

Xuesong Yang

List of Publications by Year in descending order

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Version: 2024-02-01

116
papers

6,948
citations

257450

24
h-index

62596

80
g-index

121
all docs

121
docs citations

121
times ranked

15870
citing authors

#	ARTICLE	IF	CITATIONS
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016, 12, 1-222.	9.1	4,701
2	Cell Movement Patterns during Gastrulation in the Chick Are Controlled by Positive and Negative Chemotaxis Mediated by FGF4 and FGF8. <i>Developmental Cell</i> , 2002, 3, 425-437.	7.0	305
3	PDGF signalling controls the migration of mesoderm cells during chick gastrulation by regulating N-cadherin expression. <i>Development (Cambridge)</i> , 2008, 135, 3521-3530.	2.5	97
4	Wnt3a-mediated chemorepulsion controls movement patterns of cardiac progenitors and requires RhoA function. <i>Development (Cambridge)</i> , 2008, 135, 1029-1037.	2.5	74
5	The "flipped classroom" approach: Stimulating positive learning attitudes and improving mastery of histology among medical students. <i>Anatomical Sciences Education</i> , 2017, 10, 317-327.	3.7	67
6	Gross Anatomy Education in China during the Covid-19 Pandemic: A National Survey. <i>Anatomical Sciences Education</i> , 2021, 14, 8-18.	3.7	60
7	Investigating the Mechanism of Hyperglycemia-Induced Fetal Cardiac Hypertrophy. <i>PLoS ONE</i> , 2015, 10, e0139141.	2.5	50
8	A New Oxidative Stress Model, 2,2-Azobis(2-Amidinopropane) Dihydrochloride Induces Cardiovascular Damages in Chicken Embryo. <i>PLoS ONE</i> , 2013, 8, e57732.	2.5	49
9	Baicalin administration attenuates hyperglycemia-induced malformation of cardiovascular system. <i>Cell Death and Disease</i> , 2018, 9, 234.	6.3	47
10	Glipizide, an antidiabetic drug, suppresses tumor growth and metastasis by inhibiting angiogenesis. <i>Oncotarget</i> , 2014, 5, 9966-9979.	1.8	46
11	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
12	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
13	Gestational diabetes mellitus in women increased the risk of neonatal infection via inflammation and autophagy in the placenta. <i>Medicine (United States)</i> , 2020, 99, e22152.	1.0	40
14	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
15	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
16	Exploring the Caffeine-Induced Teratogenicity on Neurodevelopment Using Early Chick Embryo. <i>PLoS ONE</i> , 2012, 7, e34278.	2.5	33
17	Nrf2 signalling and autophagy are involved in diabetes mellitus-induced defects in the development of mouse placenta. <i>Open Biology</i> , 2016, 6, 160064.	3.6	32
18	Tetrandrine suppresses human glioma growth by inhibiting cell survival, proliferation and tumour angiogenesis through attenuating STAT3 phosphorylation. <i>European Journal of Pharmacology</i> , 2015, 764, 228-239.	3.5	30

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19	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
20	Autophagy functions on EMT in gastrulation of avian embryo. <i>Cell Cycle</i> , 2014, 13, 2752-2764.	2.6	29
21	Autophagy is involved in high glucose-induced heart tube malformation. <i>Cell Cycle</i> , 2015, 14, 772-783.	2.6	28
22	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
23	Applying chlorogenic acid in an alginate scaffold of chondrocytes can improve the repair of damaged articular cartilage. <i>PLoS ONE</i> , 2018, 13, e0195326.	2.5	28
24	Angiogenesis is repressed by ethanol exposure during chick embryonic development. <i>Journal of Applied Toxicology</i> , 2016, 36, 692-701.	2.8	27
25	Survey of Gross Anatomy Education in China: The Past and the Present. <i>Anatomical Sciences Education</i> , 2020, 13, 390-400.	3.7	26
26	Excess caffeine exposure impairs eye development during chick embryogenesis. <i>Journal of Cellular and Molecular Medicine</i> , 2014, 18, 1134-1143.	3.6	25
27	Enhanced beta-catenin expression and inflammation are associated with human ectopic tubal pregnancy. <i>Human Reproduction</i> , 2013, 28, 2363-2371.	0.9	24
28	Biphasic influence of dexamethasone exposure on embryonic vertebrate skeleton development. <i>Toxicology and Applied Pharmacology</i> , 2014, 281, 19-29.	2.8	23
29	Clinical simulation training improves the clinical performance of Chinese medical students. <i>Medical Education Online</i> , 2015, 20, 28796.	2.6	23
30	Oxidative stress and NF- κ B signaling are involved in LPS induced pulmonary dysplasia in chick embryos. <i>Cell Cycle</i> , 2018, 17, 1757-1771.	2.6	23
31	Sulforaphane Rescues Ethanol-Suppressed Angiogenesis through Oxidative and Endoplasmic Reticulum Stress in Chick Embryos. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 9522-9533.	5.2	23
32	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
33	Gut-Lung Dysbiosis Accompanied by Diabetes Mellitus Leads to Pulmonary Fibrotic Change through the NF- κ B Signaling Pathway. <i>American Journal of Pathology</i> , 2021, 191, 838-856.	3.8	23
34	Dimethyl phenyl piperazine iodide (DMPP) induces glioma regression by inhibiting angiogenesis. <i>Experimental Cell Research</i> , 2014, 320, 354-364.	2.6	21
35	Involvement of tumor necrosis factor alpha in steroid-associated osteonecrosis of the femoral head: friend or foe?. <i>Stem Cell Research and Therapy</i> , 2019, 10, 5.	5.5	21
36	Polystyrene nanoplastics exposure caused defective neural tube morphogenesis through caveolae-mediated endocytosis and faulty apoptosis. <i>Nanotoxicology</i> , 2021, 15, 1-20.	3.0	20

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37	Dexamethasone Use During Pregnancy: Potential Adverse Effects on Embryonic Skeletogenesis. <i>Current Pharmaceutical Design</i> , 2014, 20, 5430-5437.	1.9	20
38	Proper autophagy is indispensable for angiogenesis during chick embryo development. <i>Cell Cycle</i> , 2016, 15, 1742-1754.	2.6	19
39	C1ql1/Ctrp14 and C1ql4/Ctrp11 promote angiogenesis of endothelial cells through activation of ERK1/2 signal pathway. <i>Molecular and Cellular Biochemistry</i> , 2017, 424, 57-67.	3.1	19
40	Baicalin reversal of DNA hypermethylation-associated Klotho suppression ameliorates renal injury in type 1 diabetic mouse model. <i>Cell Cycle</i> , 2020, 19, 3329-3347.	2.6	18
41	Glipizide suppresses embryonic vasculogenesis and angiogenesis through targeting natriuretic peptide receptor A. <i>Experimental Cell Research</i> , 2015, 333, 261-272.	2.6	17
42	Engraftable neural crest stem cells derived from cynomolgus monkey embryonic stem cells. <i>Biomaterials</i> , 2015, 39, 75-84.	11.4	17
43	Histology and Embryology Education in China: The Current Situation and Changes Over the Past 20 Years. <i>Anatomical Sciences Education</i> , 2020, 13, 759-768.	3.7	17
44	Role of Slit2/Robo1 in trophoblast invasion and vascular remodeling during ectopic tubal pregnancy. <i>Placenta</i> , 2015, 36, 1087-1094.	1.5	16
45	Altered SLIT2/ROBO1 signalling is linked to impaired placentation of missed and threatened miscarriage in early pregnancy. <i>Histopathology</i> , 2017, 71, 543-552.	2.9	16
46	Zika virus induces abnormal cranial osteogenesis by negatively affecting cranial neural crest development. <i>Infection, Genetics and Evolution</i> , 2019, 69, 176-189.	2.3	16
47	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
48	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
49	Slit/Robo1 signaling regulates neural tube development by balancing neuroepithelial cell proliferation and differentiation. <i>Experimental Cell Research</i> , 2013, 319, 1083-1093.	2.6	14
50	Robo1/2 regulate follicle atresia through manipulating granulosa cell apoptosis in mice. <i>Scientific Reports</i> , 2015, 5, 9720.	3.3	14
51	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
52	Effects of oxidative stress on hyperglycaemia-induced brain malformations in a diabetes mouse model. <i>Experimental Cell Research</i> , 2016, 347, 201-211.	2.6	14
53	A New Gestational Diabetes Mellitus Model, Hyperglycemia-Induced Eye Malformation via Inhibiting Pax6 in Chick Embryo. <i>DMM Disease Models and Mechanisms</i> , 2016, 9, 177-86.	2.4	14
54	Dexamethasone Exposure Accelerates Endochondral Ossification of Chick Embryos via Angiogenesis. <i>Toxicological Sciences</i> , 2016, 149, 167-177.	3.1	14

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55	The role of autophagy in morphogenesis and stem cell maintenance. <i>Histochemistry and Cell Biology</i> , 2018, 150, 721-732.	1.7	14
56	CNTF and Nrf2 Are Coordinately Involved in Regulating Self-Renewal and Differentiation of Neural Stem Cell during Embryonic Development. <i>IScience</i> , 2019, 19, 303-315.	4.1	14
57	Endoplasmic reticulum stress-related calcium imbalance plays an important role on Zinc oxide nanoparticles-induced failure of neural tube closure during embryogenesis. <i>Environment International</i> , 2021, 152, 106495.	10.0	14
58	Dexamethasone interferes with osteoblasts formation during osteogenesis through altering IGF1-mediated angiogenesis. <i>Journal of Cellular Physiology</i> , 2019, 234, 15167-15181.	4.1	13
59	Dysbacteriosis-induced LPS elevation disturbs the development of muscle progenitor cells by interfering with retinoic acid signaling. <i>FASEB Journal</i> , 2020, 34, 6837-6853.	0.5	13
60	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
61	Microbiota-derived lipopolysaccharide retards chondrocyte hypertrophy in the growth plate through elevating Sox9 expression. <i>Journal of Cellular Physiology</i> , 2019, 234, 2593-2605.	4.1	12
62	Dysbacteriosis induces abnormal neurogenesis via LPS in a pathway requiring NF- κ B/IL-6. <i>Pharmacological Research</i> , 2021, 167, 105543.	7.1	12
63	Effects of 2,5-hexanedione on angiogenesis and vasculogenesis in chick embryos. <i>Reproductive Toxicology</i> , 2015, 51, 79-89.	2.9	11
64	Robo signaling regulates the production of cranial neural crest cells. <i>Experimental Cell Research</i> , 2017, 361, 73-84.	2.6	11
65	Negative impact of hyperglycaemia on mouse alveolar development. <i>Cell Cycle</i> , 2018, 17, 80-91.	2.6	11
66	N-Acetylcysteine Suppresses LPS-Induced Pathological Angiogenesis. <i>Cellular Physiology and Biochemistry</i> , 2018, 49, 2483-2495.	1.6	11
67	Human embryonic stem cell-derived neural crest model unveils CD55 as a cancer stem cell regulator for therapeutic targeting in <i>MYCN</i> -amplified neuroblastoma. <i>Neuro-Oncology</i> , 2022, 24, 872-885.	1.2	11
68	The Negative Influence of High-Glucose Ambience on Neurogenesis in Developing Quail Embryos. <i>PLoS ONE</i> , 2013, 8, e66646.	2.5	10
69	High salt intake negatively impacts ovarian follicle development. <i>Annals of Anatomy</i> , 2015, 200, 79-87.	1.9	10
70	Abnormal O-GlcNAcylation of Pax3 Occurring from Hyperglycemia-Induced Neural Tube Defects Is Ameliorated by Carnosine But Not Folic Acid in Chicken Embryos. <i>Molecular Neurobiology</i> , 2017, 54, 281-294.	4.0	10
71	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
72	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

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73	Role of nuclear factor- κ B pathway in the transition of mouse secondary follicles to antral follicles. <i>Journal of Cellular Physiology</i> , 2019, 234, 22565-22580.	4.1	10
74	Ethanol exposure represses osteogenesis in the developing chick embryo. <i>Reproductive Toxicology</i> , 2016, 62, 53-61.	2.9	9
75	Adaptions and perceptions on histology and embryology teaching practice in China during the Covid-19 pandemic. <i>Translational Research in Anatomy</i> , 2021, 24, 100115.	0.6	9
76	The relationships between HLA class II alleles and antigens with gestational diabetes mellitus: A meta-analysis. <i>Scientific Reports</i> , 2016, 6, 35005.	3.3	8
77	Phosphoinositide 3-Kinase (PI3K) Subunit p110 β Is Essential for Trophoblast Cell Differentiation and Placental Development in Mouse. <i>Scientific Reports</i> , 2016, 6, 28201.	3.3	8
78	Exposure of okadaic acid alters the angiogenesis in developing chick embryos. <i>Toxicol</i> , 2017, 133, 74-81.	1.6	8
79	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
80	Okadaic Acid Exposure Induced Neural Tube Defects in Chicken (<i>Gallus gallus</i>) Embryos. <i>Marine Drugs</i> , 2021, 19, 322.	4.6	8
81	Examining the relationships between medical students' preferred online instructional strategies, course difficulty level, learning performance, and effectiveness. <i>American Journal of Physiology - Advances in Physiology Education</i> , 2021, 45, 661-669.	1.6	8
82	The Role of Inactivated NF- κ B in Premature Ovarian Failure. <i>American Journal of Pathology</i> , 2022, 192, 468-483.	3.8	8
83	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
84	Autophagy is involved in ethanol-induced cardia bifida during chick cardiogenesis. <i>Cell Cycle</i> , 2015, 14, 3306-3317.	2.6	7
85	Exposure to Excess Phenobarbital Negatively Influences the Osteogenesis of Chick Embryos. <i>Frontiers in Pharmacology</i> , 2016, 7, 349.	3.5	7
86	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
87	Function study of vasoactive intestinal peptide on chick embryonic bone development. <i>Neuropeptides</i> , 2020, 83, 102077.	2.2	7
88	Virtual reality approach for orthodontic education at School of Stomatology, Jinan University. <i>Journal of Dental Education</i> , 2022, 86, 1025-1035.	1.2	7
89	Developing a diagnostic checklist of traditional Chinese medicine symptoms and signs for psoriasis: a Delphi study. <i>Chinese Medicine</i> , 2013, 8, 10.	4.0	6
90	Retention of Stem Cell Plasticity in Avian Primitive Streak Cells and the Effects of Local Microenvironment. <i>Anatomical Record</i> , 2013, 296, 533-543.	1.4	6

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91	The Effect of Team-Based Learning on Conventional Pathology Education to Improve Students'™ Mastery of Pathology. <i>International Journal of Higher Education</i> , 2017, 6, 12.	0.5	6
92	Nano-sulforaphane attenuates Phip-induced early abnormal embryonic neuro-development. <i>Annals of Anatomy</i> , 2021, 233, 151617.	1.9	6
93	Binding of human recombinant mutant soluble ectodomain of FGFR2IIIc to c subtype of FGFRs: implications for anticancer activity. <i>Oncotarget</i> , 2016, 7, 68473-68488.	1.8	5
94	Inhibitory effects of msFGFR2c on the epithelial-to-mesenchymal transition of AE2 cells in pulmonary fibrosis. <i>Biotechnology Letters</i> , 2020, 42, 1061-1070.	2.2	5
95	Screening of differentially expressed proteins in placentas from patients with late-onset preeclampsia. <i>Proteomics - Clinical Applications</i> , 2022, 16, e2100053.	1.6	5
96	Ethanol exposure leads to disorder of blood island formation in early chick embryo. <i>Reproductive Toxicology</i> , 2017, 73, 96-104.	2.9	4
97	Role of FGF signalling in neural crest cell migration during early chick embryo development. <i>Zygote</i> , 2018, 26, 457-464.	1.1	4
98	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
99	Zika Virus Induced More Severe Inflammatory Response Than Dengue Virus in Chicken Embryonic Livers. <i>Frontiers in Microbiology</i> , 2019, 10, 1127.	3.5	4
100	Folic acid rescues corticosteroid-induced vertebral malformations in chick embryos through targeting TGF β ² signaling. <i>Journal of Cellular Physiology</i> , 2020, 235, 8626-8639.	4.1	4
101	Dysbacteriosis-Derived Lipopolysaccharide Causes Embryonic Osteopenia through Retinoic-Acid-Regulated DLX5 Expression. <i>International Journal of Molecular Sciences</i> , 2020, 21, 2518.	4.1	4
102	Reversine suppresses osteosarcoma cell growth through targeting BMP-Smad1/5/8-mediated angiogenesis. <i>Microvascular Research</i> , 2021, 135, 104136.	2.5	3
103	Maternal and infant outcomes during the COVID-19 pandemic: a retrospective study in Guangzhou, China. <i>Reproductive Biology and Endocrinology</i> , 2021, 19, 126.	3.3	3
104	The double-edged sword role of TGF β ² signaling pathway between intrauterine inflammation and cranial neural crest development. <i>FASEB Journal</i> , 2022, 36, e22113.	0.5	3
105	Endoderm contributes to endocardial composition during cardiogenesis. <i>Science Bulletin</i> , 2014, 59, 2749-2755.	1.7	2
106	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
107	Seeking the Optimal Time for Integrated Curriculum in Jinan University School of Medicine. <i>International Journal of Higher Education</i> , 2016, 6, 25.	0.5	2
108	EMT is the major target for okadaic acid-suppressed the development of neural crest cells in chick embryo. <i>Ecotoxicology and Environmental Safety</i> , 2019, 180, 192-201.	6.0	2

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109	Cell survival controlled by lensâ€derived Sema3Aâ€Nrp1 is vital on caffeineâ€suppressed corneal innervation during chick organogenesis. <i>Journal of Cellular Physiology</i> , 2019, 234, 9826-9838.	4.1	2
110	Interaction between retinoic acid and FGF/ERK signals are involved in Dexamethasone-induced abnormal myogenesis during embryonic development. <i>Toxicology</i> , 2021, 461, 152917.	4.2	2
111	Exploring the situational motivation of medical students through clinical medicine level test: a cross-sectional study. <i>American Journal of Physiology - Advances in Physiology Education</i> , 2022, 46, 416-425.	1.6	2
112	Retinoic Acid Signaling Plays a Crucial Role in Excessive Caffeine Intake-Disturbed Apoptosis and Differentiation of Myogenic Progenitors. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 586767.	3.7	1
113	The effects of longâ€term extracurricular scientific research on the medical students: Insight from Jinan University Medical School. <i>Biochemistry and Molecular Biology Education</i> , 2021, 49, 535-545.	1.2	1
114	NF-ÎB activation impedes the transdifferentiation of hypertrophic chondrocytes at the growth plate of mouse embryos in diabetic pregnancy. <i>Journal of Orthopaedic Translation</i> , 2021, 31, 52-61.	3.9	1
115	Revealing histological and morphological features of female reproductive system in tree shrew (<i>Tupaia belangeri</i>). <i>Zoomorphology</i> , 2018, 137, 191-199.	0.8	0
116	Baicalin rescues hyperglycemia-induced neural tube defects via targeting on retinoic acid signaling. <i>American Journal of Translational Research (discontinued)</i> , 2020, 12, 3311-3328.	0.0	0