Rudolf Wu

List of Publications by Year
in descending order

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	Brian Morton, PhD, DSc, OBE, JP (1942â€“2021): Celebrating the life of our most prolific contributor. Marine Pollution Bulletin, 2021, 172, 112482.	5.0	1
2	Tearful at the falling of a star: In memory of Professor Brian Morton (10th August 1942 â€“ 28th March) Tj ETQq0 0 0 rgBT /Overlock 10	5.0	2
3	Spatial and temporal variations of trace metal body burdens of live mussels Mytilus galloprovincialis and field validation of the Artificial Mussels in Australian inshore marine environment. Chemosphere, 2020, 248, 126004.	8.2	15
4	Phosphorus flame retardants and Bisphenol A in indoor dust and PM2.5 in kindergartens and primary schools in Hong Kong. Environmental Pollution, 2018, 235, 365-371.	7.5	59
5	Contamination and risk implications of endocrine disrupting chemicals along the coastline of China: A systematic study using mussels and semipermeable membrane devices. Science of the Total Environment, 2018, 624, 1298-1307.	8.0	25
6	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. Environmental Pollution, 2018, 243, 197-205.	7.5	24
7	A novel approach for estimating the removal efficiencies of endocrine disrupting chemicals and heavy metals in wastewater treatment processes. Marine Pollution Bulletin, 2016, 112, 53-57.	5.0	19
8	Monitoring of metal pollution in waterways across Bangladesh and ecological and public health implications of pollution. Chemosphere, 2016, 165, 1-9.	8.2	87
9	Heavy metal contamination along the China coastline: A comprehensive study using Artificial Mussels and native mussels. Journal of Environmental Management, 2016, 180, 238-246.	7.8	12
10	Trace/heavy metal pollution monitoring in estuary and coastal area of Bay of Bengal, Bangladesh and implicated impacts. Marine Pollution Bulletin, 2016, 105, 393-402.	5.0	77
11	Omics of the marine medaka (Oryzias melastigma) and its relevance to marine environmental research. Marine Environmental Research, 2016, 113, 141-152.	2.5	56
12	Silver nanoparticles disrupt regulation of steroidogenesis in fish ovarian cells. Aquatic Toxicology, 2015, 169, 143-151.	4.0	30
13	Transcriptome profiling of larvae of the marine medaka Oryzias melastigma by Illumina RNA-seq. Marine Genomics, 2015, 24, 255-258.	1.1	11
14	Hypoxia disrupts gene modulation along the brainâ€“pituitaryâ€“gonad (BPG)â€“liver axis. Ecotoxicology and Environmental Safety, 2014, 102, 70-78.	6.0	28
15	Regulation of CYP11B1 and CYP11B2 steroidogenic genes by hypoxia-inducible miR-10b in H295R cells. Marine Pollution Bulletin, 2014, 85, 344-351.	5.0	29
16	Interactive effects of hypoxia and PBDE on larval settlement of a marine benthic polychaete. Marine Pollution Bulletin, 2014, 85, 425-432.	5.0	5
17	Label-free detection of endocrine disrupting chemicals by integrating a competitive binding assay with a piezoelectric ceramic resonator. Biosensors and Bioelectronics, 2014, 53, 406-413.	10.1	16
18	PBDE-47 exposure causes gender specific effects on apoptosis and heat shock protein expression in marine medaka, Oryzias melastigma. Aquatic Toxicology, 2014, 147, 57-67.	4.0	13

#	Article	IF	Citations
19	Interactive effects of hypoxia and polybrominated diphenyl ethers (PBDEs) on microbial community assembly in surface marine sediments. Marine Pollution Bulletin, 2014, 85, 400-409.	5.0	9
20	iTRAQ-based proteomic profiling of the marine medaka (Oryzias melastigma) gonad exposed to BDE-47. Marine Pollution Bulletin, 2014, 85, 471-478.	5.0	20
21	Application of the Artificial Mussel for Monitoring Heavy Metal Levels in Seawater of the Coastal Environments, Korea. Journal of the Korean Society for Marine Environment & Energy, 2014, 17, 131-145.	0.2	7
22	Polybrominated diphenyl ethers affect the reproduction and development, and alter the sex ratio of zebrafish (Danio rerio). Environmental Pollution, 2013, 182, 120-126.	7.5	50
23	Polybrominated diphenyl ethers do not affect metamorphosis but alter the proteome of the invasive slipper limpet Crepidula onyx. Marine Pollution Bulletin, 2013, 73, 273-281.	5.0	3
24	A rapid screening test for endocrine disrupting chemicals using primary cell culture of the marine medaka. Aquatic Toxicology, 2013, 144-145, 50-58.	4.0	15
25	Gender-specific transcriptional profiling of marine medaka (Oryzias melastigma) liver upon BDE-47 exposure. Comparative Biochemistry and Physiology Part D: Genomics and Proteomics, 2013, 8, 255-262.	1.0	8
26	Detection of cancer biomarkers by piezoelectric biosensor using PZT ceramic resonator as the transducer. Biosensors and Bioelectronics, 2013, 46, 155-161.	10.1	88
27	Disruption of endocrine function in in vitro H295R cell-based and in in vivo assay in zebrafish by 2,4-dichlorophenol. Aquatic Toxicology, 2012, 106-107, 173-181.	4.0	104
28	Estrogenic potential of benzotriazole on marine medaka (Oryzias melastigma). Ecotoxicology and Environmental Safety, 2012, 80, 327-332.	6.0	86
29	Antioxidant responses and lipid peroxidation in gills and hepatopancreas of the mussel Perna viridis upon exposure to the red-tide organism Chattonella marina and hydrogen peroxide. Harmful Algae, 2012, 13, 40-46.	4.8	18
30	Innovative â€˜Artificial Musselsâ€™ technology for assessing spatial and temporal distribution of metals in Goulburnâ€“Murray catchments waterways, Victoria, Australia: Effects of climate variability (dry vs.) Tj ETQq0 0 0 rg BT /Overlock 10 Tf 5	10.0	36
31	Bioaccumulation and maternal transfer of PBDE 47 in the marine medaka (Oryzias melastigma) following dietary exposure. Aquatic Toxicology, 2011, 103, 199-204.	4.0	42
32	Modulation of steroidogenic gene expression and hormone synthesis in H295R cells exposed to PCP and TCP. Toxicology, 2011, 282, 146-153.	4.2	33
33	Seasonality of bioaccumulation of trace organics and lysosomal integrity in green-lipped mussel Perna viridis. Science of the Total Environment, 2010, 408, 1458-1465.	8.0	15
34	Ethoxyresorufin-O-deethylase enzyme activities and accumulation of secondary/tertiary lysosomes in rabbitfish Siganus oramin as biomarkers for xenobiotic exposures. Science of the Total Environment, 2010, 408, 4833-4840.	8.0	5
35	The use of muscle burden in rabbitfish Siganus oramin for monitoring polycyclic aromatic hydrocarbons and polychlorinated biphenyls in Victoria Harbour, Hong Kong and potential human health risk. Science of the Total Environment, 2009, 407, 4327-4332.	8.0	38
36	Advanced fluorescence in situ hybridization to localize and quantify gene expression in Japanese medaka (<i>Oryzias latipes</i>) exposed to endocrineâ€disrupting compounds. Environmental Toxicology and Chemistry, 2009, 28, 1951-1962.	4.3	17

#	Article	IF	Citations
37	Hexabromocyclododecane-induced developmental toxicity and apoptosis in zebrafish embryos. Aquatic Toxicology, 2009, 93, 29-36.	4.0	240
38	Waterborne exposure to fluorotelomer alcohol 6:2 FTOH alters plasma sex hormone and gene transcription in the hypothalamicâ€"pituitaryâ€"gonadal (HPG) axis of zebrafish. Aquatic Toxicology, 2009, 93, 131-137.	4.0	79
39	Chapter 3 Effects of Hypoxia on Fish Reproduction and Development. Fish Physiology, 2009, 27, 79-141.	0.8	67
40	Field validation, in Scotland and Iceland, of the artificial mussel for monitoring trace metals in temperate seas. Marine Pollution Bulletin, 2008, 57, 790-800.	5.0	34
41	Marine pollution bulletin special issue â€" 5th international conference on marine pollution and ecotoxicology. Marine Pollution Bulletin, 2008, 57, 219-220.	5.0	1
42	Developmental toxicity and alteration of gene expression in zebrafish embryos exposed to PFOS. Toxicology and Applied Pharmacology, 2008, 230, 23-32.	2.8	307
43	Fluorescence in situ hybridization techniques (FISH) to detect changes in CYP19a gene expression of Japanese medaka (Oryzias latipes). Toxicology and Applied Pharmacology, 2008, 232, 226-235.	2.8	26
44	Real-time PCR array to study effects of chemicals on the Hypothalamicâ€"Pituitaryâ€"Gonadal axis of the Japanese medaka. Aquatic Toxicology, 2008, 88, 173-182.	4.0	124
45	Effects of fifteen PBDE metabolites, DE71, DE79 and TBBPA on steroidogenesis in the H295R cell line. Chemosphere, 2008, 71, 1888-1894.	8.2	65
46	Induction of oxidative stress and apoptosis by PFOS and PFOA in primary cultured hepatocytes of freshwater tilapia (Oreochromis niloticus). Aquatic Toxicology, 2007, 82, 135-143.	4.0	289
47	An â€˜artificial musselâ€™ for monitoring heavy metals in marine environments. Environmental Pollution, 2007, 145, 104-110.	7.5	56
48	Hypoxia induces the activation of human hepatic stellate cells LX-2 through TGF-Î² signaling pathway. FEBS Letters, 2007, 581, 203-210.	2.8	72
49	Modulation of steroidogenic gene expression and hormone production of H295R cells by pharmaceuticals and other environmentally active compounds. Toxicology and Applied Pharmacology, 2007, 225, 142-153.	2.8	57
50	EFFECTS OF BROMINATED FLAME RETARDANTS AND BROMINATED DIOXINS ON STEROIDOGENESIS IN H295R HUMAN ADRENOCORTICAL CARCINOMA CELL LINE. Environmental Toxicology and Chemistry, 2007, 26, 764.	4.3	45
51	Effect of hypoxia on RAW264.7 macrophages apoptosis and signaling. Toxicology, 2007, 235, 52-61.	4.2	18
52	Primary cultured cells as sensitive in vitro model for assessment of toxicants-comparison to hepatocytes and gill epithelia. Aquatic Toxicology, 2006, 80, 109-118.	4.0	46
53	The H295R system for evaluation of endocrine-disrupting effects. Ecotoxicology and Environmental Safety, 2006, 65, 293-305.	6.0	86
54	Human adrenocarcinoma (H295R) cells for rapid in vitro determination of effects on steroidogenesis: Hormone production. Toxicology and Applied Pharmacology, 2006, 217, 114-124.	2.8	169

#	Article	IF	Citations
55	Relationships between tissue concentrations of paralytic shellfish toxins and antioxidative responses of clams, Ruditapes philippinarum. Marine Pollution Bulletin, 2006, 52, 572-578.	5.0	31
56	Antioxidant responses and lipid peroxidation in gills and erythrocytes of fish (Rhabdosarga sarba) upon exposure to Chattonella marina and hydrogen peroxide: Implications on the cause of fish kills. Journal of Experimental Marine Biology and Ecology, 2006, 336, 230-241.	1.5	42
57	UPTAKE AND DEPURATION OF PARALYTIC SHELLFISH TOXINS IN THE GREEN-LIPPED MUSSEL, PERNA VIRIDIS: A DYNAMIC MODEL. Environmental Toxicology and Chemistry, 2005, 24, 129.	4.3	33
58	Modeling of depuration of paralytic shellfish toxins in Chlamys nobilis and Perna viridis. Marine Pollution Bulletin, 2005, 50, 474-479.	5.0	7
59	Induction, adaptation and recovery of biological responses: Implications for environmental monitoring. Marine Pollution Bulletin, 2005, 51, 623-634.	5.0	107
60	Cultured gill epithelial cells from tilapia (Oreochromis niloticus): a new in vitro assay for toxicants. Aquatic Toxicology, 2005, 71, 61-72.	4.0	7
61	Paralytic shellfish toxins in green-lipped mussels, Perna viridis, in Hong Kong. Marine Pollution Bulletin, 2003, 46, 258-263.	5.0	33
62	Hypoxia: from molecular responses to ecosystem responses. Marine Pollution Bulletin, 2002, 45, 35-45.	5.0	661
63	DNA Adduct Formation and DNA Strand Breaks in Green-lipped Mussels (Perna viridis) Exposed to Benzo[a]pyrene: Dose- and Time-Dependent Relationships. Marine Pollution Bulletin, 2001, 42, 603-610.	5.0	137
64	Field study on desorption rates of polynuclear aromatic hydrocarbons from contaminated marine sediment. Environmental Toxicology and Chemistry, 2000, 19, 2431-2435.	4.3	16
65	Nuage constituents arising from mitochondria: Is it possible?. Development Growth and Differentiation, 2000, 42, 139-143.	1.5	48
66	Two patterns of flagellum development during spermiogenesis of<i>Diadema setosum</i>and<i>Salmacis bicolor</i>(Echinodermata: Echinoidea). Invertebrate Reproduction and Development, 1999, 35, 147-150.	0.8	1
67	Glucose-6-phosphate dehydrogenase and lactate dehydrogenase in the green-lipped mussel (Perna) Tj ETQq1 1 0.784314 rgBT /Overlo	11.3	64
68	Changes in biochemical composition in the red grouper, Epinephelus akaara (Temminck and Schlegel), and the black sea bream, Mylio macrocephalus (Basilewsky), during hypoxic exposure. Comparative Biochemistry and Physiology A, Comparative Physiology, 1984, 77, 475-482.	0.6	8