

Rudolf Wu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11948498/publications.pdf>

Version: 2024-02-01

68
papers

4,084
citations

126907

33
h-index

114465

63
g-index

69
all docs

69
docs citations

69
times ranked

5023
citing authors

#	ARTICLE	IF	CITATIONS
1	Hypoxia: from molecular responses to ecosystem responses. <i>Marine Pollution Bulletin</i> , 2002, 45, 35-45.	5.0	661
2	Developmental toxicity and alteration of gene expression in zebrafish embryos exposed to PFOS. <i>Toxicology and Applied Pharmacology</i> , 2008, 230, 23-32.	2.8	307
3	Induction of oxidative stress and apoptosis by PFOS and PFOA in primary cultured hepatocytes of freshwater tilapia (<i>Oreochromis niloticus</i>). <i>Aquatic Toxicology</i> , 2007, 82, 135-143.	4.0	289
4	Hexabromocyclododecane-induced developmental toxicity and apoptosis in zebrafish embryos. <i>Aquatic Toxicology</i> , 2009, 93, 29-36.	4.0	240
5	Human adrenocarcinoma (H295R) cells for rapid in vitro determination of effects on steroidogenesis: Hormone production. <i>Toxicology and Applied Pharmacology</i> , 2006, 217, 114-124.	2.8	169
6	DNA Adduct Formation and DNA Strand Breaks in Green-lipped Mussels (<i>Perna viridis</i>) Exposed to Benzo[a]pyrene: Dose- and Time-Dependent Relationships. <i>Marine Pollution Bulletin</i> , 2001, 42, 603-610.	5.0	137
7	Real-time PCR array to study effects of chemicals on the Hypothalamicâ€“Pituitaryâ€“Gonadal axis of the Japanese medaka. <i>Aquatic Toxicology</i> , 2008, 88, 173-182.	4.0	124
8	Induction, adaptation and recovery of biological responses: Implications for environmental monitoring. <i>Marine Pollution Bulletin</i> , 2005, 51, 623-634.	5.0	107
9	Disruption of endocrine function in in vitro H295R cell-based and in in vivo assay in zebrafish by 2,4-dichlorophenol. <i>Aquatic Toxicology</i> , 2012, 106-107, 173-181.	4.0	104
10	Detection of cancer biomarkers by piezoelectric biosensor using PZT ceramic resonator as the transducer. <i>Biosensors and Bioelectronics</i> , 2013, 46, 155-161.	10.1	88
11	Monitoring of metal pollution in waterways across Bangladesh and ecological and public health implications of pollution. <i>Chemosphere</i> , 2016, 165, 1-9.	8.2	87
12	The H295R system for evaluation of endocrine-disrupting effects. <i>Ecotoxicology and Environmental Safety</i> , 2006, 65, 293-305.	6.0	86
13	Estrogenic potential of benzotriazole on marine medaka (<i>Oryzias melastigma</i>). <i>Ecotoxicology and Environmental Safety</i> , 2012, 80, 327-332.	6.0	86
14	Waterborne exposure to fluorotelomer alcohol 6:2 FTOH alters plasma sex hormone and gene transcription in the hypothalamicâ€“pituitaryâ€“gonadal (HPG) axis of zebrafish. <i>Aquatic Toxicology</i> , 2009, 93, 131-137.	4.0	79
15	Trace/heavy metal pollution monitoring in estuary and coastal area of Bay of Bengal, Bangladesh and implicated impacts. <i>Marine Pollution Bulletin</i> , 2016, 105, 393-402.	5.0	77
16	Hypoxia induces the activation of human hepatic stellate cells LX-2 through TGF-Î² signaling pathway. <i>FEBS Letters</i> , 2007, 581, 203-210.	2.8	72
17	Chapter 3 Effects of Hypoxia on Fish Reproduction and Development. <i>Fish Physiology</i> , 2009, 27, 79-141.	0.8	67
18	Effects of fifteen PBDE metabolites, DE71, DE79 and TBBPA on steroidogenesis in the H295R cell line. <i>Chemosphere</i> , 2008, 71, 1888-1894.	8.2	65

#	ARTICLE	IF	CITATIONS
19	Glucose-6-phosphate dehydrogenase and lactate dehydrogenase in the green-lipped mussel (<i>Perna</i>) Tj ETQq1 1 0.784314 rgBT/Overlo	11.3	64
20	Phosphorus flame retardants and Bisphenol A in indoor dust and PM2.5 in kindergartens and primary schools in Hong Kong. <i>Environmental Pollution</i> , 2018, 235, 365-371.	7.5	59
21	Modulation of steroidogenic gene expression and hormone production of H295R cells by pharmaceuticals and other environmentally active compounds. <i>Toxicology and Applied Pharmacology</i> , 2007, 225, 142-153.	2.8	57
22	An "artificial mussel"™ for monitoring heavy metals in marine environments. <i>Environmental Pollution</i> , 2007, 145, 104-110.	7.5	56
23	Omics of the marine medaka (<i>Oryzias melastigma</i>) and its relevance to marine environmental research. <i>Marine Environmental Research</i> , 2016, 113, 141-152.	2.5	56
24	Polybrominated diphenyl ethers affect the reproduction and development, and alter the sex ratio of zebrafish (<i>Danio rerio</i>). <i>Environmental Pollution</i> , 2013, 182, 120-126.	7.5	50
25	Nuage constituents arising from mitochondria: Is it possible?. <i>Development Growth and Differentiation</i> , 2000, 42, 139-143.	1.5	48
26	Primary cultured cells as sensitive in vitro model for assessment of toxicants-comparison to hepatocytes and gill epithelia. <i>Aquatic Toxicology</i> , 2006, 80, 109-118.	4.0	46
27	EFFECTS OF BROMINATED FLAME RETARDANTS AND BROMINATED DIOXINS ON STEROIDOGENESIS IN H295R HUMAN ADRENOCORTICAL CARCINOMA CELL LINE. <i>Environmental Toxicology and Chemistry</i> , 2007, 26, 764.	4.3	45
28	Antioxidant responses and lipid peroxidation in gills and erythrocytes of fish (<i>Rhabdosarga sarba</i>) upon exposure to <i>Chattonella marina</i> and hydrogen peroxide: Implications on the cause of fish kills. <i>Journal of Experimental Marine Biology and Ecology</i> , 2006, 336, 230-241.	1.5	42
29	Bioaccumulation and maternal transfer of PBDE 47 in the marine medaka (<i>Oryzias melastigma</i>) following dietary exposure. <i>Aquatic Toxicology</i> , 2011, 103, 199-204.	4.0	42
30	The use of muscle burden in rabbitfish <i>Siganus oramin</i> for monitoring polycyclic aromatic hydrocarbons and polychlorinated biphenyls in Victoria Harbour, Hong Kong and potential human health risk. <i>Science of the Total Environment</i> , 2009, 407, 4327-4332.	8.0	38
31	Innovative "Artificial Mussels"™ technology for assessing spatial and temporal distribution of metals in Goulburn "Murray catchments waterways, Victoria, Australia: Effects of climate variability (dry vs.) Tj ETQq1 1 0.784314 rgBT/Overlo	11.3	64
32	Field validation, in Scotland and Iceland, of the artificial mussel for monitoring trace metals in temperate seas. <i>Marine Pollution Bulletin</i> , 2008, 57, 790-800.	5.0	34
33	Paralytic shellfish toxins in green-lipped mussels, <i>Perna viridis</i> , in Hong Kong. <i>Marine Pollution Bulletin</i> , 2003, 46, 258-263.	5.0	33
34	UPTAKE AND DEPURATION OF PARALYTIC SHELLFISH TOXINS IN THE GREEN-LIPPED MUSSEL, <i>PERNA VIRIDIS</i> : A DYNAMIC MODEL. <i>Environmental Toxicology and Chemistry</i> , 2005, 24, 129.	4.3	33
35	Modulation of steroidogenic gene expression and hormone synthesis in H295R cells exposed to PCP and TCP. <i>Toxicology</i> , 2011, 282, 146-153.	4.2	33
36	Relationships between tissue concentrations of paralytic shellfish toxins and antioxidative responses of clams, <i>Ruditapes philippinarum</i> . <i>Marine Pollution Bulletin</i> , 2006, 52, 572-578.	5.0	31

#	ARTICLE	IF	CITATIONS
37	Silver nanoparticles disrupt regulation of steroidogenesis in fish ovarian cells. <i>Aquatic Toxicology</i> , 2015, 169, 143-151.	4.0	30
38	Regulation of CYP11B1 and CYP11B2 steroidogenic genes by hypoxia-inducible miR-10b in H295R cells. <i>Marine Pollution Bulletin</i> , 2014, 85, 344-351.	5.0	29
39	Hypoxia disrupts gene modulation along the brainâ€“pituitaryâ€“gonad (BPG)â€“liver axis. <i>Ecotoxicology and Environmental Safety</i> , 2014, 102, 70-78.	6.0	28
40	Fluorescence in situ hybridization techniques (FISH) to detect changes in CYP19a gene expression of Japanese medaka (<i>Oryzias latipes</i>). <i>Toxicology and Applied Pharmacology</i> , 2008, 232, 226-235.	2.8	26
41	Contamination and risk implications of endocrine disrupting chemicals along the coastline of China: A systematic study using mussels and semipermeable membrane devices. <i>Science of the Total Environment</i> , 2018, 624, 1298-1307.	8.0	25
42	A comparative study on metal contamination in Estero de Urias lagoon, Gulf of California, using oysters, mussels and artificial mussels: Implications on pollution monitoring and public health risk. <i>Environmental Pollution</i> , 2018, 243, 197-205.	7.5	24
43	iTRAQ-based proteomic profiling of the marine medaka (<i>Oryzias melastigma</i>) gonad exposed to BDE-47. <i>Marine Pollution Bulletin</i> , 2014, 85, 471-478.	5.0	20
44	A novel approach for estimating the removal efficiencies of endocrine disrupting chemicals and heavy metals in wastewater treatment processes. <i>Marine Pollution Bulletin</i> , 2016, 112, 53-57.	5.0	19
45	Effect of hypoxia on RAW264.7 macrophages apoptosis and signaling. <i>Toxicology</i> , 2007, 235, 52-61.	4.2	18
46	Antioxidant responses and lipid peroxidation in gills and hepatopancreas of the mussel <i>Perna viridis</i> upon exposure to the red-tide organism <i>Chattonella marina</i> and hydrogen peroxide. <i>Harmful Algae</i> , 2012, 13, 40-46.	4.8	18
47	Advanced fluorescence in situ hybridization to localize and quantify gene expression in Japanese medaka (<i>Oryzias latipes</i>) exposed to endocrineâ€“disrupting compounds. <i>Environmental Toxicology and Chemistry</i> , 2009, 28, 1951-1962.	4.3	17
48	Field study on desorption rates of polynuclear aromatic hydrocarbons from contaminated marine sediment. <i>Environmental Toxicology and Chemistry</i> , 2000, 19, 2431-2435.	4.3	16
49	Label-free detection of endocrine disrupting chemicals by integrating a competitive binding assay with a piezoelectric ceramic resonator. <i>Biosensors and Bioelectronics</i> , 2014, 53, 406-413.	10.1	16
50	Seasonality of bioaccumulation of trace organics and lysosomal integrity in green-lipped mussel <i>Perna viridis</i> . <i>Science of the Total Environment</i> , 2010, 408, 1458-1465.	8.0	15
51	A rapid screening test for endocrine disrupting chemicals using primary cell culture of the marine medaka. <i>Aquatic Toxicology</i> , 2013, 144-145, 50-58.	4.0	15
52	Spatial and temporal variations of trace metal body burdens of live mussels <i>Mytilus galloprovincialis</i> and field validation of the Artificial Mussels in Australian inshore marine environment. <i>Chemosphere</i> , 2020, 248, 126004.	8.2	15
53	PBDE-47 exposure causes gender specific effects on apoptosis and heat shock protein expression in marine medaka, <i>Oryzias melastigma</i> . <i>Aquatic Toxicology</i> , 2014, 147, 57-67.	4.0	13
54	Heavy metal contamination along the China coastline: A comprehensive study using Artificial Mussels and native mussels. <i>Journal of Environmental Management</i> , 2016, 180, 238-246.	7.8	12

#	ARTICLE	IF	CITATIONS
55	Transcriptome profiling of larvae of the marine medaka <i>Oryzias melastigma</i> by Illumina RNA-seq. <i>Marine Genomics</i> , 2015, 24, 255-258.	1.1	11
56	Interactive effects of hypoxia and polybrominated diphenyl ethers (PBDEs) on microbial community assembly in surface marine sediments. <i>Marine Pollution Bulletin</i> , 2014, 85, 400-409.	5.0	9
57	Changes in biochemical composition in the red grouper, <i>Epinephelus akaara</i> (Temminck and Schlegel), and the black sea bream, <i>Mylio macrocephalus</i> (Basilewsky), during hypoxic exposure. <i>Comparative Biochemistry and Physiology A, Comparative Physiology</i> , 1984, 77, 475-482.	0.6	8
58	Gender-specific transcriptional profiling of marine medaka (<i>Oryzias melastigma</i>) liver upon BDE-47 exposure. <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2013, 8, 255-262.	1.0	8
59	Modeling of depuration of paralytic shellfish toxins in <i>Chlamys nobilis</i> and <i>Perna viridis</i> . <i>Marine Pollution Bulletin</i> , 2005, 50, 474-479.	5.0	7
60	Cultured gill epithelial cells from tilapia (<i>Oreochromis niloticus</i>): a new in vitro assay for toxicants. <i>Aquatic Toxicology</i> , 2005, 71, 61-72.	4.0	7
61	Application of the Artificial Mussel for Monitoring Heavy Metal Levels in Seawater of the Coastal Environments, Korea. <i>Journal of the Korean Society for Marine Environment & Energy</i> , 2014, 17, 131-145.	0.2	7
62	Ethoxyresorufin-O-deethylase enzyme activities and accumulation of secondary/tertiary lysosomes in rabbitfish <i>Siganus oramin</i> as biomarkers for xenobiotic exposures. <i>Science of the Total Environment</i> , 2010, 408, 4833-4840.	8.0	5
63	Interactive effects of hypoxia and PBDE on larval settlement of a marine benthic polychaete. <i>Marine Pollution Bulletin</i> , 2014, 85, 425-432.	5.0	5
64	Polybrominated diphenyl ethers do not affect metamorphosis but alter the proteome of the invasive slipper limpet <i>Crepidula onyx</i> . <i>Marine Pollution Bulletin</i> , 2013, 73, 273-281.	5.0	3
65	Tearful at the falling of a star: In memory of Professor Brian Morton (10th August 1942 – 28th March) <i>Tj ETQq1 1,0.784314 rgBT /Cve</i>	5.0	2
66	Two patterns of flagellum development during spermiogenesis of <i>Diadema setosum</i> and <i>Salmacis bicolor</i> (Echinodermata: Echinoidea). <i>Invertebrate Reproduction and Development</i> , 1999, 35, 147-150.	0.8	1
67	Marine pollution bulletin special issue – 5th international conference on marine pollution and ecotoxicology. <i>Marine Pollution Bulletin</i> , 2008, 57, 219-220.	5.0	1
68	Brian Morton, PhD, DSc, OBE, JP (1942–2021): Celebrating the life of our most prolific contributor. <i>Marine Pollution Bulletin</i> , 2021, 172, 112482.	5.0	1