Chris Kong-Chu Wong

List of Publications by Year
in descending order

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108 papers	4,288 citations	109137 35 h-index	128067 60 g-index
109 all docs	109 docs citations	109 times ranked	5630 citing authors

#	Article	IF	Citations
1	Osteoclast-derived exosomal miR-214-3p inhibits osteoblastic bone formation. Nature Communications, 2016, 7, 10872.	5.8	424
2	Evolution and roles of stanniocalcin. Molecular and Cellular Endocrinology, 2012, 349, 272-280.	1.6	185
3	PFOS-induced hepatic steatosis, the mechanistic actions on Î²-oxidation and lipid transport. Biochimica Et Biophysica Acta - General Subjects, 2012, 1820, 1092-1101.	1.1	145
4	Hypoxia causes transgenerational impairments in reproduction of fish. Nature Communications, 2016, 7, 12114.	5.8	134
5	Comparative Analysis of Mammalian Stanniocalcin Genes**This work was supported by grants from London Health Sciences Research, Inc. (to G.E.D.), the London Regional Cancer Center (to G.E.D.), and the Medical Research Council of Canada (to G.F.W.).. Endocrinology, 1998, 139, 4714-4725.	1.4	128
6	Involvement of activating ERK1/2 through G protein coupled receptor 30 and estrogen receptor Î±/Î² in low doses of bisphenol A promoting growth of Sertoli TM4 cells. Toxicology Letters, 2014, 226, 81-89.	0.4	126
7	Bisphenol A alters gut microbiome: Comparative metagenomics analysis. Environmental Pollution, 2016, 218, 923-930.	3.7	122
8	Characterization of ion channel and transporter mRNA expressions in isolated gill chloride and pavement cells of seawater acclimating eels. Biochemical and Biophysical Research Communications, 2006, 346, 1181-1190.	1.0	113
9	Contributions of City-Specific Fine Particulate Matter (PM_{2.5}) to Differential In Vitro Oxidative Stress and Toxicity Implications between Beijing and Guangzhou of China. Environmental Science & Technology, 2019, 53, 2881-2891.	4.6	109
10	Hypoxia-Inducible Factor-1-Mediated Activation of Stanniocalcin-1 in Human Cancer Cells. Endocrinology, 2005, 146, 4951-4960.	1.4	103
11	Perfluorooctanesulfonate (PFOS) Perturbs Male Rat Sertoli Cell Blood-Testis Barrier Function by Affecting F-Actin Organization via p-FAK-Tyr407: An in Vitro Study. Endocrinology, 2014, 155, 249-262.	1.4	103
12	Blood plasma concentrations of endocrine disrupting chemicals in Hong Kong populations. Journal of Hazardous Materials, 2013, 261, 763-769.	6.5	98
13	Risk assessment for human consumption of perfluorinated compound-contaminated freshwater and marine fish from Hong Kong and Xiamen. Chemosphere, 2011, 85, 277-283.	4.2	92
14	Germ Cell Transport Across the Seminiferous Epithelium During Spermatogenesis. Physiology, 2014, 29, 286-298.	1.6	80
15	Perinatal Exposure to Perfluorooctane Sulfonate Affects Glucose Metabolism in Adult Offspring. PLoS ONE, 2014, 9, e87137.	1.1	74
16	Assessment of risk to humans of bisphenol A in marine and freshwater fish from Pearl River Delta, China. Chemosphere, 2011, 85, 122-128.	4.2	73
17	Stanniocalcin-1 and -2 promote angiogenic sprouting in HUVECs via VEGF/VEGFR2 and angiopoietin signaling pathways. Molecular and Cellular Endocrinology, 2013, 374, 73-81.	1.6	67
18	Dietary Exposure to the Environmental Chemical, PFOS on the Diversity of Gut Microbiota, Associated With the Development of Metabolic Syndrome. Frontiers in Microbiology, 2018, 9, 2552.	1.5	63

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19	Ginsenoside-Rb1 targets chemotherapy-resistant ovarian cancer stem cells via simultaneous inhibition of Wnt/Î²-catenin signaling and epithelial-to-mesenchymal transition. Oncotarget, 2017, 8, 25897-25914.	0.8	62
20	Targeting testis-specific proteins to inhibit spermatogenesis: lesson from endocrine disrupting chemicals. Expert Opinion on Therapeutic Targets, 2013, 17, 839-855.	1.5	58
21	Chemical and biological characterization of air particulate matter 2.5, collected from five cities in China. Environmental Pollution, 2014, 194, 188-195.	3.7	58
22	Activation of GPER suppresses epithelial mesenchymal transition of triple negative breast cancer cells via NFâ€ÎºB signals. Molecular Oncology, 2016, 10, 775-788.	2.1	56
23	GPER/Hippo-YAP signal is involved in Bisphenol S induced migration of triple negative breast cancer (TNBC) cells. Journal of Hazardous Materials, 2018, 355, 1-9.	6.5	53
24	Effects of in Utero PFOS Exposure on Transcriptome, Lipidome, and Function of Mouse Testis. Environmental Science & Technology, 2017, 51, 8782-8794.	4.6	51
25	Tissue-specific transcriptome assemblies of the marine medaka Oryzias melastigma and comparative analysis with the freshwater medaka Oryzias latipes. BMC Genomics, 2015, 16, 135.	1.2	47
26	Comparative Analysis of PFOS and PFOA Toxicity on Sertoli Cells. Environmental Science & Technology, 2020, 54, 3465-3475.	4.6	46
27	Mutagenic Azo Dyes, Rather Than Flame Retardants, Are the Predominant Brominated Compounds in House Dust. Environmental Science & Technology, 2016, 50, 12669-12677.	4.6	45
28	Identification and characterization of the hypoxia-responsive element in human stanniocalcin-1 gene. Molecular and Cellular Endocrinology, 2010, 314, 118-127.	1.6	44
29	Is toxicant-induced Sertoli cell injury in vitro a useful model to study molecular mechanisms in spermatogenesis?. Seminars in Cell and Developmental Biology, 2016, 59, 141-156.	2.3	44
30	Actin nucleator Spire 1 is a regulator of ectoplasmic specialization in the testis. Cell Death and Disease, 2018, 9, 208.	2.7	44
31	Effects of perinatal exposure to bisphenol A and di(2-ethylhexyl)-phthalate on gonadal development of male mice. Environmental Science and Pollution Research, 2012, 19, 2515-2527.	2.7	43
32	Fatty liver disease induced by perfluorooctane sulfonate: Novel insight from transcriptome analysis. Chemosphere, 2016, 159, 166-177.	4.2	43
33	Pathogenesis of POLR1C-dependent Type 3 Treacher Collins Syndrome revealed by a zebrafish model. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2016, 1862, 1147-1158.	1.8	38
34	The apical ESâ€“BTBâ€“BM functional axis is an emerging target for toxicant-induced infertility. Trends in Molecular Medicine, 2013, 19, 396-405.	3.5	37
35	Actin-bundling protein plastin 3 is a regulator of ectoplasmic specialization dynamics during spermatogenesis in the rat testis. FASEB Journal, 2015, 29, 3788-3805.	0.2	37
36	Connexin 43 reboots meiosis and reseals bloodâ€testis barrier following toxicantâ€mediated aspermatogenesis and barrier disruption. FASEB Journal, 2016, 30, 1436-1452.	0.2	37

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37	Activation of Ca2+-sensing receptor as a protective pathway to reduce Cadmium-induced cytotoxicity in renal proximal tubular cells. Scientific Reports, 2018, 8, 1092.	1.6	37
38	The measurement of bisphenol A and its analogues, perfluorinated compounds in twenty species of freshwater and marine fishes, a time-trend comparison and human health based assessment. Marine Pollution Bulletin, 2017, 124, 743-752.	2.3	36
39	Signaling pathways regulating bloodâ€“tissue barriers â€” Lesson from the testis. Biochimica Et Biophysica Acta - Biomembranes, 2018, 1860, 141-153.	1.4	34
40	Rescue of perfluorooctanesulfonate (PFOS)-mediated Sertoli cell injury by overexpression of gap junction protein connexin 43. Scientific Reports, 2016, 6, 29667.	1.6	33
41	Dynein 1 supports spermatid transport and spermiation during spermatogenesis in the rat testis. American Journal of Physiology - Endocrinology and Metabolism, 2018, 315, E924-E948.	1.8	33
42	Histone deacetylase inhibitor-induced cellular apoptosis involves stanniocalcin-1 activation. Experimental Cell Research, 2008, 314, 2975-2984.	1.2	32
43	Differential effects of c-Src and c-Yes on the endocytic vesicle-mediated trafficking events at the Sertoli cell blood-testis barrier: an in vitro study. American Journal of Physiology - Endocrinology and Metabolism, 2014, 307, E553-E562.	1.8	32
44	Formin 1 Regulates Ectoplasmic Specialization in the Rat Testis Through Its Actin Nucleation and Bundling Activity. Endocrinology, 2015, 156, 2969-2983.	1.4	31
45	N-WASP Is Required for Structural Integrity of the Blood-Testis Barrier. PLoS Genetics, 2014, 10, e1004447.	1.5	30
46	Partitioning behavior of perfluorinated compounds between sediment and biota in the Pearl River Delta of South China. Marine Pollution Bulletin, 2014, 83, 148-154.	2.3	30
47	Genetic Basis of Differential Heat Resistance between Two Species of Congeneric Freshwater Snails: Insights from Quantitative Proteomics and Base Substitution Rate Analysis. Journal of Proteome Research, 2015, 14, 4296-4308.	1.8	30
48	Transcriptome sequencing reveals prenatal PFOS exposure on liver disorders. Environmental Pollution, 2017, 223, 416-425.	3.7	30
49	Methionine oxidation in albumin by fine haze particulate matter: An in vitro and in vivo study. Journal of Hazardous Materials, 2014, 274, 384-391.	6.5	29
50	Calcimimetic compound NPS R-467 protects against chronic cadmium-induced mouse kidney injury by restoring autophagy process. Ecotoxicology and Environmental Safety, 2020, 189, 110052.	2.9	29
51	Transcriptomic analysis reveals specific osmoregulatory adaptive responses in gill mitochondria-rich cells and pavement cells of the Japanese eel. BMC Genomics, 2015, 16, 1072.	1.2	28
52	Inhibition of Autophagy Alleviates Cadmium-Induced Mouse Spleen and Human B Cells Apoptosis. Toxicological Sciences, 2019, 170, 109-122.	1.4	27
53	Sp1 is a transcription repressor to stanniocalcin-1 expression in TSA-treated human colon cancer cells, HT29. Journal of Cellular Biochemistry, 2011, 112, 2089-2096.	1.2	26
54	Formin 1 Regulates Microtubule and F-Actin Organization to Support Spermatid Transport During Spermatogenesis in the Rat Testis. Endocrinology, 2016, 157, 2894-2908.	1.4	26

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55	Identification of immune-related genes in gill cells of Japanese eels (Anguilla japonica) in adaptation to water salinity changes. Fish and Shellfish Immunology, 2018, 73, 288-296.	1.6	25
56	Effects of TCDD in modulating the expression of Sertoli cell secretory products and markers for cellâ€“cell interaction. Toxicology, 2005, 206, 111-123.	2.0	24
57	Cadmium induces epithelialâ€“mesenchymal transition and migration of renal cancer cells by increasing PGE2 through a cAMP/PKA-COX2 dependent mechanism. Ecotoxicology and Environmental Safety, 2021, 207, 111480.	2.9	24
58	Stanniocalcin-1 Regulates Re-Epithelialization in Human Keratinocytes. PLoS ONE, 2011, 6, e27094.	1.1	23
59	Chloride cell subtypes in the gill epithelium of Japanese eelAnguilla japonica. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 1999, 277, R517-R522.	0.9	22
60	Role of non-receptor protein tyrosine kinases in spermatid transport during spermatogenesis. Seminars in Cell and Developmental Biology, 2014, 30, 65-74.	2.3	22
61	Actin binding proteins, actin cytoskeleton and spermatogenesis â€“ Lesson from toxicant models. Reproductive Toxicology, 2020, 96, 76-89.	1.3	22
62	Dioxin-like components in human breast milk collected from Hong Kong and Guangzhou. Environmental Research, 2004, 96, 88-94.	3.7	21
63	iTRAQ-based quantitative proteomic analysis reveals acute hypo-osmotic responsive proteins in the gills of the Japanese eel (Anguilla japonica). Journal of Proteomics, 2014, 105, 133-143.	1.2	21
64	Transcriptomic responses of corpuscle of Stannius gland of Japanese eels (Anguilla japonica) to Changes in Water Salinity. Scientific Reports, 2015, 5, 9836.	1.6	21
65	Stanniocalcin-1 Reduces Tumor Size in Human Hepatocellular Carcinoma. PLoS ONE, 2015, 10, e0139977.	1.1	20
66	Effects of In Utero Exposure to Perfluorooctane Sulfonate on Placental Functions. Environmental Science & Technology, 2020, 54, 16050-16061.	4.6	19
67	Cell polarity and cytoskeletonsâ€”Lesson from the testis. Seminars in Cell and Developmental Biology, 2018, 81, 21-32.	2.3	17
68	Bisphenol A and its analogues in sedimentary microplastics of Hong Kong. Marine Pollution Bulletin, 2021, 164, 112090.	2.3	17
69	Effects of dexamethasone and dibutyryl cAMP on stanniocalcin-1 mRNA expression in rat primary Sertoli and Leydig cells. Molecular and Cellular Endocrinology, 2008, 283, 96-103.	1.6	16
70	Cytokines, Polarity Proteins, and Endosomal Protein Trafficking and Signalingâ€”The Sertoli Cell Bloodâ€“Testis Barrier System In Vitro as a Study Model. Methods in Enzymology, 2014, 534, 181-194.	0.4	16
71	F5-Peptide and mTORC1/rpS6 Effectively Enhance BTB Transport Function in the Testisâ€”Lesson From the Adjudin Model. Endocrinology, 2019, 160, 1832-1853.	1.4	16
72	Myosin VIIa Supports Spermatid/Organelle Transport and Cell Adhesion During Spermatogenesis in the Rat Testis. Endocrinology, 2019, 160, 484-503.	1.4	16

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73	CAMSAP2 Is a Microtubule Minus-End Targeting Protein That Regulates BTB Dynamics Through Cytoskeletal Organization. Endocrinology, 2019, 160, 1448-1467.	1.4	15
74	Characterization of PFOS toxicity on in-vivo and ex-vivo mouse pancreatic islets. Environmental Pollution, 2021, 289, 117857.	3.7	15
75	nbce1andH⁺â€“atpasemRNA expression are stimulated in the mitochondria-rich cells of freshwater-acclimating Japanese eels (AnguillaÂjaponica). Canadian Journal of Zoology, 2011, 89, 348-355.	0.4	14
76	Microtubule Cytoskeleton and Spermatogenesisâ€”Lesson From Studies of Toxicant Models. Toxicological Sciences, 2020, 177, 305-315.	1.4	14
77	Cell polarity and planar cell polarity (PCP) in spermatogenesis. Seminars in Cell and Developmental Biology, 2018, 81, 71-77.	2.3	13
78	Transcriptomic and methylomic analysis reveal the toxicological effect of 2,3,7,8-Tetrachlorodibenzodioxin on human embryonic stem cell. Chemosphere, 2018, 206, 663-673.	4.2	13
79	Bisphenol compounds regulate decidualized stromal cells in modulating trophoblastic spheroid outgrowth and invasion in vitroâ€. Biology of Reproduction, 2020, 102, 693-704.	1.2	13
80	A crustacean annotated transcriptome (CAT) database. BMC Genomics, 2020, 21, 32.	1.2	13
81	KIF15 Supports Spermatogenesis Via Its Effects on Sertoli Cell Microtubule, Actin, Vimentin, and Septin Cytoskeletons. Endocrinology, 2021, 162, .	1.4	13
82	Effects of 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD) on the differentiation of embryonic stem cells towards pancreatic lineage and pancreatic beta cell function. Environment International, 2019, 130, 104885.	4.8	12
83	The roles of calcium-sensing receptor (CaSR) in heavy metals-induced nephrotoxicity. Life Sciences, 2020, 242, 117183.	2.0	12
84	Characterization of stanniocalcin-1 expression in macrophage differentiation. Translational Oncology, 2021, 14, 100881.	1.7	12
85	Perfluorooctanesulfonic acid exposure altered hypothalamic metabolism and disturbed male fecundity. Science of the Total Environment, 2022, 844, 156881.	3.9	12
86	The Non-hormonal Male Contraceptive Adjudin Exerts its Effects via MAPs and Signaling Proteins mTORC1/rpS6 and FAK-Y407. Endocrinology, 2021, 162, .	1.4	11
87	Planar cell polarity (PCP) proteins support spermatogenesis through cytoskeletal organization in the testis. Seminars in Cell and Developmental Biology, 2022, 121, 99-113.	2.3	11
88	Comparative proteomics and codon substitution analysis reveal mechanisms of differential resistance to hypoxia in congeneric snails. Journal of Proteomics, 2018, 172, 36-48.	1.2	9
89	mTORC1/rpS6 and spermatogenic function in the testisâ€”insights from the adjudin model. Reproductive Toxicology, 2019, 89, 54-66.	1.3	9
90	Transcriptomic and Functional Analyses on the Effects of Dioxin on Insulin Secretion of Pancreatic Islets and Î²-Cells. Environmental Science & Technology, 2017, 51, 11390-11400.	4.6	8

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91	F5-peptide enhances the efficacy of the non-hormonal male contraceptive adjudin. Contraception, 2019, 99, 350-356.	0.8	8
92	Role of cell polarity and planar cell polarity (PCP) proteins in spermatogenesis. Critical Reviews in Biochemistry and Molecular Biology, 2020, 55, 71-87.	2.3	8
93	Bisphenol A Analogues Suppress Spheroid Attachment on Human Endometrial Epithelial Cells through Modulation of Steroid Hormone Receptors Signaling Pathway. Cells, 2021, 10, 2882.	1.8	8
94	Genome-wide analysis of MicroRNA-messenger RNA interactome in ex-vivo gill filaments, Anguilla japonica. BMC Genomics, 2020, 21, 208.	1.2	7
95	A laminin-based local regulatory network in the testis that supports spermatogenesis. Seminars in Cell and Developmental Biology, 2022, 121, 40-52.	2.3	7
96	Cell-Cell Interaction-Mediated Signaling in the Testis Induces Reproductive Dysfunctionâ€"Lesson from the Toxicant/Pharmaceutical Models. Cells, 2022, 11, 591.	1.8	7
97	Microtubule-associated proteins (MAPs) in microtubule cytoskeletal dynamics and spermatogenesis. Histology and Histopathology, 2021, 36, 249-265.	0.5	6
98	Characterization of stanniocalcin 1 binding and signaling in gill cells of Japanese eels. Journal of Molecular Endocrinology, 2015, 54, 305-314.	1.1	5
99	mTORC1/rpS6 and p-FAK-Y407 signaling regulate spermatogenesis: Insights from studies of the adjudin pharmaceutical/toxicant model. Seminars in Cell and Developmental Biology, 2022, 121, 53-62.	2.3	4
100	AKAP9 supports spermatogenesis through its effects on microtubule and actin cytoskeletons in the rat testis. FASEB Journal, 2021, 35, e21925.	0.2	3
101	Effects of stanniocalcin-1 overexpressing hepatocellular carcinoma cells on macrophage migration. PLoS ONE, 2020, 15, e0241932.	1.1	3
102	Data for transcriptomic and iTRAQ proteomic analysis of Anguilla japonica gills in response to osmotic stress. Data in Brief, 2015, 3, 120-125.	0.5	2
103	Identification and characterization of a membrane receptor that binds to human STC1. Life Science Alliance, 2022, 5, e202201497.	1.3	2
104	ICMPE-8: Dedicated to Professor Rudolf Wu. Marine Pollution Bulletin, 2017, 124, 569-572.	2.3	0
105	Effects of stanniocalcin-1 overexpressing hepatocellular carcinoma cells on macrophage migration. , 2020, 15, e0241932.		0
106	Effects of stanniocalcin-1 overexpressing hepatocellular carcinoma cells on macrophage migration. , 2020, 15, e0241932.		0
107	Effects of stanniocalcin-1 overexpressing hepatocellular carcinoma cells on macrophage migration. , 2020, 15, e0241932.		0
108	Effects of stanniocalcin-1 overexpressing hepatocellular carcinoma cells on macrophage migration. , 2020, 15, e0241932.		0