Wan-Xi Yang

List of Publications by Year
in descending order

112	3,427	117625	182427
papers	citations	34 h-index	51 g-index

114	114	114	4465
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Multiple signaling pathways in Sertoli cells: recent findings in spermatogenesis. Cell Death and Disease, 2019, 10, 541.	6.3	139
2	SOX family transcription factors involved in diverse cellular events during development. European Journal of Cell Biology, 2015, 94, 547-563.	3.6	135
3	C-Terminal Kinesin Motor KIFC1 Participates in Acrosome Biogenesis and Vesicle Transport1. Biology of Reproduction, 2003, 69, 1719-1729.	2.7	124
4	Epithelial-to-mesenchymal transition in the development of endometriosis. Oncotarget, 2017, 8, 41679-41689.	1.8	113
5	Molecular regulation of hypothalamusâ€“pituitaryâ€“gonads axis in males. Gene, 2014, 551, 15-25.	2.2	90
6	Molecular mechanisms of kinesin-14 motors in spindle assembly and chromosome segregation. Journal of Cell Science, 2017, 130, 2097-2110.	2.0	88
7	The SOX gene family: function and regulation in testis determination and male fertility maintenance. Molecular Biology Reports, 2013, 40, 2187-2194.	2.3	86
8	Comparative studies on fatty acid composition of the ovaries and hepatopancreas at different physiological stages of the Chinese mitten crab. Aquaculture, 2006, 256, 617-623.	3.5	81
9	Factors and pathways involved in capacitation: how are they regulated?. Oncotarget, 2017, 8, 3600-3627.	1.8	81
10	Sry and SoxE genes: How they participate in mammalian sex determination and gonadal development?. Seminars in Cell and Developmental Biology, 2017, 63, 13-22.	5.0	77
11	Engineered nanoparticles induce cell apoptosis: potential for cancer therapy. Oncotarget, 2016, 7, 40882-40903.	1.8	75
12	Kinesins in MAPK cascade: How kinesin motors are involved in the MAPK pathway?. Gene, 2019, 684, 1-9.	2.2	69
13	Regulation of paracellular permeability: factors and mechanisms. Molecular Biology Reports, 2013, 40, 6123-6142.	2.3	68
14	The Molecular Motor KIFC1 Associates with a Complex Containing Nucleoporin NUP62 That Is Regulated During Development and by the Small GTPase RAN1. Biology of Reproduction, 2006, 74, 684-690.	2.7	64
15	New insights to the ubiquitinâ€“proteasome pathway (UPP) mechanism during spermatogenesis. Molecular Biology Reports, 2013, 40, 3213-3230.	2.3	63
16	The dynamics and regulation of chromatin remodeling during spermiogenesis. Gene, 2019, 706, 201-210.	2.2	61
17	The involvement of metallothionein in the development of aquatic invertebrate. Aquatic Toxicology, 2012, 110-111, 208-213.	4.0	60
18	The role of FSH and TGF-Î² superfamily in follicle atresia. Aging, 2018, 10, 305-321.	3.1	60

#	Article	IF	Citations
19	Myosins as fundamental components during tumorigenesis: diverse and indispensable. Oncotarget, 2016, 7, 46785-46812.	1.8	58
20	Primary cilium: an elaborate structure that blocks cell division?. Gene, 2014, 547, 175-185.	2.2	56
21	The role of actin and myosin during spermatogenesis. Molecular Biology Reports, 2011, 38, 3993-4001.	2.3	54
22	The role of epithelial tight junctions involved in pathogen infections. Molecular Biology Reports, 2014, 41, 6591-6610.	2.3	54
23	KIFC1 participates in acrosomal biogenesis, with discussion of its importance for the perforatorium in the Chinese mitten crab Eriocheir sinensis. Cell and Tissue Research, 2009, 337, 113-123.	2.9	53
24	Endometrial stromal cells and decidualized stromal cells: Origins, transformation and functions. Gene, 2014, 551, 1-14.	2.2	52
25	Small non-coding RNAs and their associated proteins in spermatogenesis. Gene, 2016, 578, 141-157.	2.2	49
26	Regulators in the apoptotic pathway during spermatogenesis: Killers or guards?. Gene, 2016, 582, 97-111.	2.2	49
27	KIFC1: a promising chemotherapy target for cancer treatment?. Oncotarget, 2016, 7, 48656-48670.	1.8	46
28	Actin-based dynamics during spermatogenesis and its significance. Journal of Zhejiang University: Science B, 2007, 8, 498-506.	2.8	43
29	Kinesins in spermatogenesisâ€. Biology of Reproduction, 2017, 96, 267-276.	2.7	42
30	Molecular mechanisms involved in mammalian primary sex determination. Journal of Molecular Endocrinology, 2014, 53, R21-R37.	2.5	37
31	SOX-mediated molecular crosstalk during the progression of tumorigenesis. Seminars in Cell and Developmental Biology, 2017, 63, 23-34.	5.0	37
32	The acroframosome-acroplaxome-manchette axis may function in sperm head shaping and male fertility. Gene, 2018, 660, 28-40.	2.2	36
33	The Apoptotic Function Analysis of p53, Apaf1, Caspase3 and Caspase7 during the Spermatogenesis of the Chinese Fire-Bellied Newt Cynops orientalis. PLoS ONE, 2012, 7, e39920.	2.5	36
34	Myosin Va Participates in Acrosomal Formation and Nuclear Morphogenesis during Spermatogenesis of Chinese Mitten Crab Eriocheir sinensis. PLoS ONE, 2010, 5, e12738.	2.5	35
35	TGF-Î² superfamily: how does it regulate testis development. Molecular Biology Reports, 2012, 39, 4727-4741.	2.3	35
36	Acroframosome-Dependent KIFC1 Facilitates Acrosome Formation during Spermatogenesis in the Caridean Shrimp Exopalaemon modestus. PLoS ONE, 2013, 8, e76065.	2.5	34

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37	Molecular cloning and characterization of KIFC1-like kinesin gene (es-KIFC1) in the testis of the Chinese mitten crab Eriocheir sinensis. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2010, 157, 123-131.	1.8	33
38	Tight junction between endothelial cells: the interaction between nanoparticles and blood vessels. Beilstein Journal of Nanotechnology, 2016, 7, 675-684.	2.8	33
39	The multiple functions of kinesin-4 family motor protein KIF4 and its clinical potential. Gene, 2018, 678, 90-99.	2.2	33
40	Wnt signaling in testis development: Unnecessary or essential?. Gene, 2015, 565, 155-165.	2.2	31
41	Characterization and expression pattern of KIFC1-like kinesin gene in the testis of the Macrobrachium nipponense with discussion of its relationship with structure lamellar complex (LCx) and acroframosome (AFS). Molecular Biology Reports, 2012, 39, 7591-7598.	2.3	29
42	Characterization and expression analysis of prohibitin in the testis of Chinese mitten crab Eriocheir sinensis. Molecular Biology Reports, 2012, 39, 7031-7039.	2.3	28
43	Myosin superfamily: The multi-functional and irreplaceable factors in spermatogenesis and testicular tumors. Gene, 2016, 576, 195-207.	2.2	28
44	Expression and function analysis of metallothionein in the testis of stone crab Charybdis japonica exposed to cadmium. Aquatic Toxicology, 2012, 124-125, 11-21.	4.0	24
45	Molecular characterization of a KIF3B-like kinesin gene in the testis of Octopus tankahkeei (Cephalopoda, Octopus). Molecular Biology Reports, 2012, 39, 5589-5598.	2.3	24
46	Cloning, characterization and cadmium inducibility of metallothionein in the testes of the mudskipper Boleophthalmus pectinirostris. Ecotoxicology and Environmental Safety, 2015, 119, 1-8.	6.0	24
47	Control of hair cell development by molecular pathways involving Atoh1, Hes1 and Hes5. Gene, 2015, 558, 6-24.	2.2	24
48	KIFC1-Like Motor Protein Associates with the Cephalopod Manchette and Participates in Sperm Nuclear Morphogenesis in Octopus tankahkeei. PLoS ONE, 2010, 5, e15616.	2.5	23
49	Roles of three Es-Caspases during spermatogenesis and Cadmium-induced apoptosis in Eriocheir sinensis. Aging, 2018, 10, 1146-1165.	3.1	23
50	Nanoparticles induce apoptosis via mediating diverse cellular pathways. Nanomedicine, 2018, 13, 2939-2955.	3.3	22
51	Molecular insights into hormone regulation via signaling pathways in Sertoli cells: With discussion on infertility and testicular tumor. Gene, 2020, 753, 144812.	2.2	22
52	Minus end-directed kinesin-14 KIFC1 regulates the positioning and architecture of the Golgi apparatus. Oncotarget, 2017, 8, 36469-36483.	1.8	22
53	Nanoparticles induce autophagy via mTOR pathway inhibition and reactive oxygen species generation. Nanomedicine, 2020, 15, 1419-1435.	3.3	20
54	The dynamics and regulation of microfilament during spermatogenesis. Gene, 2020, 744, 144635.	2.2	20

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55	Immunocytochemical studies on the acroframosome during spermiogenesis of the caridean shrimpMacrobrachium nipponense(Crustacea, Natantia). Invertebrate Reproduction and Development, 2010, 54, 121-131.	0.8	19
56	Expression and function analysis of metallothionein in the testis of Portunus trituberculatus exposed to cadmium. Aquatic Toxicology, 2013, 140-141, 1-10.	4.0	19
57	Environmental factors contributed to circannual rhythm of semen quality. Chronobiology International, 2017, 34, 411-425.	2.0	19
58	Kinesin-14 motor protein KIFC1 participates in DNA synthesis and chromatin maintenance. Cell Death and Disease, 2019, 10, 402.	6.3	19
59	C-terminal kinesin motor KIFC1 participates in facilitating proper cell division of human seminoma. Oncotarget, 2017, 8, 61373-61384.	1.8	19
60	Mitochondrial prohibitin and its ubiquitination during spermatogenesis of the swimming crab Charybdis japonica. Gene, 2017, 627, 137-148.	2.2	18
61	KIFC1 and myosin Va: two motors for acrosomal biogenesis and nuclear shaping during spermiogenesis of Portunus trituberculatus. Cell and Tissue Research, 2017, 369, 625-640.	2.9	18
62	Identification and dynamic transcription of KIF3A homologue gene in spermiogenesis of Octopus tankahkeei. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2010, 157, 237-245.	1.8	17
63	Molecular cloning and characterization of KIFC1-like kinesin gene (ot-kifc1) from Octopus tankahkeei. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2010, 156, 174-182.	1.6	16
64	Mitochondrial prohibitin and its ubiquitination during crayfish Procambarus clarkii spermiogenesis. Cell and Tissue Research, 2015, 359, 679-692.	2.9	16
65	Chromokinesin: Kinesin superfamily regulating cell division through chromosome and spindle. Gene, 2016, 589, 43-48.	2.2	16
66	C-terminal kinesin motor es-KIFC1 regulates nuclear formation during spermiogenesis in Chinese mitten crab Eriocheir sinensis. Gene, 2019, 719, 144074.	2.2	16
67	Gene expression profiles of prohibitin in testes of Octopus tankahkeei (ot-phb) revealing its possible role during spermiogenesis. Molecular Biology Reports, 2012, 39, 5519-5528.	2.3	14
68	Characterization and expression pattern of p53 during spermatogenesis in the Chinese mitten crab Eriocheir sinensis. Molecular Biology Reports, 2013, 40, 1043-1051.	2.3	14
69	Identification and expression pattern analysis of Piwi genes during the spermiogenesis of Portunus trituberculatus. Gene, 2014, 534, 240-248.	2.2	14
70	A histological study of testis development and ultrastructural features of spermatogenesis in cultured Acrossocheilus fasciatus. Tissue and Cell, 2016, 48, 49-62.	2.2	14
71	Molecular cloning, expression pattern, and chemical analysis of heat shock protein 70 (HSP70) in the mudskipper Boleophthalmus pectinirostris: Evidence for its role in regulating spermatogenesis. Gene, 2016, 575, 331-338.	2.2	14
72	What Does Androgen Receptor Signaling Pathway in Sertoli Cells During Normal Spermatogenesis Tell Us?. Frontiers in Endocrinology, 2022, 13, 838858.	3.5	14

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73	Acrosome reaction in Octopus tankahkeei induced by calcium ionophore A23187 and a possible role of the acrosomal screw. Micron, 2010, 41, 39-46.	2.2	13
74	Molecular characterization of a KIF3A-like kinesin gene in the testis of the Chinese fire-bellied newt Cynops orientalis. Molecular Biology Reports, 2012, 39, 4207-4214.	2.3	13
75	A novel role of KIF3b in the seminoma cell cycle. Experimental Cell Research, 2017, 352, 95-103.	2.6	13
76	Calcium influx and sperm-evoked calcium responses during oocyte maturation and egg activation. Oncotarget, 2017, 8, 89375-89390.	1.8	13
77	The characterization and potential roles of bone morphogenetic protein 7 during spermatogenesis in Chinese mitten crab Eriocheir sinensis. Gene, 2018, 673, 119-129.	2.2	13
78	Inhibition of kinesin motor protein KIFC1 by AZ82 induces multipolar mitosis and apoptosis in prostate cancer cell. Gene, 2020, 760, 144989.	2.2	13
79	Mitochondria: transportation, distribution and function during spermiogenesis. Advances in Bioscience and Biotechnology (Print), 2010, 01, 97-109.	0.7	13
80	Development of germ cells and reproductive biology in the sipunculidPhascolosoma esculenta. Aquaculture Research, 2009, 40, 305-314.	1.8	12
81	Gene expression pattern of myosin Va during spermatogenesis of Chinese mitten crab, Eriocheir sinensis. Gene, 2012, 508, 78-84.	2.2	12
82	The potential function of prohibitin during spermatogenesis in Chinese fire-bellied newt Cynops orientalis. Cell and Tissue Research, 2016, 363, 805-822.	2.9	12
83	Functional Analysis of KIF3A and KIF3B during Spermiogenesis of Chinese Mitten Crab Eriocheir sinensis. PLoS ONE, 2014, 9, e97645.	2.5	12
84	Titanium dioxide nanoparticles perturb the blood-testis barrier via disruption of actin-based cell adhesive function. Aging, 2021, 13, 25440-25452.	3.1	12
85	Follicle-stimulating hormone signaling in Sertoli cells: a licence to the early stages of spermatogenesis. Reproductive Biology and Endocrinology, 2022, 20, .	3.3	12
86	Formation of zona radiata and ultrastructural analysis of egg envelope during oogenesis of Chinese perch Siniperca chuatsi. Micron, 2010, 41, 7-14.	2.2	11
87	Molecular characterization and expression analysis of a KIFC1-like kinesin gene in the testis of Eumeces chinensis. Molecular Biology Reports, 2013, 40, 6645-6655.	2.3	11
88	The expression pattern of the C-terminal kinesin gene kifc1 during the spermatogenesis of Sepiella maindroni. Gene, 2013, 532, 53-62.	2.2	11
89	KIFC1 is essential for acrosome formation and nuclear shaping during spermiogenesis in the lobster Procambarus clarkii. Oncotarget, 2017, 8, 36082-36098.	1.8	11
90	Prohibitin-mediated mitochondrial ubiquitination during spermiogenesis in Chinese mitten crab Eriocheir sinensis. Oncotarget, 2017, 8, 98782-98797.	1.8	11

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91	Metallothionein from Pseudosciaena crocea: expression and response to cadmium-induced injury in the testes. Ecotoxicology, 2015, 24, 779-794.	2.4	10
92	Tracking extraction of blastomere for embryo biopsy. , 2015, , .		9
93	KIF3A regulates the Wnt/Î²-catenin pathway via transporting Î²-catenin during spermatogenesis in Eriocheir sinensis. Cell and Tissue Research, 2020, 381, 527-541.	2.9	9
94	KIFC1 is essential for normal spermatogenesis and its depletion results in early germ cell apoptosis in the Kuruma shrimp, Penaeus (Marsupenaeus) japonicus. Aging, 2019, 11, 12773-12792.	3.1	9
95	The formation of zona radiata in Pseudosciaena crocea revealed by light and transmission electron microscopy. Micron, 2012, 43, 435-444.	2.2	8
96	How vitamin E and its derivatives regulate tumour cells via the MAPK signalling pathway?'. Gene, 2022, 808, 145998.	2.2	8
97	Engineered nanomaterials induce alterations in biological barriers: focus on paracellular permeability. Nanomedicine, 2021, 16, 2725-2741.	3.3	7
98	Kinesin 12 (KIF15) contributes to the development and tumorigenicity of prostate cancer. Biochemical and Biophysical Research Communications, 2021, 576, 7-14.	2.1	6
99	Ultrastructural observation on genesis and morphology of cortical granules in Macrobrachium nipponense (Crustacea, Caridea). Micron, 2010, 41, 59-64.	2.2	5
100	Gene expression pattern of KIFC3 during spermatogenesis of the skink Eumeces chinensis. Gene, 2015, 556, 206-212.	2.2	5
101	Bone morphogenetic protein 2 (BMP2) mediates spermatogenesis in Chinese mitten crab Eriocheir sinensis by regulating kinesin motor KIFC1 expression. Gene, 2020, 754, 144848.	2.2	5
102	Nucleocytoplasmic shuttling of SOX14A and SOX14B transcription factors. Oncotarget, 2017, 8, 46955-46968.	1.8	4
103	Myosin Va plays essential roles in maintaining normal mitosis, enhancing tumor cell motility and viability. Oncotarget, 2017, 8, 54654-54671.	1.8	4
104	Regulation of development by SOX proteins. Seminars in Cell and Developmental Biology, 2017, 63, 1.	5.0	3
105	Conversion from spermatogonia to spermatocytes: Extracellular cues and downstream transcription network. Gene, 2021, 764, 145080.	2.2	3
106	The PI3K/AKT signaling pathway: How does it regulate development of Sertoli cells and spermatogenic cells?. Histology and Histopathology, 2022, , 18457.	0.7	3
107	Fatty acid composition and analysis of freshwater caridean shrimp Macrobrachium nipponense (De) Tj ETQq1 1 0.784314 rgBT /Overl	1.8	2
108	PIWIs maintain testis apoptosis to remove abnormal germ cells in Eriocheir sinensis. Reproduction, 2021, 162, 193-207.	2.6	2

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109	Ultrastructural Analysis of Kinesin-Related Motor Proteins During Spermatogenesis. Methods in Molecular Biology, 2007, 392, 133-141.	0.9	2
110	Regulation of spermatogonial stem cell self-renewal and proliferation in mammals.. Histology and Histopathology, 2022, , 18461.	0.7	2
111	Seasonal changes of the fatty acid composition in the hepatopancreas and vitelline gland of the gastropodOnchidium struma. Marine Biology Research, 2014, 10, 781-790.	0.7	1
112	Extracellular and Intracellular Skeletons: How Do They Involve in Apoptosis. DNA and Cell Biology, 2021, , .	1.9	1