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List of Publications by Year in descending order

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Version: 2024-02-01

52
papers

2,166
citations

236925

25
h-index

233421

45
g-index

55
all docs

55
docs citations

55
times ranked

3055
citing authors

#	ARTICLE	IF	CITATIONS
1	Assessing the carcinogenic potential of low-dose exposures to chemical mixtures in the environment: the challenge ahead. <i>Carcinogenesis</i> , 2015, 36, S254-S296.	2.8	239
2	Mutations in ABCD4 cause a new inborn error of vitamin B12 metabolism. <i>Nature Genetics</i> , 2012, 44, 1152-1155.	21.4	191
3	Identification of a putative lysosomal cobalamin exporter altered in the cblF defect of vitamin B12 metabolism. <i>Nature Genetics</i> , 2009, 41, 234-239.	21.4	167
4	Pediatric Exposures to Ionizing Radiation: Carcinogenic Considerations. <i>International Journal of Environmental Research and Public Health</i> , 2016, 13, 1057.	2.6	129
5	Effects of ionizing radiation on DNA methylation: from experimental biology to clinical applications. <i>International Journal of Radiation Biology</i> , 2017, 93, 457-469.	1.8	128
6	Response of transposable elements to environmental stressors. <i>Mutation Research - Reviews in Mutation Research</i> , 2015, 765, 19-39.	5.5	112
7	<i>In vivo</i> epigenetic effects induced by engineered nanomaterials: A case study of copper oxide and laser printer-emitted engineered nanoparticles. <i>Nanotoxicology</i> , 2016, 10, 629-639.	3.0	83
8	Short-term exposure to engineered nanomaterials affects cellular epigenome. <i>Nanotoxicology</i> , 2016, 10, 1-11.	3.0	82
9	Effects of Laser Printer-Emitted Engineered Nanoparticles on Cytotoxicity, Chemokine Expression, Reactive Oxygen Species, DNA Methylation, and DNA Damage: A Comprehensive <i>In Vitro</i> Analysis in Human Small Airway Epithelial Cells, Macrophages, and Lymphoblasts. <i>Environmental Health Perspectives</i> , 2016, 124, 210-219.	6.0	64
10	Exposure to Low-Dose ⁵⁶ Fe-Ion Radiation Induces Long-Term Epigenetic Alterations in Mouse Bone Marrow Hematopoietic Progenitor and Stem Cells. <i>Radiation Research</i> , 2014, 182, 92.	1.5	58
11	The Fine LINE: Methylation Drawing the Cancer Landscape. <i>BioMed Research International</i> , 2015, 2015, 1-8.	1.9	55
12	Radiation-induced changes in DNA methylation of repetitive elements in the mouse heart. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2016, 787, 43-53.	1.0	49
13	Interactions between TonB from <i>Escherichia coli</i> and the Periplasmic Protein FhuD. <i>Journal of Biological Chemistry</i> , 2006, 281, 35413-35424.	3.4	47
14	Short-term dietary methionine supplementation affects one-carbon metabolism and DNA methylation in the mouse gut and leads to altered microbiome profiles, barrier function, gene expression and histomorphology. <i>Genes and Nutrition</i> , 2017, 12, 22.	2.5	47
15	Clinical and Molecular Heterogeneity in Patients with the CblD Inborn Error of Cobalamin Metabolism. <i>Journal of Pediatrics</i> , 2009, 154, 551-556.	1.8	44
16	Effects of intratracheally instilled laser printer-emitted engineered nanoparticles in a mouse model: A case study of toxicological implications from nanomaterials released during consumer use. <i>NanoImpact</i> , 2016, 1, 1-8.	4.5	41
17	MicroRNAs as biomarkers for liver injury: Current knowledge, challenges and future prospects. <i>Food and Chemical Toxicology</i> , 2017, 110, 229-239.	3.6	41
18	The impact of low-dose carcinogens and environmental disruptors on tissue invasion and metastasis. <i>Carcinogenesis</i> , 2015, 36, S128-S159.	2.8	40

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19	Epigenetic alterations induced by ambient particulate matter in mouse macrophages. <i>Environmental and Molecular Mutagenesis</i> , 2014, 55, 428-435.	2.2	36
20	Long-term epigenetic effects of exposure to low doses of ⁵⁶ Fe in the mouse lung. <i>Journal of Radiation Research</i> , 2014, 55, 823-828.	1.6	34
21	Sex-Specific Effects of Dietary Methionine Restriction on the Intestinal Microbiome. <i>Nutrients</i> , 2020, 12, 781.	4.1	31
22	<i>In Vitro</i> Toxicity and Epigenotoxicity of Different Types of Ambient Particulate Matter. <i>Toxicological Sciences</i> , 2015, 148, 473-487.	3.1	29
23	Densely ionizing radiation affects DNA methylation of selective LINE-1 elements. <i>Environmental Research</i> , 2016, 150, 470-481.	7.5	28
24	Inter-Strain Differences in LINE-1 DNA Methylation in the Mouse Hematopoietic System in Response to Exposure to Ionizing Radiation. <i>International Journal of Molecular Sciences</i> , 2017, 18, 1430.	4.1	28
25	Structural features of recombinant MMADHC isoforms and their interactions with MMACHC, proteins of mammalian vitamin B12 metabolism. <i>Molecular Genetics and Metabolism</i> , 2012, 107, 352-362.	1.1	27
26	A priming dose of protons alters the early cardiac cellular and molecular response to ⁵⁶ Fe irradiation. <i>Life Sciences in Space Research</i> , 2016, 8, 8-13.	2.3	27
27	Modulation of dietary methionine intake elicits potent, yet distinct, anticancer effects on primary versus metastatic tumors. <i>Carcinogenesis</i> , 2018, 39, 1117-1126.	2.8	24
28	Dose-response analysis of epigenetic, metabolic, and apical endpoints after short-term exposure to experimental hepatotoxicants. <i>Food and Chemical Toxicology</i> , 2017, 109, 690-702.	3.6	21
29	Effects of low-dose oxygen ions and protons on cardiac function and structure in male C57BL/6J mice. <i>Life Sciences in Space Research</i> , 2019, 20, 72-84.	2.3	20
30	One-carbon metabolism and ionizing radiation: a multifaceted interaction. <i>Biomolecular Concepts</i> , 2017, 8, 83-92.	2.2	19
31	Novel splice site mutations and a large deletion in three patients with the cblF inborn error of vitamin B12 metabolism. <i>Molecular Genetics and Metabolism</i> , 2011, 102, 505-507.	1.1	18
32	Safety assessment of the dietary supplement OxyELITE [®] , Pro (New Formula) in inbred and outbred mouse strains. <i>Food and Chemical Toxicology</i> , 2017, 109, 194-209.	3.6	18
33	Decaffeinated Green Tea Extract Does Not Elicit Hepatotoxic Effects and Modulates the Gut Microbiome in Lean B6C3F1 Mice. <i>Nutrients</i> , 2019, 11, 776.	4.1	17
34	Combined exposure to protons and ⁵⁶ Fe leads to overexpression of Il13 and reactivation of repetitive elements in the mouse lung. <i>Life Sciences in Space Research</i> , 2015, 7, 1-8.	2.3	16
35	Methionine dietary supplementation potentiates ionizing radiation-induced gastrointestinal syndrome. <i>American Journal of Physiology - Renal Physiology</i> , 2020, 318, G439-G450.	3.4	14
36	Effects of Gamma-Tocotrienol on Intestinal Injury in a GI-Specific Acute Radiation Syndrome Model in Nonhuman Primate. <i>International Journal of Molecular Sciences</i> , 2022, 23, 4643.	4.1	14

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37	Cobalamin F Disease Detected by Newborn Screening and Follow-up on a 14-Year-Old Patient. <i>Pediatrics</i> , 2011, 128, e1636-e1640.	2.1	13
38	Changes in one-carbon metabolism and DNA methylation in the hearts of mice exposed to space environment-relevant doses of oxygen ions (16O). <i>Life Sciences in Space Research</i> , 2019, 22, 8-15.	2.3	13
39	Differences in cell death in methionine versus cysteine depletion. <i>Environmental and Molecular Mutagenesis</i> , 2021, 62, 216-226.	2.2	13
40	Clinical, Biochemical, and Molecular Presentation in a Patient with the cblD-Homocystinuria Inborn Error of Cobalamin Metabolism. <i>JIMD Reports</i> , 2014, 17, 77-81.	1.5	12
41	Feeding soy protein isolate and treatment with estradiol have different effects on mammary gland morphology and gene expression in weanling male and female rats. <i>Physiological Genomics</i> , 2013, 45, 1072-1083.	2.3	11
42	Mammary gland morphology and gene expression signature of weanling male and female rats following exposure to exogenous estradiol. <i>Experimental Biology and Medicine</i> , 2013, 238, 1033-1046.	2.4	9
43	DNA Methylation in Radiation-Induced Carcinogenesis: Experimental Evidence and Clinical Perspectives. <i>Critical Reviews in Oncogenesis</i> , 2018, 23, 1-11.	0.4	8
44	Impact of obesity on the toxicity of a multi-ingredient dietary supplement, OxyELITE Pro® (New). <i>Food and Chemical Toxicology</i> , 2018, 122, 21-32.	3.6	6
45	NZO/HLtj as a novel model for the studies on the role of metabolic syndrome in acute radiation toxicity. <i>International Journal of Radiation Biology</i> , 2020, 96, 93-99.	1.8	5
46	Dietary Methionine Deficiency Enhances Genetic Instability in Murine Immune Cells. <i>International Journal of Molecular Sciences</i> , 2021, 22, 2378.	4.1	4
47	Analysis of the Ambient Particulate Matter-induced Chromosomal Aberrations Using an In Vitro System. <i>Journal of Visualized Experiments</i> , 2016, , .	0.3	3
48	Soy Formula Is Not Estrogenic and Does Not Result in Reproductive Toxicity in Male Piglets: Results from a Controlled Feeding Study. <i>Nutrients</i> , 2022, 14, 1126.	4.1	3
49	Trace element status and zinc homeostasis differ in breast and formula-fed piglets. <i>Experimental Biology and Medicine</i> , 2015, 240, 58-66.	2.4	0
50	Reply to Flugge: the anti-metastatic potential of methionine restriction in melanoma. <i>Carcinogenesis</i> , 2020, 41, 390-391.	2.8	0
51	32219 Differences in cell death in methionine versus cysteine depletion. <i>Journal of Clinical and Translational Science</i> , 2021, 5, 10-11.	0.6	0
52	Plasma Metabolomics in a Nonhuman Primate Model of Abdominal Radiation Exposure. <i>Metabolites</i> , 2021, 11, 540.	2.9	0