

Rusty D Lansford

List of Publications by Citations

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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.

67

papers

2,881

citations

22

h-index

53

g-index

70

ext. papers

3,301

ext. citations

4.9

avg, IF

4.52

L-index

#	Paper	IF	Citations
67	Becoming a new neuron in the adult olfactory bulb. <i>Nature Neuroscience</i> , 2003 , 6, 507-18	25.5	665
66	Interactions of Eph-related receptors and ligands confer rostrocaudal pattern to trunk neural crest migration. <i>Current Biology</i> , 1997 , 7, 571-80	6.3	346
65	Ku70 is required for late B cell development and immunoglobulin heavy chain class switching. <i>Journal of Experimental Medicine</i> , 1998 , 187, 2081-9	16.6	256
64	A class switch control region at the 3Tend of the immunoglobulin heavy chain locus. <i>Cell</i> , 1994 , 77, 737-47	36.2	227
63	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, 311-8	3.5	158
62	Dynamic analysis of vascular morphogenesis using transgenic quail embryos. <i>PLoS ONE</i> , 2010 , 5, e12674	3.7	118
61	Imaging cells in the developing nervous system with retrovirus expressing modified green fluorescent protein. <i>Experimental Neurology</i> , 1999 , 156, 394-406	5.7	104
60	Mapping a multiplexed zoo of mRNA expression. <i>Development (Cambridge)</i> , 2016 , 143, 3632-3637	6.6	95
59	Japanese quail (<i>Coturnix japonica</i>) as a laboratory animal model. <i>Lab Animal</i> , 2008 , 37, 513-9	0.4	84
58	The left-right Pitx2 pathway drives organ-specific arterial and lymphatic development in the intestine. <i>Developmental Cell</i> , 2014 , 31, 690-706	10.2	73
57	Dynamic positional fate map of the primary heart-forming region. <i>Developmental Biology</i> , 2009 , 332, 212-22	3.1	45
56	Japanese quail: an efficient animal model for the production of transgenic avians. <i>Cold Spring Harbor Protocols</i> , 2009 , 2009, pdb.emo112	1.2	44
55	Digital three-dimensional atlas of quail development using high-resolution MRI. <i>Scientific World Journal, The</i> , 2007 , 7, 592-604	2.2	38
54	Ig heavy chain class switching in Rag-deficient mice. <i>International Immunology</i> , 1998 , 10, 325-32	4.9	38
53	Convective tissue movements play a major role in avian endocardial morphogenesis. <i>Developmental Biology</i> , 2012 , 363, 348-61	3.1	36
52	Formation and removal of alkylthiolate self-assembled monolayers on gold in aqueous solutions. <i>Lab on A Chip</i> , 2006 , 6, 289-95	7.2	36
51	Dynamic imaging of the growth plate cartilage reveals multiple contributors to skeletal morphogenesis. <i>Nature Communications</i> , 2015 , 6, 6798	17.4	33

50	Nociceptive sensory neurons derive from contralaterally migrating, fate-restricted neural crest cells. <i>Nature Neuroscience</i> , 2007 , 10, 1287-93	25.5	33
49	Multi-scale quantification of tissue behavior during amniote embryo axis elongation. <i>Development (Cambridge)</i> , 2017 , 144, 4462-4472	6.6	32
48	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	3.4	31
47	A transgenic quail model that enables dynamic imaging of amniote embryogenesis. <i>Development (Cambridge)</i> , 2015 , 142, 2850-9	6.6	26
46	Airway branching has conserved needs for local parasympathetic innervation but not neurotransmission. <i>BMC Biology</i> , 2014 , 12, 92	7.3	24
45	Prometastatic GPCR CD97 is a direct target of tumor suppressor microRNA-126. <i>ACS Chemical Biology</i> , 2014 , 9, 334-8	4.9	22
44	Generating transgenic quail using lentiviruses. <i>Methods in Cell Biology</i> , 2008 , 87, 281-93	1.8	20
43	Four-color, 4-D time-lapse confocal imaging of chick embryos. <i>BioTechniques</i> , 2005 , 39, 703-10	2.5	20
42	The quail genome: insights into social behaviour, seasonal biology and infectious disease response. <i>BMC Biology</i> , 2020 , 18, 14	7.3	19
41	Transgenesis and imaging in birds, and available transgenic reporter lines. <i>Development Growth and Differentiation</i> , 2013 , 55, 406-21	3	19
40	Electroporation and EGFP labeling of gastrulating quail embryos. <i>Developmental Dynamics</i> , 2006 , 235, 2802-10	2.9	19
39	Basal filopodia and vascular mechanical stress organize fibronectin into pillars bridging the mesoderm-endoderm gap. <i>Development (Cambridge)</i> , 2017 , 144, 281-291	6.6	18
38	Circulating blood island-derived cells contribute to vasculogenesis in the embryo proper. <i>Developmental Biology</i> , 2003 , 262, 162-72	3.1	16
37	Combinatorial analysis of mRNA expression patterns in mouse embryos using hybridization chain reaction. <i>Cold Spring Harbor Protocols</i> , 2015 , 2015, 259-68	1.2	14
36	New syntheses for 11-(mercaptoundecyl)triethylene glycol and mercaptododecyltriethyleneoxy biotin amide. <i>Tetrahedron Letters</i> , 2005 , 46, 4813-4816	2	14
35	In vivo time-lapse imaging reveals extensive neural crest and endothelial cell interactions during neural crest migration and formation of the dorsal root and sympathetic ganglia. <i>Developmental Biology</i> , 2016 , 413, 70-85	3.1	13
34	Dynamic lineage analysis of embryonic morphogenesis using transgenic quail and 4D multispectral imaging. <i>Genesis</i> , 2011 , 49, 619-43	1.9	12
33	Watching the assembly of an organ a single cell at a time using confocal multi-position photoactivation and multi-time acquisition. <i>Organogenesis</i> , 2009 , 5, 238-47	1.7	12

32	Avian Primordial Germ Cells Contribute to and Interact With the Extracellular Matrix During Early Migration. <i>Frontiers in Cell and Developmental Biology</i> , 2019 , 7, 35	5.7	11
31	Japanese Quail as a Laboratory Animal Model 2015 , 1087-1108		11
30	Time-lapse microscopy of macrophages during embryonic vascular development. <i>Developmental Dynamics</i> , 2012 , 241, 1423-31	2.9	11
29	Multispectral fingerprinting for improved in vivo cell dynamics analysis. <i>BMC Developmental Biology</i> , 2010 , 10, 101	3.1	9
28	Germline transcription and recombination of a murine VDJmudeltagamma1 transgene. <i>International Immunology</i> , 1998 , 10, 1027-37	4.9	9
27	Generation of high-titer lentivirus for the production of transgenic quail. <i>Cold Spring Harbor Protocols</i> , 2009 , 2009, pdb.prot5117	1.2	8
26	Advanced optical imaging in living embryos. <i>Cellular and Molecular Life Sciences</i> , 2010 , 67, 3489-97	10.3	8
25	High-speed multicolor microscopy of repeating dynamic processes. <i>Genesis</i> , 2011 , 49, 514-21	1.9	7
24	Injection of lentivirus into stage-X blastoderm for the production of transgenic quail. <i>Cold Spring Harbor Protocols</i> , 2009 , 2009, pdb.prot5118	1.2	6
23	Embryogenesis of the first circulating endothelial cells. <i>PLoS ONE</i> , 2013 , 8, e60841	3.7	6
22	Fluorescent Quail: A Transgenic Model System for the Dynamic Study of Avian Development. <i>Methods in Molecular Biology</i> , 2017 , 1650, 125-147	1.4	5
21	The quail as an avian model system: its genome provides insights into social behaviour, seasonal biology and infectious disease response		5
20	Screening for transgenic Japanese quail offspring. <i>Cold Spring Harbor Protocols</i> , 2009 , 2009, pdb.prot5119	1.2	4
19	Follow Me! A Tale of Avian Heart Development with Comparisons to Mammal Heart Development. <i>Journal of Cardiovascular Development and Disease</i> , 2020 , 7,	4.2	3
18	Identification of emergent motion compartments in the amniote embryo. <i>Organogenesis</i> , 2014 , 10, 350-64	6.7	3
17	Preparation and 4D fluorescent imaging of quail embryos. <i>Cold Spring Harbor Protocols</i> , 2011 , 2011, 1375-82	3.2	3
16	4D fluorescent imaging of embryonic quail development. <i>Cold Spring Harbor Protocols</i> , 2011 , 2011, 1291-42	4.2	3
15	Multiscale quantification of tissue behavior during amniote embryo axis elongation		3

14	Ex Ovo Electroporation of DNA Vectors into Pre-gastrulation Avian Embryos. <i>Cold Spring Harbor Protocols</i> , 2007 , 2007, pdb.prot4894	1.2	3
13	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, 1304-7	2.6	2
12	Generation and analysis of lentivirus expressing a 2A peptide-linked bicistronic fluorescent construct. <i>Cold Spring Harbor Protocols</i> , 2014 , 2014, 1290-311	1.2	1
11	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	3.4	
10	In Vivo Imaging of Avian Development. <i>FASEB Journal</i> , 2006 , 20, A4	0.9	
9	A MRI Atlas of Quail Development. <i>FASEB Journal</i> , 2007 , 21, A201	0.9	
8	Computational imaging of heart morphogenesis in vivo. <i>FASEB Journal</i> , 2008 , 22, 386.1	0.9	
7	Multimodal Imaging of Embryogenesis. <i>FASEB Journal</i> , 2008 , 22, 235.3	0.9	
6	A Multiscale Analysis of Early Cardiogenesis Following VEGF Perturbations. <i>FASEB Journal</i> , 2018 , 32, 94.1	0.9	
5	Basal filopodia and vascular mechanical stress organize fibronectin into pillars bridging the mesoderm-endoderm gap. <i>Journal of Cell Science</i> , 2017 , 130, e1.2-e1.2	5.3	
4	Time-lapse imaging reveals an extra-cardiac contribution to the endocardium and cardiac jelly in avian embryos. <i>FASEB Journal</i> , 2009 , 23, 302.1	0.9	
3	Computational Analyses of Endocardial Cell Motion During Cardiovascular Morphogenesis in Transgenic Avian Embryos. <i>FASEB Journal</i> , 2010 , 24, 180.3	0.9	
2	Analysis of endothelial cell movements during aortae development. <i>FASEB Journal</i> , 2011 , 25, 177.1	0.9	
1	Dynamic imaging of cardiac precursor cell movements during early avian heart morphogenesis. <i>FASEB Journal</i> , 2011 , 25, 181.3	0.9	