NeuroImage</i> , 2002, 17, 803-811.	4.2	257
215	Convergent Extension. <i>Developmental Cell</i> , 2002, 2, 695-706.	7.0	550
216	Towards a Tralfamadorian view of the embryo: multidimensional imaging of development. <i>Current Opinion in Neurobiology</i> , 2002, 12, 580-586.	4.2	24

#	ARTICLE	IF	CITATIONS
217	Surface imaging microscopy, an automated method for visualizing whole embryo samples in three dimensions at high resolution. <i>Developmental Dynamics</i> , 2002, 225, 369-375.	1.8	84
218	Dynamic in vivo imaging of postimplantation mammalian embryos using whole embryo culture. <i>Genesis</i> , 2002, 34, 228-235.	1.6	124
219	Tracking Transplanted Stem Cell Migration Using Bifunctional, Contrast Agent-Enhanced, Magnetic Resonance Imaging. <i>NeuroImage</i> , 2002, 17, 803-811.	4.2	30
220	Tracking transplanted stem cell migration using bifunctional, contrast agent-enhanced, magnetic resonance imaging. <i>NeuroImage</i> , 2002, 17, 803-11.	4.2	94
221	Tracing Transgene Expression in Living Zebrafish Embryos. <i>Developmental Biology</i> , 2001, 233, 329-346.	2.0	300
222	Tracing the lineage of tracing cell lineages. <i>Nature Cell Biology</i> , 2001, 3, E216-E218.	10.3	91
223	Gene transfer to the embryo: Strategies for the delivery and expression of proteins at 48 to 56 hours postfertilization. <i>Journal of Pediatric Surgery</i> , 2001, 36, 1304-1307.	1.6	2
224	Structure and Emergence of Specific Olfactory Glomeruli in the Mouse. <i>Journal of Neuroscience</i> , 2001, 21, 9713-9723.	3.6	314
225	Analysis of somitogenesis using multiphoton laser scanning microscopy (MPLSM). , 2001, , .		0
226	The neuronal naturalist: watching neurons in their native habitat. <i>Nature Neuroscience</i> , 2001, 4, 1215-1220.	14.8	89
227	FGF receptor signalling is required to maintain neural progenitors during Hensen's node progression. <i>Nature Cell Biology</i> , 2001, 3, 559-566.	10.3	131
228	Calcium signaling during convergent extension in <i>Xenopus</i> . <i>Current Biology</i> , 2001, 11, 652-661.	3.9	141
229	Direct imaging of in vivo neuronal migration in the developing cerebellum. <i>Current Biology</i> , 2001, 11, 1858-1863.	3.9	126
230	Editorial overview: New technologies. <i>Current Opinion in Neurobiology</i> , 2001, 11, 591-592.	4.2	1
231	Resolution of multiple green fluorescent protein color variants and dyes using two-photon microscopy and imaging spectroscopy. <i>Journal of Biomedical Optics</i> , 2001, 6, 311.	2.6	179
232	Multiphoton Laser Scanning Microscopy and Dynamic Imaging in Embryos. , 2001, , 200-215.		0
233	In vivo visualization of gene expression using magnetic resonance imaging. <i>Nature Biotechnology</i> , 2000, 18, 321-325.	17.5	1,097
234	Dishevelled controls cell polarity during <i>Xenopus</i> gastrulation. <i>Nature</i> , 2000, 405, 81-85.	27.8	705

#	ARTICLE	IF	CITATIONS
235	Another step towards biomolecular microscopy. <i>Nature Cell Biology</i> , 2000, 2, E223-E223.	10.3	0
236	Magnetic resonance imaging for the evaluation of a novel metastatic orthotopic model of human neuroblastoma in immunodeficient mice. <i>Clinical and Experimental Metastasis</i> , 2000, 18, 455-461.	3.3	17
237	Dishevelled phosphorylation, subcellular localization and multimerization regulate its role in early embryogenesis. <i>EMBO Journal</i> , 2000, 19, 1010-1022.	7.8	258
238	Embryonic Origins of Auditory Brain-Stem Nuclei in the Chick Hindbrain. <i>Developmental Biology</i> , 2000, 224, 138-151.	2.0	78
239	An optical coherence microscope for 3-dimensional imaging in developmental biology. <i>Optics Express</i> , 2000, 6, 136.	3.4	100
240	The Molecular Metamorphosis of Experimental Embryology. <i>Cell</i> , 2000, 100, 41-55.	28.9	51
241	Confocal Imaging of Living Cells in Intact Embryos. , 1999, 122, 205-222.		9
242	Looking deeper into vertebrate development. <i>Trends in Cell Biology</i> , 1999, 9, 73-76.	7.9	75
243	A Calcium-Sensitive Magnetic Resonance Imaging Contrast Agent. <i>Journal of the American Chemical Society</i> , 1999, 121, 1413-1414.	13.7	283
244	Imaging Cells in the Developing Nervous System with Retrovirus Expressing Modified Green Fluorescent Protein. <i>Experimental Neurology</i> , 1999, 156, 394-406.	4.1	113
245	Cell Interactions and Morphogenetic Motions Pattern the Zebrafish Nervous System. , 1999, , 383-398.		2
246	MR microscopy of transgenic mice that spontaneously acquire experimental allergic encephalomyelitis. <i>Magnetic Resonance in Medicine</i> , 1998, 40, 119-132.	3.0	85
247	Pattern formation and developmental mechanisms Converging views of diverging pathways. <i>Current Opinion in Genetics and Development</i> , 1998, 8, 383-385.	3.3	2
248	Fluorescently Detectable Magnetic Resonance Imaging Agents. <i>Bioconjugate Chemistry</i> , 1998, 9, 242-249.	3.6	188
249	Specification of the Hindbrain Fate in the Zebrafish. <i>Developmental Biology</i> , 1998, 197, 283-296.	2.0	81
250	Neural Crest Cell Dynamics Revealed by Time-Lapse Video Microscopy of Whole Embryo Chick Explant Cultures. <i>Developmental Biology</i> , 1998, 204, 327-344.	2.0	151
251	<title>Resolution degradation due to brain tissue scattering</title>. , 1998, , .		0
252	A model for MRI contrast enhancement using T1 agents. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1998, 95, 8443-8448.	7.1	86

#	ARTICLE	IF	CITATIONS
253	Specification of the Zebrafish Nervous System by Nonaxial Signals. <i>Science</i> , 1997, 277, 254-257.	12.6	135
254	Heterogeneous Expression of Multiple Putative Patterning Genes by Single Cells from the Chick Hindbrain. <i>Developmental Biology</i> , 1997, 191, 259-269.	2.0	10
255	Differentiation of the vertebrate neural tube. <i>Current Opinion in Cell Biology</i> , 1997, 9, 885-891.	5.4	32
256	Interactions of Eph-related receptors and ligands confer rostrocaudal pattern to trunk neural crest migration. <i>Current Biology</i> , 1997, 7, 571-580.	3.9	365
257	Smart-Magnetic Resonance Imaging Agent That Reports on Specific Enzymatic Activity. <i>Angewandte Chemie International Edition in English</i> , 1997, 36, 726-728.	4.4	319
258	Ein intelligentes Reagens für die NMR-Bildgebung zur Bestimmung spezifischer enzymatischer Aktivität. <i>Angewandte Chemie</i> , 1997, 109, 749-752.	2.0	25
259	Intravital imaging of green fluorescent protein using two-photon laser-scanning microscopy. <i>Gene</i> , 1996, 173, 25-31.	2.2	112
260	The Cellular Patterns of BDNF and trkB Expression Suggest Multiple Roles for BDNF during Xenopus Visual System Development. <i>Developmental Biology</i> , 1996, 179, 102-115.	2.0	86
261	Chapter 8 Iontophoretic Dye Labeling of Embryonic Cells. <i>Methods in Cell Biology</i> , 1996, 51, 147-160.	1.1	27
262	Effects of brain-derived neurotrophic factor on optic axon branching and remodelling in vivo. <i>Nature</i> , 1995, 378, 192-196.	27.8	574
263	Receptor-targeted co-transport of DNA and magnetic resonance contrast agents. <i>Chemistry and Biology</i> , 1995, 2, 615-620.	6.0	74
264	Fate maps of the zebrafish embryo. <i>Current Opinion in Genetics and Development</i> , 1995, 5, 439-443.	3.3	59
265	Dorsal and Ventral Cell Types Can Arise from Common Neural Tube Progenitors. <i>Developmental Biology</i> , 1995, 172, 591-601.	2.0	29
266	A dual embryonic origin for vertebrate mechanoreceptors. <i>Science</i> , 1994, 264, 426-430.	12.6	131
267	Magnetic Resonance Microscopy of Embryonic Cell Lineages and Movements. <i>Science</i> , 1994, 263, 681-684.	12.6	175
268	Imaging neuronal development with magnetic resonance imaging (NMR) microscopy. <i>Journal of Neuroscience Methods</i> , 1994, 54, 189-196.	2.5	37
269	Rapid remodeling of retinal arbors in the tectum with and without blockade of synaptic transmission. <i>Neuron</i> , 1994, 12, 921-934.	8.1	148
270	Mouse Lemur Microscopic MRI Brain Atlas. <i>NeuroImage</i> , 1994, 1, 345-349.	4.2	24

#	ARTICLE	IF	CITATIONS
271	BDNF in the development of the visual system of Xenopus. <i>Neuron</i> , 1994, 12, 747-761.	8.1	139
272	Proportion of proliferative cells in the tadpole retina is increased after embryonic lesion. <i>Developmental Dynamics</i> , 1993, 198, 54-64.	1.8	6
273	Biological microscopy: the emergence of digital microscopy. <i>Current Opinion in Biotechnology</i> , 1993, 4, 69-74.	6.6	1
274	Segmentation moves to the fore. <i>Current Biology</i> , 1993, 3, 787-789.	3.9	9
275	Studies of Neural Cell Lineages Using Injectable Fluorescent Tracers. , 1993, , 67-79.		1
276	Looking at Early Development in Xenopus Laevis Using Nmr Micro-Imaging. , 1993, , 183-190.		0
277	Patterning of retinotectal connections in the vertebrate visual system. <i>Current Opinion in Neurobiology</i> , 1992, 2, 83-87.	4.2	25
278	In vivo analysis of cell lineage in vertebrate neurogenesis. <i>Seminars in Neuroscience</i> , 1992, 4, 337-345.	2.2	3
279	Pattern formation in the vertebrate nervous system. <i>Current Opinion in Genetics and Development</i> , 1991, 1, 217-220.	3.3	4
280	Microinjection of fluorescent tracers to study neural cell lineages. <i>Development (Cambridge)</i> , 1991, 113, 1-8.	2.5	12
281	Cell lineage analysis of the avian neural crest. <i>Development (Cambridge)</i> , 1991, 113, 17-22.	2.5	36
282	Segmentation in the chick embryo hindbrain is defined by cell lineage restrictions. <i>Nature</i> , 1990, 344, 431-435.	27.8	669
283	Competitive and positional cues in the patterning of nerve connections. <i>Journal of Neurobiology</i> , 1990, 21, 51-72.	3.6	105
284	Synaptic dynamics at the neuromuscular junction: Mechanisms and models. <i>Journal of Neurobiology</i> , 1990, 21, 223-249.	3.6	67
285	Three-dimensional microscopy toward in Vivo cellular imaging using NMR tomography. <i>Journal of Visual Communication and Image Representation</i> , 1990, 1, 56-66.	2.8	3
286	Local accumulation of acetylcholine receptors is neither necessary nor sufficient to induce cluster formation. <i>Journal of Neuroscience</i> , 1990, 10, 247-255.	3.6	26
287	Acetylcholine receptor clustering is triggered by a change in the density of a nonreceptor molecule.. <i>Journal of Cell Biology</i> , 1990, 111, 2029-2039.	5.2	17
288	Dynamic changes in optic fiber terminal arbors lead to retinotopic map formation: An in vivo confocal microscopic study. <i>Neuron</i> , 1990, 5, 159-171.	8.1	162

#	ARTICLE	IF	CITATIONS
289	Segregation of oral from aboral ectoderm precursors is completed at fifth cleavage in the embryogenesis of <i>Strongylocentrotus purpuratus</i> . <i>Developmental Biology</i> , 1990, 137, 77-85.	2.0	52
290	Defective gap-junctional communication associated with imaginal disc overgrowth and degeneration caused by mutations of the <i>dco</i> gene in <i>Drosophila</i> . <i>Developmental Biology</i> , 1990, 140, 413-429.	2.0	58
291	Cell migration in the formation of the pronephric duct in <i>Xenopus laevis</i> . <i>Developmental Biology</i> , 1990, 142, 283-292.	2.0	14
292	The Role of Neuronal Dynamics and Positional Cues in the Patterning of Nerve Connections. , 1990, , 225-235.		1
293	Electric Field-Induced Redistribution of ACh Receptors on Cultured Muscle Cells: Electromigration, Diffusion, and Aggregation. <i>Biological Bulletin</i> , 1989, 176, 157-163.	1.8	6
294	Developmental potential of avian trunk neural crest cells in situ. <i>Neuron</i> , 1989, 3, 755-766.	8.1	325
295	Electrophoresis of Cytoplasmic Molecules Through Gap Junctions by Externally Applied Electric Fields. <i>Biological Bulletin</i> , 1989, 176, 150-156.	1.8	1
296	Cell lineage analysis reveals multipotent precursors in the ciliary margin of the frog retina. <i>Developmental Biology</i> , 1989, 136, 254-263.	2.0	192
297	Electrophoretic repatterning of charged cytoplasmic molecules within tissues coupled by gap junctions by externally applied electric fields. <i>Developmental Biology</i> , 1989, 132, 179-188.	2.0	38
298	Gradual appearance of a regulated retinotectal projection pattern in <i>Xenopus laevis</i> . <i>Developmental Biology</i> , 1989, 132, 251-265.	2.0	13
299	Application of new technologies to studies of neural crest migration and differentiation. <i>American Journal of Medical Genetics Part A</i> , 1988, 31, 23-39.	2.4	7
300	Cell lineage analysis reveals multipotency of some avian neural crest cells. <i>Nature</i> , 1988, 335, 161-164.	27.8	570
301	Alterations in the <i>Xenopus</i> retinotectal projection by antibodies to <i>Xenopus</i> N-CAM. <i>Developmental Biology</i> , 1988, 129, 217-230.	2.0	59
302	Mapping of neural crest pathways in <i>Xenopus laevis</i> using inter- and intra-specific cell markers. <i>Developmental Biology</i> , 1988, 127, 119-132.	2.0	80
303	Wound healing, cell communication, and DNA synthesis during imaginal disc regeneration in <i>Drosophila</i> . <i>Developmental Biology</i> , 1988, 127, 197-208.	2.0	54
304	Acetylcholine receptors and concanavalin A-binding sites on cultured <i>Xenopus</i> muscle cells: electrophoresis, diffusion, and aggregation [corrected and republished article originally printed in <i>J Cell Biol</i> 1988 May;106(5):1723-34]. <i>Journal of Cell Biology</i> , 1988, 107, 1397-1408.	5.2	51
305	Multipotent Precursors Can Give Rise to All Major Cell Types of the Frog Retina. <i>Science</i> , 1988, 239, 1142-1145.	12.6	637
306	A cell lineage analysis of segmentation in the chick embryo. <i>Development (Cambridge)</i> , 1988, 104, 231-244.	2.5	148

#	ARTICLE	IF	CITATIONS
307	Positional Cues in the Developing Eyebud of <i>Xenopus</i> . <i>Cell and Developmental Biology of the Eye</i> , 1988, , 47-68.	0.1	1
308	Adhesive Interactions and the Patterning of Nerve Connections: An Experimental and Theoretical Approach. <i>American Zoologist</i> , 1987, 27, 207-218.	0.7	0
309	Selective disruption of gap junctional communication interferes with a patterning process in hydra. <i>Science</i> , 1987, 237, 49-55.	12.6	230
310	Dynamic aspects of retinotectal map formation revealed by a vital-dye fiber-tracing technique. <i>Developmental Biology</i> , 1986, 114, 265-276.	2.0	102
311	Pattern regulation in the eyebud of <i>Xenopus</i> studied with a vital-dye fiber-tracing technique. <i>Developmental Biology</i> , 1986, 114, 277-288.	2.0	13
312	Patterns of dye coupling in the imaginal wing disk of <i>Drosophila melanogaster</i> . <i>Nature</i> , 1985, 317, 533-536.	27.8	38
313	Gap junctions and cell interactions during development. <i>Trends in Neurosciences</i> , 1985, 8, 3-4.	8.6	7
314	Alteration of the retinotectal map in <i>Xenopus</i> by antibodies to neural cell adhesion molecules.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1984, 81, 4222-4226.	7.1	107
315	Fiber optic mapping of the <i>Xenopus</i> visual system: Shift in the retinotectal projection during development. <i>Developmental Biology</i> , 1983, 95, 505-511.	2.0	57
316	Eye dominance columns from an isogenic double-nasal frog eye. <i>Science</i> , 1983, 221, 293-295.	12.6	39
317	Chapter 3 Development, Maintenance, and Modulation of Patterned Membrane Topography: Models Based on the Acetylcholine Receptor. <i>Current Topics in Developmental Biology</i> , 1982, 17, 77-100.	2.2	35
318	Temporal and spatial distributions of red cell velocity in capillaries of resting skeletal muscle, including estimates of red cell transit times. <i>Microvascular Research</i> , 1981, 22, 14-31.	2.5	37
319	Epithelial cells of <i>Hydra</i> are dye-coupled. <i>Nature</i> , 1981, 294, 356-358.	27.8	27
320	Retinotectal Specificity: Models and Experiments in Search of a Mapping Function. <i>Annual Review of Neuroscience</i> , 1980, 3, 319-352.	10.7	107
321	Retinotectal plasticity in <i>Xenopus</i> : Anomalous ipsilateral projection following late larval eye removal. <i>Developmental Biology</i> , 1980, 79, 444-452.	2.0	12
322	A differential adhesion approach to the patterning of nerve connections. <i>Developmental Biology</i> , 1980, 79, 453-464.	2.0	109
323	Quantity as a Fish Views It: Behavior and Neurobiology. <i>Frontiers in Neuroanatomy</i> , 0, 16, .	1.7	9