Wood Yee Chan

List of Publications by Year
in descending order

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134 papers	4,799 citations	117625 34 h-index	106344 65 g-index
136 all docs	136 docs citations	136 times ranked	6619 citing authors

#	Article	IF	Citations
1	The origin and cell lineage of microgliaâ€"New concepts. Brain Research Reviews, 2007, 53, 344-354.	9.0	339
2	Resistance to Carbon Tetrachloride-Induced Hepatotoxicity in Mice Which Lack CYP2E1 Expression. Toxicology and Applied Pharmacology, 1998, 153, 109-118.	2.8	227
3	Bufalin induces autophagy-mediated cell death in human colon cancer cells through reactive oxygen species generation and JNK activation. Free Radical Biology and Medicine, 2011, 51, 1365-1375.	2.9	220
4	SPARC (Secreted Protein Acidic and Rich in Cysteine) Induces Apoptosis in Ovarian Cancer Cells. American Journal of Pathology, 2001, 159, 609-622.	3.8	199
5	Structure of the influenza virus A H5N1 nucleoprotein: implications for RNA binding, oligomerization, and vaccine design. FASEB Journal, 2008, 22, 3638-3647.	0.5	186
6	DOC-2, a candidate tumor suppressor gene in human epithelial ovarian cancer. Oncogene, 1998, 16, 2381-2387.	5.9	163
7	Proteins with abortifacient, ribosome inactivating, immunomodulatory, antitumor and anti-AIDS activities from Cucurbitaceae plants. General Pharmacology, 1992, 23, 575-590.	0.7	159
8	Bcl-2 and p53 Protein Expression, Apoptosis, and p53 Mutation in Human Epithelial Ovarian Cancers. American Journal of Pathology, 2000, 156, 409-417.	3.8	152
9	Bone Marrow Mesenchymal Stem Cells in a Three-Dimensional Gelatin Sponge Scaffold Attenuate Inflammation, Promote Angiogenesis, and Reduce Cavity Formation in Experimental Spinal Cord Injury. Cell Transplantation, 2011, 20, 1881-1899.	2.5	140
10	Thrombopoietin Protects Against In Vitro and In Vivo Cardiotoxicity Induced by Doxorubicin. Circulation, 2006, 113, 2211-2220.	1.6	127
11	Terminal dUTP nick end labeling (TUNEL) positive cells in the different regions of the brain in normal aging and alzheimer patients. Journal of Molecular Neuroscience, 1997, 8, 75-82.	2.3	121
12	White paper on guidelines concerning enteric nervous system stem cell therapy for enteric neuropathies. Developmental Biology, 2016, 417, 229-251.	2.0	112
13	Protective Effects of a Rhodiola Crenulata Extract and Salidroside on Hippocampal Neurogenesis against Streptozotocin-Induced Neural Injury in the Rat. PLoS ONE, 2012, 7, e29641.	2.5	111
14	Proliferation and apoptosis in the developing human neocortex. The Anatomical Record, 2002, 267, 261-276.	1.8	99
15	Gastrulation in the mouse embryo: Ultrastructural and molecular aspects of germ layer morphogenesis. Microscopy Research and Technique, 1993, 26, 301-328.	2.2	92
16	Targeting Toxic RNAs that Cause Myotonic Dystrophy Type 1 (DM1) with a Bisamidinium Inhibitor. Journal of the American Chemical Society, 2014, 136, 6355-6361.	13.7	91
17	Analysis of the Sacral Neural Crest Cell Contribution to the Hindgut Enteric Nervous System in the Mouse Embryo. Gastroenterology, 2011, 141, 992-1002.e6.	1.3	90
18	Expression of P2X purinoceptors during rat brain development and their inhibitory role on motor axon outgrowth in neural tube explant cultures. Neuroscience, 2005, 133, 937-945.	2.3	85

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19	The ion channel activity of the SARS-coronavirus 3a protein is linked to its pro-apoptotic function. International Journal of Biochemistry and Cell Biology, 2009, 41, 2232-2239.	2.8	84
20	Partial Neuroprotective Effect of Pretreatment with Tanshinone IIA on Neonatal Hypoxia-Ischemia Brain Damage. Pediatric Research, 2005, 58, 784-790.	2.3	69
21	The SARS-Coronavirus Membrane protein induces apoptosis through modulating the Akt survival pathway. Archives of Biochemistry and Biophysics, 2007, 459, 197-207.	3.0	69
22	Differential expression of S100B and S100A61 in the human fetal and aged cerebral cortex. Developmental Brain Research, 2000, 119, 159-168.	1.7	65
23	Anti-inflammatory and anti-allergic effects and underlying mechanisms of Huang-Lian-Jie-Du extract: Implication for atopic dermatitis treatment. Journal of Ethnopharmacology, 2016, 185, 41-52.	4.1	57
24	The termination of early pregnancy in the mouse by Î²-momorcharin. Contraception, 1984, 29, 91-100.	1.5	55
25	Cardiac neural crest of the mouse embryo: axial level of origin,migratory pathway and cell autonomy of thesplotch(Sp2H) mutant effect. Development (Cambridge), 2004, 131, 3367-3379.	2.5	54
26	Discovery of a Novel Prolactin in Non-Mammalian Vertebrates: Evolutionary Perspectives and Its Involvement in Teleost Retina Development. PLoS ONE, 2009, 4, e6163.	2.5	54
27	Dhrs3 Protein Attenuates Retinoic Acid Signaling and Is Required for Early Embryonic Patterning. Journal of Biological Chemistry, 2013, 288, 31477-31487.	3.4	52
28	Receptor-mediated endocytosis of trichosanthin in choriocarcinoma cells. Toxicology, 2003, 186, 191-203.	4.2	47
29	Requirement of PPARÎ± in maintaining phospholipid and triacylglycerol homeostasis during energy deprivation. Journal of Lipid Research, 2004, 45, 2025-2037.	4.2	47
30	Neurotransmitters, neuropeptides and calcium binding proteins in developing human cerebellum: a review. The Histochemical Journal, 2000, 32, 521-534.	0.6	46
31	Differential expression of calretinin, calbindin D28K and parvalbumin in the developing human cerebellum. Developmental Brain Research, 1997, 103, 37-45.	1.7	42
32	Comparison of 2 Surgical Techniques for Reconstructing Posterolateral Corner of the Knee: A Cadaveric Study Evaluated by Navigation System. Arthroscopy - Journal of Arthroscopic and Related Surgery, 2011, 27, 89-96.	2.7	41
33	Differential expression of S100 proteins in the developing human hippocampus and temporal cortex. Microscopy Research and Technique, 2003, 60, 600-613.	2.2	40
34	The Proto-oncogene Transcription Factor Ets1 Regulates Neural Crest Development through Histone Deacetylase 1 to Mediate Output of Bone Morphogenetic Protein Signaling. Journal of Biological Chemistry, 2015, 290, 21925-21938.	3.4	38
35	Knee stability assessment on anterior cruciate ligament injury: Clinical and biomechanical approaches. BMC Sports Science, Medicine and Rehabilitation, 2009, 1, 20.	1.7	36
36	Effects of momorcharins on the mouse embryo at the early organogenesis stage. Contraception, 1986, 34, 537-544.	1.5	31

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37	Analysis of gene expression following sciatic nerve crush and spinal cord hemisection in the mouse by microarray expression profiling. Cellular and Molecular Neurobiology, 2001, 21, 497-508.	3.3	31
38	Normal and Abnormal Development of the Human Cerebral Cortex. Neuroembryology, 2002, 1, 78-90.	1.1	31
39	Elfin is expressed during early heart development. Journal of Cellular Biochemistry, 2001, 83, 463-472.	2.6	29
40	Regenerative capacity of forelimb buds after amputation in mouse embryos at the early-organogenesis stage. The Journal of Experimental Zoology, 1991, 260, 74-83.	1.4	28
41	Differential expression of calcium-binding proteins in the red nucleus of the developing and adult human brain. Anatomy and Embryology, 2001, 203, 95-108.	1.5	28
42	Histogenetic potential of rat hind-limb interdigital tissues prior to and during the onset of programmed cell death. The Anatomical Record, 1993, 236, 568-572.	1.8	27
43	Development of pre-implantation, mouse embryos under the influence of pineal indoles. Journal of Neural Transmission, 1994, 96, 19-29.	2.8	27
44	Early appearance of acetylcholinergic, serotoninergic, and peptidergic neurons and fibers in the developing human central nervous system. Microscopy Research and Technique, 1999, 45, 389-400.	2.2	27
45	Mouse Preproendothelin-1 Gene. cDNA Cloning, Sequence Analysis and Determination of Sites of Expression During Embryonic Development. FEBS Journal, 1995, 234, 819-826.	0.2	26
46	Pien Tze Huang Protects the Liver against Carbon Tetrachloride-Induced Damage. Basic and Clinical Pharmacology and Toxicology, 2002, 91, 185-192.	0.0	26
47	Biochemical investigation of Tau protein phosphorylation status and its solubility properties in Drosophila. Biochemical and Biophysical Research Communications, 2006, 346, 150-159.	2.1	26
48	A temporal study on the histopathological, biochemical and molecular responses of CCl4-induced hepatotoxicity in Cyp2e1-null mice. Toxicology, 2006, 228, 310-322.	4.2	24
49	S100A1-deficient male mice exhibit increased exploratory activity and reduced anxiety-related responses. Biochimica Et Biophysica Acta - Molecular Cell Research, 2006, 1763, 1307-1319.	4.1	24
50	Thrombopoietin protects against doxorubicinâ€induced cardiomyopathy, improves cardiac function, and reversely alters specific signalling networks. European Journal of Heart Failure, 2011, 13, 366-376.	7.1	24
51	The inhibitory effects of Î²-momorcharin on endometrial cells in the mouse. Contraception, 1985, 31, 83-90.	1.5	23
52	Effect of hypothyroidism induced by propylthiouracil and thiourea on male and female reproductive systems of neonatal mice. The Journal of Experimental Zoology, 1995, 273, 160-169.	1.4	21
53	Developmental expression of Xenopus short-chain dehydrogenase/reductase 3. International Journal of Developmental Biology, 2010, 54, 1355-1360.	0.6	21
54	Baicalin ameliorates 2,4-dinitrochlorobenzene-induced atopic dermatitis-like skin lesions in mice through modulating skin barrier function, gut microbiota and JAK/STAT pathway. Bioorganic Chemistry, 2022, 119, 105538.	4.1	21

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55	Polysaccharopeptide from the mushroom Coriolus versicolor possesses analgesic activity but does not produce adverse effects on female reproductive or embryonic development in mice. General Pharmacology, 1997, 29, 269-273.	0.7	20
56	Immunohistological evidences ofGinkgo biloba extract altering Bax to Bcl-2 expression ratio in the hippocampus and motor cortex of senescence accelerated mice. Microscopy Research and Technique, 2006, 69, 601-605.	2.2	20
57	Dynamic expression of Dab2 in the mouse embryonic central nervous system. BMC Developmental Biology, 2008, 8, 76.	2.1	20
58	Qianliguang (Senecio scandens) Safety Dilemma: Dose Is the Key?. Planta Medica, 2009, 75, 1107-1111.	1.3	18
59	Dissociated brain organization for two-digit addition and subtraction: An fMRI investigation. Brain Research Bulletin, 2011, 86, 395-402.	3.0	18
60	Importance of the glu 160 and glu 189 residues to the various biological activities of the ribosome inactivating protein trichosanthin. Life Sciences, 1996, 58, 2439-2446.	4.3	17
61	The Marginal Division of the Striatum and Hippocampus Has Different Role and Mechanism in Learning and Memory. Molecular Neurobiology, 2015, 51, 827-839.	4.0	17
62	Proteomic Study of Pyrrolizidine Alkaloid-Induced Hepatic Sinusoidal Obstruction Syndrome in Rats. Chemical Research in Toxicology, 2015, 28, 1715-1727.	3.3	17
63	Huang-Lian-Jie-Du extract ameliorates atopic dermatitis-like skin lesions induced by 2,4-dinitrobenzene in mice via suppression of MAPKs and NF-ÎºB pathways. Journal of Ethnopharmacology, 2020, 249, 112367.	4.1	17
64	Development of the human cerebral cortex: A histochemical study. Progress in Histochemistry and Cytochemistry, 2002, 38, 3-49.	5.1	16
65	Expression Patterns of PSA-NCAM in the Human Ganglionic Eminence and Its Vicinity: Role of PSA-NCAM in Neuronal Migration and Axonal Growth?. Cells Tissues Organs, 2004, 177, 229-236.	2.3	16
66	Toxicoproteomic assessment of liver responses to acute pyrrolizidine alkaloid intoxication in rats. Journal of Environmental Science and Health, Part C: Environmental Carcinogenesis and Ecotoxicology Reviews, 2018, 36, 65-83.	2.9	16
67	Developmental toxicity and teratogenicity of trichosanthin, a ribosome-inactivating protein, in mice. Teratogenesis, Carcinogenesis, and Mutagenesis, 1993, 13, 47-57.	0.8	15
68	The mushroom ribosome-inactivating protein lyophyllin exerts deleterious effects on mouse embryonic development in vitro. Applied Microbiology and Biotechnology, 2010, 85, 985-993.	3.6	15
69	Characterization of three synuclein genes in Xenopus laevis. Developmental Dynamics, 2011, 240, 2028-2033.	1.8	15
70	Angiotensin II type 2 receptor regulates the development of pancreatic endocrine cells in mouse embryos. Developmental Dynamics, 2014, 243, 415-427.	1.8	15
71	Adverse effect of Tripterygium wilfordii extract on mouse embryonic development. Contraception, 1995, 51, 65-71.	1.5	14
72	Substitution for natural musk in Pien Tze Huang does not affect its hepatoprotective activities. Human and Experimental Toxicology, 2004, 23, 35-47.	2.2	14

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73	Somite as a Morphological Reference for Staging and Axial Levels of Developing Structures in Mouse Embryos. Neuroembryology and Aging, 2004, 3, 102-110.	0.1	14
74	Differential abilities of the mushroom ribosome-inactivating proteins hypsin and velutin to perturb normal development of cultured mouse embryos. Toxicology in Vitro, 2010, 24, 1250-1257.	2.4	14
75	Direct Interaction of Sox10 With Cadherin-19 Mediates Early Sacral Neural Crest Cell Migration: Implications for Enteric Nervous System Development Defects. Gastroenterology, 2022, 162, 179-192.e11.	1.3	14
76	Distribution of neuropeptide y in the developing human spinal cord. Neuroscience, 1994, 62, 251-256.	2.3	13
77	A study on the regenerative potential of partially excised mouse embryonic fore-limb bud. Anatomy and Embryology, 1991, 184, 153-157.	1.5	12
78	Differential abilities of the ribosome inactivating proteins luffaculin, luffins and momorcochin to induce abnormalities in developing mouse embryos in vitro. General Pharmacology, 1994, 25, 363-367.	0.7	12
79	Effects of pineal indoles on ovarian response to gonadotropin-induced ovulation in mice. Journal of Neural Transmission, 1995, 100, 239-246.	2.8	12
80	Axonal Patterns in the Prosencephalon of the Human Developing Brain. Neuroembryology and Aging, 2002, 1, 4-16.	0.1	12
81	Expression of A Kinase Anchoring Protein 79 and Synaptophysin in the Developing Human Red Nucleus. NeuroSignals, 2002, 11, 95-102.	0.9	12
82	Use of a microelectrode array to record extracellular pacemaker potentials from the gastrointestinal tracts of the ICR mouse and house musk shrew (Suncus murinus). Cell Calcium, 2019, 80, 175-188.	2.4	12
83	Trichosanthin induces atresia of ovarian follicles and inhibits steroidogenesis in gonadotropin-primed immature mice. General Pharmacology, 1991, 22, 847-849.	0.7	11
84	Î²-Momorcharin, a plant glycoprotein, inhibits synthesis of macromolecules in embryos, splenocytes and tumor cells. International Journal of Biochemistry & Cell Biology, 1992, 24, 1039-1046.	0.5	11
85	Changes induced by pineal indoles in post-implantation mouse embryos. General Pharmacology, 1995, 26, 1113-1118.	0.7	11
86	A new subdivision, marginal division, in the neostriatum of the monkey brain. Neurochemical Research, 2000, 25, 231-237.	3.3	11
87	Development of catecholaminergic neurons in the human medulla oblongata. Life Sciences, 2003, 73, 1315-1331.	4.3	11
88	Anti-atopic dermatitis effects of dictamni cortex: Studies on in vitro and in vivo experimental models. Phytomedicine, 2021, 82, 153453.	5.3	11
89	The ribosome-inactivating, antiproliferative and teratogenic activities and immunoreactivities of a protein from seeds of Luffa aegyptiaca (Cucurbitaceae). General Pharmacology, 1993, 24, 655-658.	0.7	10
90	Action of pineal indoleamines on the reproductive systems of the male C 57 mouse and golden hamster. Journal of Neural Transmission, 1993, 93, 99-107.	2.8	10

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91	Differential expression of glial fibrillary acidic protein (GFAP) in the retinae and visual cortices of rats with experimental renal hypertension. Neuroscience Letters, 1995, 198, 165-168.	2.1	10
92	Early postnatal sound exposure induces lasting neuronal changes in the inferior colliculus of senescence accelerated mice (SAMP8): a morphometric study on GABAergic neurons and NMDA expression. Cellular and Molecular Neurobiology, 2003, 23, 143-164.	3.3	10
93	Expression of ARVCF in the Human Ganglionic Eminence during Fetal Development. Developmental Neuroscience, 2004, 26, 38-44.	2.0	10
94	A New Neural Pathway from the Ventral Striatum to the Nucleus Basalis of Meynert with Functional Implication to Learning and Memory. Molecular Neurobiology, 2019, 56, 7222-7233.	4.0	10
95	The incorporation and dispersion of cells and latex beads on microinjection into the amniotic cavity of the mouse embryo at the early-somite stage. Anatomy and Embryology, 1992, 185, 225-238.	1.5	9
96	Mouse embryonic development and tumor cell growth under the influence of recombinant trichosanthin (a ribosome inactivating protein) and its muteins. Teratogenesis, Carcinogenesis, and Mutagenesis, 1995, 15, 259-268.	0.8	9
97	Efficacy and action mechanisms of a Chinese herbal formula on experimental models of atopic dermatitis. Journal of Ethnopharmacology, 2021, 274, 114021.	4.1	9
98	Early Expression of Adenosine 5â€²-Triphosphate-Gated P2X7 Receptors in the Developing Rat Pancreas. Pancreas, 2007, 35, 164-168.	1.1	8
99	Morphine addiction does not alter brain or pituitary immunoreactive dynorphin level. Pharmacological Research Communications, 1982, 14, 861-868.	0.2	7
100	Actions of selected proteins, peptides and amino acid derivatives on mouse embryonic development In Vitro. General Pharmacology, 1994, 25, 1611-1616.	0.7	7
101	G protein-coupled estrogen receptor inhibits the P2Y receptor-mediated Ca2+ signaling pathway in human airway epithelia. Pflugers Archiv European Journal of Physiology, 2016, 468, 1489-1503.	2.8	7
102	Effects of decoctions prepared from Aconitum carmichaeli, Aconitum kusnezoffii and Tripterygium wilfordii on serum lactate dehydrogenase activity and histology of liver, kidney, heart and gonad in mice. Human and Experimental Toxicology, 1995, 14, 489-493.	2.2	6
103	Long-term changes of response in the inferior colliculus of senescence accelerated mice after early sound exposure. Journal of the Neurological Sciences, 2003, 216, 143-151.	0.6	6
104	Tracking Down the Migration of Mouse Neural Crest Cells. Neuroembryology, 2003, 2, 9-17.	1.1	6
105	Disabled-2: a positive regulator of the early differentiation of myoblasts. Cell and Tissue Research, 2020, 381, 493-508.	2.9	6
106	Kindlin2 regulates neural crest specification via integrin-independent regulation of the FGF signaling pathway. Development (Cambridge), 2021, 148, .	2.5	6
107	Pyrrolizidine Alkaloid-Induced Hepatotoxicity Associated with the Formation of Reactive Metabolite-Derived Pyrroleâ€“Protein Adducts. Toxins, 2021, 13, 723.	3.4	6
108	Postnatal changes of vascular endothelial growth factor (VEGF) expression in the retinae of normal and hypertensive rats. Life Sciences, 2000, 66, 1615-1625.	4.3	5

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109	Scanning electron microscopic study of monofilament suture knots.. British Journal of Ophthalmology, 1996, 80, 164-167.	3.9	4
110	Substance P and enkephalin containing fibers in the developing nucleus dorsalis of the human spinal cord. Neuroscience Letters, 2001, 312, 87-90.	2.1	4
111	Ciliary tissue transplantation in the rabbit. Experimental Eye Research, 2006, 82, 247-257.	2.6	4
112	Early Migration of Sacral Neural Crest Cells in Mouse Embryos. Neuroembryology and Aging, 2006, 4, 189-201.	0.1	4
113	New learning and memory related pathways among the hippocampus, the amygdala and the ventromedial region of the striatum in rats. Journal of Chemical Neuroanatomy, 2016, 71, 13-19.	2.1	4
114	Effect of Photoperiod on Testicular Histology in Golden Hamsters and C57 and BALB/C Mice. Archives of Andrology, 1994, 32, 101-109.	1.0	3
115	Changes in ovulatory and steroidogenic responses in mice after administration of the ribosome inactivating proteins momorcochin, luffaculin and luffins. General Pharmacology, 1994, 25, 19-21.	0.7	3
116	Migration of Hindbrain Neural Crest Cells in the Mouse. Neuroembryology and Aging, 2003, 2, 164-174.	0.1	3
117	Identification and characterization of a novel CXC chemokine in xenograft tumor induced by masâ€overexpressing cells. International Journal of Cancer, 2009, 125, 1316-1327.	5.1	3
118	Comparison of the Embryotoxic Effects of Saporin, Agrostin (Type 1 Ribosome-Inactivating Proteins)		

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127	Dab2 in early skeletal muscle development. FASEB Journal, 2011, 25, 874.2.	0.5	1
128	Antiproliferative and teratogenic activities of the bishemisuccinates of 7Î±-hydroxycholesterol and 7Î²-hydroxycholesterol. General Pharmacology, 1994, 25, 767-772.	0.7	0
129	A rabbit model of proliferative vitreoretinopathy induced by injection of astrocytic cultures. Cellular and Molecular Neurobiology, 1999, 19, 759-773.	3.3	0
130	Expression of Nuclear Factor-Kappa B in Early Developing Rhesus Monkey Brains. Neuroembryology and Aging, 2004, 3, 115-122.	0.1	0
131	Development of iPSC-induced Neural Crest Cells and Enteric Neural Crest Stem Cells in the Gut Following Transplantation. Mechanisms of Development, 2017, 145, S168.	1.7	0
132	S100A1 expression in mouse embryos. FASEB Journal, 2008, 22, 978.8.	0.5	0
133	Development of S100B knockout embryos following inhibition of S100A1 protein expression. FASEB Journal, 2009, 23, 470.3.	0.5	0
134	Early appearance of acetylcholinergic, serotoninergic, and peptidergic neurons and fibers in the developing human central nervous system. Microscopy Research and Technique, 1999, 45, 389-400.	2.2	0