

Mathuros Ruchirawat

List of Publications by Year in descending order

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Version: 2024-02-01

45
papers

3,180
citations

279798

23
h-index

233421

45
g-index

48
all docs

48
docs citations

48
times ranked

5191
citing authors

#	ARTICLE	IF	CITATIONS
1	Gut microbiome-mediated bile acid metabolism regulates liver cancer via NKT cells. <i>Science</i> , 2018, 360, .	12.6	931
2	Common Molecular Subtypes Among Asian Hepatocellular Carcinoma and Cholangiocarcinoma. <i>Cancer Cell</i> , 2017, 32, 57-70.e3.	16.8	324
3	Activation of Inflammation/NF- κ B Signaling in Infants Born to Arsenic-Exposed Mothers. <i>PLoS Genetics</i> , 2007, 3, e207.	3.5	227
4	Oxidative DNA damage and inflammatory responses in cultured human cells and in humans exposed to traffic-related particles. <i>International Journal of Hygiene and Environmental Health</i> , 2014, 217, 23-33.	4.3	130
5	Effects of arsenic exposure on DNA methylation in cord blood samples from newborn babies and in a human lymphoblast cell line. <i>Environmental Health</i> , 2012, 11, 31.	4.0	119
6	Gut Microbiome Directs Hepatocytes to Recruit MDSCs and Promote Cholangiocarcinoma. <i>Cancer Discovery</i> , 2021, 11, 1248-1267.	9.4	117
7	Tumor methionine metabolism drives T-cell exhaustion in hepatocellular carcinoma. <i>Nature Communications</i> , 2021, 12, 1455.	12.8	96
8	Effects of low-dose gamma radiation on DNA damage, chromosomal aberration and expression of repair genes in human blood cells. <i>International Journal of Hygiene and Environmental Health</i> , 2006, 209, 503-511.	4.3	91
9	Assessment of potential cancer risk in children exposed to urban air pollution in Bangkok, Thailand. <i>Toxicology Letters</i> , 2007, 168, 200-209.	0.8	91
10	Exposure to genotoxins present in ambient air in Bangkok, Thailand - particle associated polycyclic aromatic hydrocarbons and biomarkers. <i>Science of the Total Environment</i> , 2002, 287, 121-132.	8.0	89
11	Potential health effects of exposure to carcinogenic compounds in incense smoke in temple workers. <i>Chemico-Biological Interactions</i> , 2008, 173, 19-31.	4.0	87
12	Increased health risk in Bangkok children exposed to polycyclic aromatic hydrocarbons from traffic-related sources. <i>Carcinogenesis</i> , 2006, 28, 816-822.	2.8	78
13	Environmental and occupational exposure to benzene in Thailand. <i>Chemico-Biological Interactions</i> , 2005, 153-154, 75-83.	4.0	67
14	Measurement of genotoxic air pollutant exposures in street vendors and school children in and near Bangkok. <i>Toxicology and Applied Pharmacology</i> , 2005, 206, 207-214.	2.8	66
15	Oxidative DNA damage and influence of genetic polymorphisms among urban and rural schoolchildren exposed to benzene. <i>Chemico-Biological Interactions</i> , 2008, 172, 185-194.	4.0	62
16	Exposure assessment of benzene in Thai workers, DNA-repair capacity and influence of genetic polymorphisms. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2007, 626, 79-87.	1.7	59
17	Anti-aromatase effect of resveratrol and melatonin on hormonal positive breast cancer cells co-cultured with breast adipose fibroblasts. <i>Toxicology in Vitro</i> , 2014, 28, 1215-1221.	2.4	56
18	Biomonitoring of benzene and 1,3-butadiene exposure and early biological effects in traffic policemen. <i>Science of the Total Environment</i> , 2010, 408, 4855-4862.	8.0	54

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19	Oxidative DNA damage and repair in children exposed to low levels of arsenic in utero and during early childhood: Application of salivary and urinary biomarkers. <i>Toxicology and Applied Pharmacology</i> , 2013, 273, 569-579.	2.8	45
20	Identifying important life stages for monitoring and assessing risks from exposures to environmental contaminants: Results of a World Health Organization review. <i>Regulatory Toxicology and Pharmacology</i> , 2014, 69, 113-124.	2.7	45
21	Challenge assay: A functional biomarker for exposure-induced DNA repair deficiency and for risk of cancer. <i>International Journal of Hygiene and Environmental Health</i> , 2010, 213, 32-39.	4.3	44
22	Hypomethylation of inflammatory genes (COX2, EGR1, and SOCS3) and increased urinary 8-nitroguanine in arsenic-exposed newborns and children. <i>Toxicology and Applied Pharmacology</i> , 2017, 316, 36-47.	2.8	35
23	Exposure to arsenic in utero is associated with various types of DNA damage and micronuclei in newborns: a birth cohort study. <i>Environmental Health</i> , 2019, 18, 51.	4.0	31
24	Low level occupational exposure to styrene: Its effects on DNA damage and DNA repair. <i>International Journal of Hygiene and Environmental Health</i> , 2011, 214, 127-137.	4.3	23
25	Health risk evaluation in a population exposed to chemical releases from a petrochemical complex in Thailand. <i>Environmental Research</i> , 2017, 152, 207-213.	7.5	23
26	The Combination of Arginine Deprivation and 5-Fluorouracil Improves Therapeutic Efficacy in Argininosuccinate Synthetase Negative Hepatocellular Carcinoma. <i>International Journal of Molecular Sciences</i> , 2017, 18, 1175.	4.1	23
27	Effect of androgens on different breast cancer cells co-cultured with or without breast adipose fibroblasts. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2013, 138, 54-62.	2.5	21
28	Urinary Metabolites Diagnostic and Prognostic of Intrahepatic Cholangiocarcinoma. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2019, 28, 1704-1711.	2.5	15
29	The effects of pyridoxine deficiency and supplementation on hematological profiles, lymphocyte function, and hepatic cytochrome P450 in B ₆ C ₃ F ₁ mice. <i>Journal of Immunotoxicology</i> , 2009, 6, 147-160.	1.7	14
30	Evidence for exposure-induced DNA repair abnormality is indicative of health and genetic risk. <i>International Journal of Hygiene and Environmental Health</i> , 2013, 216, 566-573.	4.3	13
31	Functional Genomic Complexity Defines Intratumor Heterogeneity and Tumor Aggressiveness in Liver Cancer. <i>Scientific Reports</i> , 2019, 9, 16930.	3.3	13
32	Application of the in vivo oxidative stress reporter Hmox1 as mechanistic biomarker of arsenic toxicity. <i>Environmental Pollution</i> , 2021, 270, 116053.	7.5	12
33	Depsidones inhibit aromatase activity and tumor cell proliferation in a co-culture of human primary breast adipose fibroblasts and T47D breast tumor cells. <i>Toxicology Reports</i> , 2017, 4, 165-171.	3.3	9
34	Integration of adeno-associated virus (AAV) into the genomes of most Thai and Mongolian liver cancer patients does not induce oncogenesis. <i>BMC Genomics</i> , 2021, 22, 814.	2.8	9
35	Health Consequences of Environmental Exposures in Early Life: Coping with a Changing World in the Post-MDC Era. <i>Annals of Global Health</i> , 2018, 82, 20.	2.0	8
36	Decreased argininosuccinate synthetase expression in Thai patients with cholangiocarcinoma and the effects of ADI-PEG20 treatment in CCA cell lines. <i>Oncology Letters</i> , 2018, 16, 1529-1538.	1.8	8

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37	Tumor metabolism and associated serum metabolites define prognostic subtypes of Asian hepatocellular carcinoma. <i>Scientific Reports</i> , 2021, 11, 12097.	3.3	8
38	Oxidative metabolism of dimethylnitrosamine: Correlation with toxicity. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 1978, 4, 161-172.	2.3	7
39	Arsenic projects in SE Asia. <i>Reviews on Environmental Health</i> , 2016, 31, 11-2.	2.4	5
40	SAM and folic acid prevent arsenic-induced oxidative and nitrative DNA damage in human lymphoblast cells by modulating expression of inflammatory and DNA repair genes. <i>Chemico-Biological Interactions</i> , 2022, 361, 109965.	4.0	5
41	Modified recombinant human erythropoietin with potentially reduced immunogenicity. <i>Scientific Reports</i> , 2021, 11, 1491.	3.3	4
42	Dichloromethane increases mutagenic DNA damage and transformation ability in cholangiocytes and enhances metastatic potential in cholangiocarcinoma cell lines. <i>Chemico-Biological Interactions</i> , 2021, 346, 109580.	4.0	4
43	Androgen Receptor Expression in Thai Breast Cancer Patients. <i>Medical Sciences (Basel, Switzerland)</i> , 2016, 4, 15.	2.9	3
44	Are existing drinking water sources safe from As contamination in Hanam province, Vietnam?. <i>Geochemical Journal</i> , 2013, 47, 363-368.	1.0	2
45	Pyridoxine deficiency modulates benzene inhalation-induced hematotoxicity associated with hepatic CYP2E1 activity in B6C3F1 mice. <i>Toxicology Reports</i> , 2021, 8, 1607-1615.	3.3	0