

Wan-Xi Yang

List of Publications by Year in descending order

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112
papers

3,427
citations

117625

34
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182427

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g-index

114
all docs

114
docs citations

114
times ranked

4465
citing authors

#	ARTICLE	IF	CITATIONS
1	How vitamin E and its derivatives regulate tumour cells via the MAPK signalling pathway?. <i>Gene</i> , 2022, 808, 145998.	2.2	8
2	What Does Androgen Receptor Signaling Pathway in Sertoli Cells During Normal Spermatogenesis Tell Us?. <i>Frontiers in Endocrinology</i> , 2022, 13, 838858.	3.5	14
3	The PI3K/AKT signaling pathway: How does it regulate development of Sertoli cells and spermatogenic cells?. <i>Histology and Histopathology</i> , 2022, , 18457.	0.7	3
4	Regulation of spermatogonial stem cell self-renewal and proliferation in mammals.. <i>Histology and Histopathology</i> , 2022, , 18461.	0.7	2
5	Follicle-stimulating hormone signaling in Sertoli cells: a licence to the early stages of spermatogenesis. <i>Reproductive Biology and Endocrinology</i> , 2022, 20, .	3.3	12
6	Conversion from spermatogonia to spermatocytes: Extracellular cues and downstream transcription network. <i>Gene</i> , 2021, 764, 145080.	2.2	3
7	PIWIs maintain testis apoptosis to remove abnormal germ cells in <i>Eriocheir sinensis</i> . <i>Reproduction</i> , 2021, 162, 193-207.	2.6	2
8	Kinesin 12 (KIF15) contributes to the development and tumorigenicity of prostate cancer. <i>Biochemical and Biophysical Research Communications</i> , 2021, 576, 7-14.	2.1	6
9	Extracellular and Intracellular Skeletons: How Do They Involve in Apoptosis. <i>DNA and Cell Biology</i> , 2021, , .	1.9	1
10	Engineered nanomaterials induce alterations in biological barriers: focus on paracellular permeability. <i>Nanomedicine</i> , 2021, 16, 2725-2741.	3.3	7
11	Titanium dioxide nanoparticles perturb the blood-testis barrier via disruption of actin-based cell adhesive function. <i>Aging</i> , 2021, 13, 25440-25452.	3.1	12
12	Inhibition of kinesin motor protein KIFC1 by AZ82 induces multipolar mitosis and apoptosis in prostate cancer cell. <i>Gene</i> , 2020, 760, 144989.	2.2	13
13	Molecular insights into hormone regulation via signaling pathways in Sertoli cells: With discussion on infertility and testicular tumor. <i>Gene</i> , 2020, 753, 144812.	2.2	22
14	KIF3A regulates the Wnt/ β -catenin pathway via transporting β -catenin during spermatogenesis in <i>Eriocheir sinensis</i> . <i>Cell and Tissue Research</i> , 2020, 381, 527-541.	2.9	9
15	Nanoparticles induce autophagy via mTOR pathway inhibition and reactive oxygen species generation. <i>Nanomedicine</i> , 2020, 15, 1419-1435.	3.3	20
16	Bone morphogenetic protein 2 (BMP2) mediates spermatogenesis in Chinese mitten crab <i>Eriocheir sinensis</i> by regulating kinesin motor KIFC1 expression. <i>Gene</i> , 2020, 754, 144848.	2.2	5
17	The dynamics and regulation of microfilament during spermatogenesis. <i>Gene</i> , 2020, 744, 144635.	2.2	20
18	Multiple signaling pathways in Sertoli cells: recent findings in spermatogenesis. <i>Cell Death and Disease</i> , 2019, 10, 541.	6.3	139

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19	C-terminal kinesin motor es-KIFC1 regulates nuclear formation during spermiogenesis in Chinese mitten crab <i>Eriocheir sinensis</i> . <i>Gene</i> , 2019, 719, 144074.	2.2	16
20	Kinesin-14 motor protein KIFC1 participates in DNA synthesis and chromatin maintenance. <i>Cell Death and Disease</i> , 2019, 10, 402.	6.3	19
21	The dynamics and regulation of chromatin remodeling during spermiogenesis. <i>Gene</i> , 2019, 706, 201-210.	2.2	61
22	Kinesins in MAPK cascade: How kinesin motors are involved in the MAPK pathway?. <i>Gene</i> , 2019, 684, 1-9.	2.2	69
23	KIFC1 is essential for normal spermatogenesis and its depletion results in early germ cell apoptosis in the Kuruma shrimp, <i>Penaeus (Marsupenaeus) japonicus</i> . <i>Aging</i> , 2019, 11, 12773-12792.	3.1	9
24	The acroframosome-acroplaxome-manchette axis may function in sperm head shaping and male fertility. <i>Gene</i> , 2018, 660, 28-40.	2.2	36
25	The role of FSH and TGF- β ² superfamily in follicle atresia. <i>Aging</i> , 2018, 10, 305-321.	3.1	60
26	Nanoparticles induce apoptosis via mediating diverse cellular pathways. <i>Nanomedicine</i> , 2018, 13, 2939-2955.	3.3	22
27	The multiple functions of kinesin-4 family motor protein KIF4 and its clinical potential. <i>Gene</i> , 2018, 678, 90-99.	2.2	33
28	Roles of three Es-Caspases during spermatogenesis and Cadmium-induced apoptosis in <i>Eriocheir sinensis</i> . <i>Aging</i> , 2018, 10, 1146-1165.	3.1	23
29	The characterization and potential roles of bone morphogenetic protein 7 during spermatogenesis in Chinese mitten crab <i>Eriocheir sinensis</i> . <i>Gene</i> , 2018, 673, 119-129.	2.2	13
30	Environmental factors contributed to circannual rhythm of semen quality. <i>Chronobiology International</i> , 2017, 34, 411-425.	2.0	19
31	A novel role of KIF3b in the seminoma cell cycle. <i>Experimental Cell Research</i> , 2017, 352, 95-103.	2.6	13
32	Mitochondrial prohibitin and its ubiquitination during spermatogenesis of the swimming crab <i>Charybdis japonica</i> . <i>Gene</i> , 2017, 627, 137-148.	2.2	18
33	Kinesins in spermatogenesis. <i>Biology of Reproduction</i> , 2017, 96, 267-276.	2.7	42
34	Regulation of development by SOX proteins. <i>Seminars in Cell and Developmental Biology</i> , 2017, 63, 1.	5.0	3
35	KIFC1 and myosin Va: two motors for acrosomal biogenesis and nuclear shaping during spermiogenesis of <i>Portunus trituberculatus</i> . <i>Cell and Tissue Research</i> , 2017, 369, 625-640.	2.9	18
36	Molecular mechanisms of kinesin-14 motors in spindle assembly and chromosome segregation. <i>Journal of Cell Science</i> , 2017, 130, 2097-2110.	2.0	88

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37	Sry and SoxE genes: How they participate in mammalian sex determination and gonadal development?. <i>Seminars in Cell and Developmental Biology</i> , 2017, 63, 13-22.	5.0	77
38	SOX-mediated molecular crosstalk during the progression of tumorigenesis. <i>Seminars in Cell and Developmental Biology</i> , 2017, 63, 23-34.	5.0	37
39	Factors and pathways involved in capacitation: how are they regulated?. <i>Oncotarget</i> , 2017, 8, 3600-3627.	1.8	81
40	Calcium influx and sperm-evoked calcium responses during oocyte maturation and egg activation. <i>Oncotarget</i> , 2017, 8, 89375-89390.	1.8	13
41	Nucleocytoplasmic shuttling of SOX14A and SOX14B transcription factors. <i>Oncotarget</i> , 2017, 8, 46955-46968.	1.8	4
42	KIFC1 is essential for acrosome formation and nuclear shaping during spermiogenesis in the lobster <i>Procambarus clarkii</i> . <i>Oncotarget</i> , 2017, 8, 36082-36098.	1.8	11
43	Epithelial-to-mesenchymal transition in the development of endometriosis. <i>Oncotarget</i> , 2017, 8, 41679-41689.	1.8	113
44	Minus end-directed kinesin-14 KIFC1 regulates the positioning and architecture of the Golgi apparatus. <i>Oncotarget</i> , 2017, 8, 36469-36483.	1.8	22
45	Myosin Va plays essential roles in maintaining normal mitosis, enhancing tumor cell motility and viability. <i>Oncotarget</i> , 2017, 8, 54654-54671.	1.8	4
46	C-terminal kinesin motor KIFC1 participates in facilitating proper cell division of human seminoma. <i>Oncotarget</i> , 2017, 8, 61373-61384.	1.8	19
47	Prohibitin-mediated mitochondrial ubiquitination during spermiogenesis in Chinese mitten crab <i>Eriocheir sinensis</i> . <i>Oncotarget</i> , 2017, 8, 98782-98797.	1.8	11
48	Engineered nanoparticles induce cell apoptosis: potential for cancer therapy. <i>Oncotarget</i> , 2016, 7, 40882-40903.	1.8	75
49	Tight junction between endothelial cells: the interaction between nanoparticles and blood vessels. <i>Beilstein Journal of Nanotechnology</i> , 2016, 7, 675-684.	2.8	33
50	Chromokinesin: Kinesin superfamily regulating cell division through chromosome and spindle. <i>Gene</i> , 2016, 589, 43-48.	2.2	16
51	A histological study of testis development and ultrastructural features of spermatogenesis in cultured <i>Acrossocheilus fasciatus</i> . <i>Tissue and Cell</i> , 2016, 48, 49-62.	2.2	14
52	Small non-coding RNAs and their associated proteins in spermatogenesis. <i>Gene</i> , 2016, 578, 141-157.	2.2	49
53	Regulators in the apoptotic pathway during spermatogenesis: Killers or guards?. <i>Gene</i> , 2016, 582, 97-111.	2.2	49
54	Molecular cloning, expression pattern, and chemical analysis of heat shock protein 70 (HSP70) in the mudskipper <i>Boleophthalmus pectinirostris</i> : Evidence for its role in regulating spermatogenesis. <i>Gene</i> , 2016, 575, 331-338.	2.2	14

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55	Myosin superfamily: The multi-functional and irreplaceable factors in spermatogenesis and testicular tumors. <i>Gene</i> , 2016, 576, 195-207.	2.2	28
56	The potential function of prohibitin during spermatogenesis in Chinese fire-bellied newt <i>Cynops orientalis</i> . <i>Cell and Tissue Research</i> , 2016, 363, 805-822.	2.9	12
57	KIFC1: a promising chemotherapy target for cancer treatment?. <i>Oncotarget</i> , 2016, 7, 48656-48670.	1.8	46
58	Myosins as fundamental components during tumorigenesis: diverse and indispensable. <i>Oncotarget</i> , 2016, 7, 46785-46812.	1.8	58
59	Tracking extraction of blastomere for embryo biopsy. , 2015, , .		9
60	Cloning, characterization and cadmium inducibility of metallothionein in the testes of the mudskipper <i>Boleophthalmus pectinirostris</i> . <i>Ecotoxicology and Environmental Safety</i> , 2015, 119, 1-8.	6.0	24
61	SOX family transcription factors involved in diverse cellular events during development. <i>European Journal of Cell Biology</i> , 2015, 94, 547-563.	3.6	135
62	Gene expression pattern of KIFC3 during spermatogenesis of the skink <i>Eumeces chinensis</i> . <i>Gene</i> , 2015, 556, 206-212.	2.2	5
63	Control of hair cell development by molecular pathways involving <i>Atoh1</i> , <i>Hes1</i> and <i>Hes5</i> . <i>Gene</i> , 2015, 558, 6-24.	2.2	24
64	Mitochondrial prohibitin and its ubiquitination during crayfish <i>Procambarus clarkii</i> spermiogenesis. <i>Cell and Tissue Research</i> , 2015, 359, 679-692.	2.9	16
65	Wnt signaling in testis development: Unnecessary or essential?. <i>Gene</i> , 2015, 565, 155-165.	2.2	31
66	Metallothionein from <i>Pseudosquilla crocea</i> : expression and response to cadmium-induced injury in the testes. <i>Ecotoxicology</i> , 2015, 24, 779-794.	2.4	10
67	The role of epithelial tight junctions involved in pathogen infections. <i>Molecular Biology Reports</i> , 2014, 41, 6591-6610.	2.3	54
68	Identification and expression pattern analysis of Piwi genes during the spermiogenesis of <i>Portunus trituberculatus</i> . <i>Gene</i> , 2014, 534, 240-248.	2.2	14
69	Seasonal changes of the fatty acid composition in the hepatopancreas and vitelline gland of the gastropod <i>Onchidium struma</i> . <i>Marine Biology Research</i> , 2014, 10, 781-790.	0.7	1
70	Molecular mechanisms involved in mammalian primary sex determination. <i>Journal of Molecular Endocrinology</i> , 2014, 53, R21-R37.	2.5	37
71	Primary cilium: an elaborate structure that blocks cell division?. <i>Gene</i> , 2014, 547, 175-185.	2.2	56
72	Endometrial stromal cells and decidualized stromal cells: Origins, transformation and functions. <i>Gene</i> , 2014, 551, 1-14.	2.2	52

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73	Molecular regulation of hypothalamus-pituitary-gonads axis in males. <i>Gene</i> , 2014, 551, 15-25.	2.2	90
74	Functional Analysis of KIF3A and KIF3B during Spermiogenesis of Chinese Mitten Crab <i>Eriocheir sinensis</i> . <i>PLoS ONE</i> , 2014, 9, e97645.	2.5	12
75	Characterization and expression pattern of p53 during spermatogenesis in the Chinese mitten crab <i>Eriocheir sinensis</i> . <i>Molecular Biology Reports</i> , 2013, 40, 1043-1051.	2.3	14
76	Regulation of paracellular permeability: factors and mechanisms. <i>Molecular Biology Reports</i> , 2013, 40, 6123-6142.	2.3	68
77	Molecular characterization and expression analysis of a KIFC1-like kinesin gene in the testis of <i>Eumeces chinensis</i> . <i>Molecular Biology Reports</i> , 2013, 40, 6645-6655.	2.3	11
78	The expression pattern of the C-terminal kinesin gene <i>kifc1</i> during the spermatogenesis of <i>Sepiella maindroni</i> . <i>Gene</i> , 2013, 532, 53-62.	2.2	11
79	The SOX gene family: function and regulation in testis determination and male fertility maintenance. <i>Molecular Biology Reports</i> , 2013, 40, 2187-2194.	2.3	86
80	New insights to the ubiquitin-proteasome pathway (UPP) mechanism during spermatogenesis. <i>Molecular Biology Reports</i> , 2013, 40, 3213-3230.	2.3	63
81	Expression and function analysis of metallothionein in the testis of <i>Portunus trituberculatus</i> exposed to cadmium. <i>Aquatic Toxicology</i> , 2013, 140-141, 1-10.	4.0	19
82	Acroframosome-Dependent KIFC1 Facilitates Acrosome Formation during Spermatogenesis in the Caridean Shrimp <i>Exopalaemon modestus</i> . <i>PLoS ONE</i> , 2013, 8, e76065.	2.5	34
83	The involvement of metallothionein in the development of aquatic invertebrate. <i>Aquatic Toxicology</i> , 2012, 110-111, 208-213.	4.0	60
84	Expression and function analysis of metallothionein in the testis of stone crab <i>Charybdis japonica</i> exposed to cadmium. <i>Aquatic Toxicology</i> , 2012, 124-125, 11-21.	4.0	24
85	Gene expression pattern of myosin Va during spermatogenesis of Chinese mitten crab, <i>Eriocheir sinensis</i> . <i>Gene</i> , 2012, 508, 78-84.	2.2	12
86	Gene expression profiles of prohibitin in testes of <i>Octopus tankahkeei</i> (ot-phb) revealing its possible role during spermiogenesis. <i>Molecular Biology Reports</i> , 2012, 39, 5519-5528.	2.3	14
87	Molecular characterization of a KIF3B-like kinesin gene in the testis of <i>Octopus tankahkeei</i> (Cephalopoda, Octopus). <i>Molecular Biology Reports</i> , 2012, 39, 5589-5598.	2.3	24
88	Characterization and expression analysis of prohibitin in the testis of Chinese mitten crab <i>Eriocheir sinensis</i> . <i>Molecular Biology Reports</i> , 2012, 39, 7031-7039.	2.3	28
89	Characterization and expression pattern of KIFC1-like kinesin gene in the testis of the <i>Macrobrachium nipponense</i> with discussion of its relationship with structure lamellar complex (LCx) and acroframosome (AFS). <i>Molecular Biology Reports</i> , 2012, 39, 7591-7598.	2.3	29
90	The formation of zona radiata in <i>Pseudosciaena crocea</i> revealed by light and transmission electron microscopy. <i>Micron</i> , 2012, 43, 435-444.	2.2	8

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91	Molecular characterization of a KIF3A-like kinesin gene in the testis of the Chinese fire-bellied newt <i>Cynops orientalis</i> . <i>Molecular Biology Reports</i> , 2012, 39, 4207-4214.	2.3	13
92	TGF- β 2 superfamily: how does it regulate testis development. <i>Molecular Biology Reports</i> , 2012, 39, 4727-4741.	2.3	35
93	The Apoptotic Function Analysis of p53, Apaf1, Caspase3 and Caspase7 during the Spermatogenesis of the Chinese Fire-Bellied Newt <i>Cynops orientalis</i> . <i>PLoS ONE</i> , 2012, 7, e39920.	2.5	36
94	The role of actin and myosin during spermatogenesis. <i>Molecular Biology Reports</i> , 2011, 38, 3993-4001.	2.3	54
95	Formation of zona radiata and ultrastructural analysis of egg envelope during oogenesis of Chinese perch <i>Siniperca chuatsi</i> . <i>Micron</i> , 2010, 41, 7-14.	2.2	11
96	Ultrastructural observation on genesis and morphology of cortical granules in <i>Macrobrachium nipponense</i> (Crustacea, Caridea). <i>Micron</i> , 2010, 41, 59-64.	2.2	5
97	Molecular cloning and characterization of KIFC1-like kinesin gene (<i>es-KIFC1</i>) in the testis of the Chinese mitten crab <i>Eriocheir sinensis</i> . <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2010, 157, 123-131.	1.8	33
98	Identification and dynamic transcription of KIF3A homologue gene in spermiogenesis of <i>Octopus tankahkeei</i> . <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2010, 157, 237-245.	1.8	17
99	Acrosome reaction in <i>Octopus tankahkeei</i> induced by calcium ionophore A23187 and a possible role of the acrosomal screw. <i>Micron</i> , 2010, 41, 39-46.	2.2	13
100	Myosin Va Participates in Acrosomal Formation and Nuclear Morphogenesis during Spermatogenesis of Chinese Mitten Crab <i>Eriocheir sinensis</i> . <i>PLoS ONE</i> , 2010, 5, e12738.	2.5	35
101	KIFC1-Like Motor Protein Associates with the Cephalopod Manchette and Participates in Sperm Nuclear Morphogenesis in <i>Octopus tankahkeei</i> . <i>PLoS ONE</i> , 2010, 5, e15616.	2.5	23
102	Immunocytochemical studies on the acroframosome during spermiogenesis of the caridean shrimp <i>Macrobrachium nipponense</i> (Crustacea, Natantia). <i>Invertebrate Reproduction and Development</i> , 2010, 54, 121-131.	0.8	19
103	Molecular cloning and characterization of KIFC1-like kinesin gene (<i>ot-kifc1</i>) from <i>Octopus tankahkeei</i> . <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2010, 156, 174-182.	1.6	16
104	Mitochondria: transportation, distribution and function during spermiogenesis. <i>Advances in Bioscience and Biotechnology (Print)</i> , 2010, 01, 97-109.	0.7	13
105	KIFC1 participates in acrosomal biogenesis, with discussion of its importance for the perforatorium in the Chinese mitten crab <i>Eriocheir sinensis</i> . <i>Cell and Tissue Research</i> , 2009, 337, 113-123.	2.9	53
106	Development of germ cells and reproductive biology in the sipunculid <i>Phascolosoma esculenta</i> . <i>Aquaculture Research</i> , 2009, 40, 305-314.	1.8	12
107	Fatty acid composition and analysis of freshwater caridean shrimp <i>Macrobrachium nipponense</i> (De) Tj ETQq1 1 0.784314 rgBT /Overlaid	1.8	2
108	Actin-based dynamics during spermatogenesis and its significance. <i>Journal of Zhejiang University: Science B</i> , 2007, 8, 498-506.	2.8	43

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109	Ultrastructural Analysis of Kinesin-Related Motor Proteins During Spermatogenesis. <i>Methods in Molecular Biology</i> , 2007, 392, 133-141.	0.9	2
110	Comparative studies on fatty acid composition of the ovaries and hepatopancreas at different physiological stages of the Chinese mitten crab. <i>Aquaculture</i> , 2006, 256, 617-623.	3.5	81
111	The Molecular Motor KIFC1 Associates with a Complex Containing Nucleoporin NUP62 That Is Regulated During Development and by the Small GTPase RAN1. <i>Biology of Reproduction</i> , 2006, 74, 684-690.	2.7	64
112	C-Terminal Kinesin Motor KIFC1 Participates in Acrosome Biogenesis and Vesicle Transport1. <i>Biology of Reproduction</i> , 2003, 69, 1719-1729.	2.7	124