Guang Wang

List of Publications by Year in descending order

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91 papers	1,326 citations	331670 21 h-index	501196 28 g-index
94 all docs	94 docs citations	94 times ranked	1797 citing authors

#	Article	IF	Citations
1	Human embryonic stem cell-derived neural crest model unveils CD55 as a cancer stem cell regulator for therapeutic targeting inMYCN-amplified neuroblastoma. Neuro-Oncology, 2022, 24, 872-885.	1.2	11
2	Screening of differentially expressed proteins in placentas from patients with lateâ€onset preeclampsia. Proteomics - Clinical Applications, 2022, 16, e2100053.	1.6	5
3	The Role of Inactivated NF-ÎºB in Premature Ovarian Failure. American Journal of Pathology, 2022, 192, 468-483.	3.8	8
4	The doubleâ€edged sword role of TGFâ€Î² signaling pathway between intrauterine inflammation and cranial neural crest development. FASEB Journal, 2022, 36, e22113.	0.5	3
5	Nano-sulforaphane attenuates PhIP-induced early abnormal embryonic neuro-development. Annals of Anatomy, 2021, 233, 151617.	1.9	6
6	Retinoic Acid Signaling Plays a Crucial Role in Excessive Caffeine Intake-Disturbed Apoptosis and Differentiation of Myogenic Progenitors. Frontiers in Cell and Developmental Biology, 2021, 9, 586767.	3.7	1
7	The effects of longâ€term extracurricular scientific research on the medical students: Insight from Jinan University Medical School. Biochemistry and Molecular Biology Education, 2021, 49, 535-545.	1.2	1
8	Dysbacteriosis induces abnormal neurogenesis via LPS in a pathway requiring NF-ÎºB/IL-6. Pharmacological Research, 2021, 167, 105543.	7.1	12
9	Gut-Lung Dysbiosis Accompanied by Diabetes Mellitus Leads to Pulmonary Fibrotic Change through the NF-ÎºB Signaling Pathway. American Journal of Pathology, 2021, 191, 838-856.	3.8	23
10	Okadaic Acid Exposure Induced Neural Tube Defects in Chicken (Gallus gallus) Embryos. Marine Drugs, 2021, 19, 322.	4.6	8
11	Polystyrene nanoplastics exposure caused defective neural tube morphogenesis through caveolae-mediated endocytosis and faulty apoptosis. Nanotoxicology, 2021, 15, 1-20.	3.0	20
12	Endoplasmic reticulum stress-related calcium imbalance plays an important role on Zinc oxide nanoparticles-induced failure of neural tube closure during embryogenesis. Environment International, 2021, 152, 106495.	10.0	14
13	Maternal and infant outcomes during the COVID-19 pandemic: a retrospective study in Guangzhou, China. Reproductive Biology and Endocrinology, 2021, 19, 126.	3.3	3
14	Interaction between retinoic acid and FGF/ERK signals are involved in Dexamethasone-induced abnormal myogenesis during embryonic development. Toxicology, 2021, 461, 152917.	4.2	2
15	Gestational diabetes mellitus in women increased the risk of neonatal infection via inflammation and autophagy in the placenta. Medicine (United States), 2020, 99, e22152.	1.0	40
16	Function study of vasoactive intestinal peptide on chick embryonic bone development. Neuropeptides, 2020, 83, 102077.	2.2	7
17	Baicalin reversal of DNA hypermethylation-associated Klotho suppression ameliorates renal injury in type 1 diabetic mouse model. Cell Cycle, 2020, 19, 3329-3347.	2.6	18
18	Zinc oxide nanoparticles exposure-induced oxidative stress restricts cranial neural crest development during chicken embryogenesis. Ecotoxicology and Environmental Safety, 2020, 194, 110415.	6.0	23

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19	Dysbacteriosisâ€induced LPS elevation disturbs the development of muscle progenitor cells by interfering with retinoic acid signaling. FASEB Journal, 2020, 34, 6837-6853.	0.5	13
20	Folic acid rescues corticosteroidâ€induced vertebral malformations in chick embryos through targeting TGFâ€Î² signaling. Journal of Cellular Physiology, 2020, 235, 8626-8639.	4.1	4
21	Dysbacteriosis-Derived Lipopolysaccharide Causes Embryonic Osteopenia through Retinoic-Acid-Regulated DLX5 Expression. International Journal of Molecular Sciences, 2020, 21, 2518.	4.1	4
22	Baicalin rescues hyperglycemia-induced neural tube defects via targeting on retinoic acid signaling. American Journal of Translational Research (discontinued), 2020, 12, 3311-3328.	0.0	0
23	CNTF and Nrf2 Are Coordinately Involved in Regulating Self-Renewal and Differentiation of Neural Stem Cell during Embryonic Development. IScience, 2019, 19, 303-315.	4.1	14
24	Zika virus induces abnormal cranial osteogenesis by negatively affecting cranial neural crest development. Infection, Genetics and Evolution, 2019, 69, 176-189.	2.3	16
25	Acute tobacco smoke exposure exacerbates the inflammatory response to corneal wounds in mice via the sympathetic nervous system. Communications Biology, 2019, 2, 33.	4.4	18
26	Dexamethasone interferes with osteoblasts formation during osteogenesis through altering IGFâ€1â€mediated angiogenesis. Journal of Cellular Physiology, 2019, 234, 15167-15181.	4.1	13
27	Role of nuclear factorâ€ÎºB pathway in the transition of mouse secondary follicles to antral follicles. Journal of Cellular Physiology, 2019, 234, 22565-22580.	4.1	10
28	EMT is the major target for okadaic acid-suppressed the development of neural crest cells in chick embryo. Ecotoxicology and Environmental Safety, 2019, 180, 192-201.	6.0	2
29	The role of SCF ubiquitin-ligase complex at the beginning of life. Reproductive Biology and Endocrinology, 2019, 17, 101.	3.3	25
30	Cell survival controlled by lensâ€derived Sema3Aâ€“Nrp1 is vital on caffeineâ€suppressed corneal innervation during chick organogenesis. Journal of Cellular Physiology, 2019, 234, 9826-9838.	4.1	2
31	Microbiotaâ€derived lipopolysaccharide retards chondrocyte hypertrophy in the growth plate through elevating Sox9 expression. Journal of Cellular Physiology, 2019, 234, 2593-2605.	4.1	12
32	High saltâ€induced excess reactive oxygen species production resulted in heart tube malformation during gastrulation. Journal of Cellular Physiology, 2018, 233, 7120-7133.	4.1	7
33	Baicalin administration attenuates hyperglycemia-induced malformation of cardiovascular system. Cell Death and Disease, 2018, 9, 234.	6.3	47
34	Revealing histological and morphological features of female reproductive system in tree shrew (Tupaia belangeri). Zoomorphology, 2018, 137, 191-199.	0.8	0
35	Atg7-Mediated Autophagy Is Involved in the Neural Crest Cell Generation in Chick Embryo. Molecular Neurobiology, 2018, 55, 3523-3536.	4.0	10
36	Gut microbiotaâ€derived endotoxin enhanced the incidence of cardia bifida during cardiogenesis. Journal of Cellular Physiology, 2018, 233, 9271-9283.	4.1	10

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37	Negative impact of hyperglycaemia on mouse alveolar development. Cell Cycle, 2018, 17, 80-91.	2.6	11
38	Role of FGF signalling in neural crest cell migration during early chick embryo development. Zygote, 2018, 26, 457-464.	1.1	4
39	N-Acetylcysteine Suppresses LPS-Induced Pathological Angiogenesis. Cellular Physiology and Biochemistry, 2018, 49, 2483-2495.	1.6	11
40	Design of damage identification algorithm for mechanical structures based on convolutional neural network. Concurrency Computation Practice and Experience, 2018, 30, e4891.	2.2	8
41	Applying chlorogenic acid in an alginate scaffold of chondrocytes can improve the repair of damaged articular cartilage. PLoS ONE, 2018, 13, e0195326.	2.5	28
42	Oxidative stress and NF-Î²B signaling are involved in LPS induced pulmonary dysplasia in chick embryos. Cell Cycle, 2018, 17, 1757-1771.	2.6	23
43	Lipopolysaccharides (LPS) Induced Angiogenesis During Chicken Embryogenesis is Abolished by Combined ETA/ETB Receptor Blockade. Cellular Physiology and Biochemistry, 2018, 48, 2084-2090.	1.6	4
44	Sulforaphane Rescues Ethanol-Suppressed Angiogenesis through Oxidative and Endoplasmic Reticulum Stress in Chick Embryos. Journal of Agricultural and Food Chemistry, 2018, 66, 9522-9533.	5.2	23
45	Exposure of okadaic acid alters the angiogenesis in developing chick embryos. Toxicon, 2017, 133, 74-81.	1.6	8
46	Alterted SLIT2/ROBO1 signalling is linked to impaired placentation of missed and threatened miscarriage in early pregnancy. Histopathology, 2017, 71, 543-552.	2.9	16
47	From the Cover: Usage of Dexamethasone Increases the Risk of Cranial Neural Crest Dysplasia in the Chick Embryo. Toxicological Sciences, 2017, 158, 36-47.	3.1	15
48	BRE modulates granulosa cell death to affect ovarian follicle development and atresia in the mouse. Cell Death and Disease, 2017, 8, e2697-e2697.	6.3	45
49	Robo signaling regulates the production of cranial neural crest cells. Experimental Cell Research, 2017, 361, 73-84.	2.6	11
50	Alcohol exposure induces chick craniofacial bone defects by negatively affecting cranial neural crest development. Toxicology Letters, 2017, 281, 53-64.	0.8	28
51	Ethanol exposure leads to disorder of blood island formation in early chick embryo. Reproductive Toxicology, 2017, 73, 96-104.	2.9	4
52	Overexpression of Gremlin1 in Mesenchymal Stem Cells Improves Hindlimb Ischemia in Mice by Enhancing Cell Survival. Journal of Cellular Physiology, 2017, 232, 996-1007.	4.1	28
53	Exposure to Excess Phenobarbital Negatively Influences the Osteogenesis of Chick Embryos. Frontiers in Pharmacology, 2016, 7, 349.	3.5	7
54	Investigating the effect of excess caffeine exposure on placental angiogenesis using chicken â€™functionalâ€˜ placental blood vessel network. Journal of Applied Toxicology, 2016, 36, 285-295.	2.8	22

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55	Angiogenesis is repressed by ethanol exposure during chick embryonic development. Journal of Applied Toxicology, 2016, 36, 692-701.	2.8	27
56	Nrf2 signalling and autophagy are involved in diabetes mellitus-induced defects in the development of mouse placenta. Open Biology, 2016, 6, 160064.	3.6	32
57	Imidacloprid Exposure Suppresses Neural Crest Cells Generation during Early Chick Embryo Development. Journal of Agricultural and Food Chemistry, 2016, 64, 4705-4715.	5.2	30
58	Proper autophagy is indispensable for angiogenesis during chick embryo development. Cell Cycle, 2016, 15, 1742-1754.	2.6	19
59	Effects of oxidative stress on hyperglycaemia-induced brain malformations in a diabetes mouse model. Experimental Cell Research, 2016, 347, 201-211.	2.6	14
60	From the Cover: Exposing Imidacloprid Interferes With Neurogenesis Through Impacting on Chick Neural Tube Cell Survival. Toxicological Sciences, 2016, 153, 137-148.	3.1	18
61	Phosphoinositide 3-Kinase (PI3K) Subunit p110Î´ Is Essential for Trophoblast Cell Differentiation and Placental Development in Mouse. Scientific Reports, 2016, 6, 28201.	3.3	8
62	Excess Imidacloprid Exposure Causes the Heart Tube Malformation of Chick Embryos. Journal of Agricultural and Food Chemistry, 2016, 64, 9078-9088.	5.2	15
63	Liver Fibrosis Can Be Induced by High Salt Intake through Excess Reactive Oxygen Species (ROS) Production. Journal of Agricultural and Food Chemistry, 2016, 64, 1610-1617.	5.2	34
64	Dexamethasone Exposure Accelerates Endochondral Ossification of Chick EmbryosViaAngiogenesis. Toxicological Sciences, 2016, 149, 167-177.	3.1	14
65	Robo1/2 regulate follicle atresia through manipulating granulosa cell apoptosis in mice. Scientific Reports, 2015, 5, 9720.	3.3	14
66	High glucose environment inhibits cranial neural crest survival by activating excessive autophagy in the chick embryo. Scientific Reports, 2015, 5, 18321.	3.3	43
67	Effects of Antitumor Drug Sorafenib on Chick Embryo Development. Anatomical Record, 2015, 298, 1271-1281.	1.4	1
68	ÂChanges in the osmolarity of the embryonic microenvironment induce neural tube defects. Molecular Reproduction and Development, 2015, 82, 365-376.	2.0	7
69	Investigating the Mechanism of Hyperglycemia-Induced Fetal Cardiac Hypertrophy. PLoS ONE, 2015, 10, e0139141.	2.5	50
70	Autophagy is involved in high glucose-induced heart tube malformation. Cell Cycle, 2015, 14, 772-783.	2.6	28
71	Effects of 2,5-hexanedione on angiogenesis and vasculogenesis in chick embryos. Reproductive Toxicology, 2015, 51, 79-89.	2.9	11
72	Glipizide suppresses embryonic vasculogenesis and angiogenesis through targeting natriuretic peptide receptor A. Experimental Cell Research, 2015, 333, 261-272.	2.6	17

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73	High salt intake negatively impacts ovarian follicle development. Annals of Anatomy, 2015, 200, 79-87.	1.9	10
74	Misexpression ofBREgene in the developing chick neural tube affects neurulation and somitogenesis. Molecular Biology of the Cell, 2015, 26, 978-992.	2.1	12
75	The impact of high salt exposure on cardiovascular development in the early chick embryo. Journal of Experimental Biology, 2015, 218, 3468-77.	1.7	14
76	Autophagy is involved in ethanol-induced cardia bifida during chick cardiogenesis. Cell Cycle, 2015, 14, 3306-3317.	2.6	7
77	Autophagy functions on EMT in gastrulation of avian embryo. Cell Cycle, 2014, 13, 2752-2764.	2.6	29
78	Excess caffeine exposure impairs eye development during chick embryogenesis. Journal of Cellular and Molecular Medicine, 2014, 18, 1134-1143.	3.6	25
79	Effects of High Salt-Exposure on the Development of Retina and Lens in 5.5-Day Chick Embryo. Cellular Physiology and Biochemistry, 2014, 34, 804-817.	1.6	7
80	Combinational electroporation and transplantation approach to studying gene functions in avian embryos. Science Bulletin, 2014, 59, 616-624.	1.7	0
81	Adverse effects of high glucose levels on somite and limb development in avian embryos. Food and Chemical Toxicology, 2014, 71, 1-9.	3.6	2
82	Dexamethasone Use During Pregnancy: Potential Adverse Effects on Embryonic Skeletogenesis. Current Pharmaceutical Design, 2014, 20, 5430-5437.	1.9	20
83	Enhanced beta-catenin expression and inflammation are associated with human ectopic tubal pregnancy. Human Reproduction, 2013, 28, 2363-2371.	0.9	24
84	Slit/Robo1 signaling regulates neural tube development by balancing neuroepithelial cell proliferation and differentiation. Experimental Cell Research, 2013, 319, 1083-1093.	2.6	14
85	The Negative Influence of High-Glucose Ambience on Neurogenesis in Developing Quail Embryos. PLoS ONE, 2013, 8, e66646.	2.5	10
86	Exposure to 2,5-hexanedione can induce neural malformations in chick embryos. NeuroToxicology, 2012, 33, 1239-1247.	3.0	16
87	Using modified soy protein to enhance foaming of egg white protein. Journal of the Science of Food and Agriculture, 2012, 92, 2091-2097.	3.5	11
88	Exploring the Caffeine-Induced Teratogenicity on Neurodevelopment Using Early Chick Embryo. PLoS ONE, 2012, 7, e34278.	2.5	33
89	Protective Effects of Baicalin on Diabetes Mellitus-Induced Renal Fibrosis in Mice. SSRN Electronic Journal, 0, , .	0.4	1
90	CNTF and Nrf2 are Co-ordinately Involved in Regulating Self-Renewal and Differentiation of Neural Stem Cell During Embryonic Neural Development. SSRN Electronic Journal, 0, , .	0.4	0

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91	CNTF and Nrf2 Are Co-Ordinately Involved in Regulating Self-Renewal and Differentiation of Neural Stem Cell During Embryonic Neural Development. SSRN Electronic Journal, 0, , .	0.4	0