

# Manli Chuai

## List of Publications by Year in descending order

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Version: 2024-02-01

46  
papers

1,150  
citations

394421

19  
h-index

434195

31  
g-index

48  
all docs

48  
docs citations

48  
times ranked

1522  
citing authors

#	ARTICLE	IF	CITATIONS
1	Myosin-II-mediated cell shape changes and cell intercalation contribute to primitive streak formation. <i>Nature Cell Biology</i> , 2015, 17, 397-408.	10.3	176
2	Cell movement during chick primitive streak formation. <i>Developmental Biology</i> , 2006, 296, 137-149.	2.0	108
3	Analysis of tissue flow patterns during primitive streak formation in the chick embryo. <i>Developmental Biology</i> , 2005, 284, 37-47.	2.0	79
4	Collective Epithelial and Mesenchymal Cell Migration During Gastrulation. <i>Current Genomics</i> , 2012, 13, 267-277.	1.6	53
5	Baicalin administration attenuates hyperglycemia-induced malformation of cardiovascular system. <i>Cell Death and Disease</i> , 2018, 9, 234.	6.3	47
6	The Mechanisms Underlying Primitive Streak Formation in the Chick Embryo. <i>Current Topics in Developmental Biology</i> , 2008, 81, 135-156.	2.2	45
7	BRE modulates granulosa cell death to affect ovarian follicle development and atresia in the mouse. <i>Cell Death and Disease</i> , 2017, 8, e2697-e2697.	6.3	45
8	High glucose environment inhibits cranial neural crest survival by activating excessive autophagy in the chick embryo. <i>Scientific Reports</i> , 2015, 5, 18321.	3.3	43
9	Regulation of cell migration during chick gastrulation. <i>Current Opinion in Genetics and Development</i> , 2009, 19, 343-349.	3.3	34
10	Excess ROS induced by AAPH causes myocardial hypertrophy in the developing chick embryo. <i>International Journal of Cardiology</i> , 2014, 176, 62-73.	1.7	34
11	Liver Fibrosis Can Be Induced by High Salt Intake through Excess Reactive Oxygen Species (ROS) Production. <i>Journal of Agricultural and Food Chemistry</i> , 2016, 64, 1610-1617.	5.2	34
12	Imidacloprid Exposure Suppresses Neural Crest Cells Generation during Early Chick Embryo Development. <i>Journal of Agricultural and Food Chemistry</i> , 2016, 64, 4705-4715.	5.2	30
13	Alcohol exposure induces chick craniofacial bone defects by negatively affecting cranial neural crest development. <i>Toxicology Letters</i> , 2017, 281, 53-64.	0.8	28
14	Angiogenesis is repressed by ethanol exposure during chick embryonic development. <i>Journal of Applied Toxicology</i> , 2016, 36, 692-701.	2.8	27
15	Biphasic influence of dexamethasone exposure on embryonic vertebrate skeleton development. <i>Toxicology and Applied Pharmacology</i> , 2014, 281, 19-29.	2.8	23
16	Zinc oxide nanoparticles exposure-induced oxidative stress restricts cranial neural crest development during chicken embryogenesis. <i>Ecotoxicology and Environmental Safety</i> , 2020, 194, 110415.	6.0	23
17	Investigating the effect of excess caffeine exposure on placental angiogenesis using chicken $\alpha$ - <sup>TM</sup> functional placental blood vessel network. <i>Journal of Applied Toxicology</i> , 2016, 36, 285-295.	2.8	22
18	Dimethyl phenyl piperazine iodide (DMPP) induces glioma regression by inhibiting angiogenesis. <i>Experimental Cell Research</i> , 2014, 320, 354-364.	2.6	21

#	ARTICLE	IF	CITATIONS
19	Who moves whom during primitive streak formation in the chick embryo. <i>HFSP Journal</i> , 2009, 3, 71-76.	2.5	20
20	Proper autophagy is indispensable for angiogenesis during chick embryo development. <i>Cell Cycle</i> , 2016, 15, 1742-1754.	2.6	19
21	From the Cover: Exposing Imidacloprid Interferes With Neurogenesis Through Impacting on Chick Neural Tube Cell Survival. <i>Toxicological Sciences</i> , 2016, 153, 137-148.	3.1	18
22	Dynamic morphoskeletons in development. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 11444-11449.	7.1	18
23	Excess Imidacloprid Exposure Causes the Heart Tube Malformation of Chick Embryos. <i>Journal of Agricultural and Food Chemistry</i> , 2016, 64, 9078-9088.	5.2	15
24	From the Cover: Usage of Dexamethasone Increases the Risk of Cranial Neural Crest Dysplasia in the Chick Embryo. <i>Toxicological Sciences</i> , 2017, 158, 36-47.	3.1	15
25	The impact of high salt exposure on cardiovascular development in the early chick embryo. <i>Journal of Experimental Biology</i> , 2015, 218, 3468-77.	1.7	14
26	Dexamethasone Exposure Accelerates Endochondral Ossification of Chick Embryos <i>via</i> Angiogenesis. <i>Toxicological Sciences</i> , 2016, 149, 167-177.	3.1	14
27	Misexpression of <i>BRE</i> gene in the developing chick neural tube affects neurulation and somitogenesis. <i>Molecular Biology of the Cell</i> , 2015, 26, 978-992.	2.1	12
28	Effects of 2,5-hexanedione on angiogenesis and vasculogenesis in chick embryos. <i>Reproductive Toxicology</i> , 2015, 51, 79-89.	2.9	11
29	Robo signaling regulates the production of cranial neural crest cells. <i>Experimental Cell Research</i> , 2017, 361, 73-84.	2.6	11
30	Atg7-Mediated Autophagy Is Involved in the Neural Crest Cell Generation in Chick Embryo. <i>Molecular Neurobiology</i> , 2018, 55, 3523-3536.	4.0	10
31	Gut microbiota-derived endotoxin enhanced the incidence of cardia bifida during cardiogenesis. <i>Journal of Cellular Physiology</i> , 2018, 233, 9271-9283.	4.1	10
32	Measurement of junctional tension in epithelial cells at the onset of primitive streak formation in the chick embryo via non-destructive optical manipulation. <i>Development (Cambridge)</i> , 2020, 147, .	2.5	10
33	Ethanol exposure represses osteogenesis in the developing chick embryo. <i>Reproductive Toxicology</i> , 2016, 62, 53-61.	2.9	9
34	Imaging cell signalling and movement in development. <i>Seminars in Cell and Developmental Biology</i> , 2009, 20, 947-955.	5.0	8
35	High Glucose Level Induces Cardiovascular Dysplasia During Early Embryo Development. <i>Experimental and Clinical Endocrinology and Diabetes</i> , 2019, 127, 590-597.	1.2	8
36	Changes in the osmolarity of the embryonic microenvironment induce neural tube defects. <i>Molecular Reproduction and Development</i> , 2015, 82, 365-376.	2.0	7

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37	Autophagy is involved in ethanol-induced cardia bifida during chick cardiogenesis. <i>Cell Cycle</i> , 2015, 14, 3306-3317.	2.6	7
38	Exposure to Excess Phenobarbital Negatively Influences the Osteogenesis of Chick Embryos. <i>Frontiers in Pharmacology</i> , 2016, 7, 349.	3.5	7
39	High salt-induced excess reactive oxygen species production resulted in heart tube malformation during gastrulation. <i>Journal of Cellular Physiology</i> , 2018, 233, 7120-7133.	4.1	7
40	Ethanol exposure leads to disorder of blood island formation in early chick embryo. <i>Reproductive Toxicology</i> , 2017, 73, 96-104.	2.9	4
41	Role of FGF signalling in neural crest cell migration during early chick embryo development. <i>Zygote</i> , 2018, 26, 457-464.	1.1	4
42	Lipopolysaccharides (LPS) Induced Angiogenesis During Chicken Embryogenesis is Abolished by Combined ETA/ETB Receptor Blockade. <i>Cellular Physiology and Biochemistry</i> , 2018, 48, 2084-2090.	1.6	4
43	Endoderm contributes to endocardial composition during cardiogenesis. <i>Science Bulletin</i> , 2014, 59, 2749-2755.	1.7	2
44	Adverse effects of high glucose levels on somite and limb development in avian embryos. <i>Food and Chemical Toxicology</i> , 2014, 71, 1-9.	3.6	2
45	Combinational electroporation and transplantation approach to studying gene functions in avian embryos. <i>Science Bulletin</i> , 2014, 59, 616-624.	1.7	0
46	Chemotactic cell movement a key mechanism of tissue dynamics and morphogenesis. <i>FASEB Journal</i> , 2011, 25, 301.1.	0.5	0