

Vinita Chauhan

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

407
citations

623574

14
h-index

794469

19
g-index

30
all docs

30
docs citations

30
times ranked

389
citing authors

#	ARTICLE	IF	CITATIONS
1	Identification of gene-based responses in human blood cells exposed to alpha particle radiation. BMC Medical Genomics, 2014, 7, 43.	0.7	30
2	Effects of alpha particle radiation on gene expression in human pulmonary epithelial cells. International Journal of Hygiene and Environmental Health, 2012, 215, 522-535.	2.1	27
3	Transcriptional benchmark dose modeling: Exploring how advances in chemical risk assessment may be applied to the radiation field. Environmental and Molecular Mutagenesis, 2016, 57, 589-604.	0.9	26
4	Is there a role for the adverse outcome pathway framework to support radiation protection?. International Journal of Radiation Biology, 2019, 95, 225-232.	1.0	22
5	A case example of a radiation-relevant adverse outcome pathway to lung cancer. International Journal of Radiation Biology, 2021, 97, 68-84.	1.0	20
6	Expert consultation is vital for adverse outcome pathway development: a case example of cardiovascular effects of ionizing radiation. International Journal of Radiation Biology, 2021, 97, 1-10.	1.0	20
7	Gene expression responses in human lung fibroblasts exposed to alpha particle radiation. Toxicology in Vitro, 2014, 28, 1222-1229.	1.1	19
8	A comprehensive review of the literature on the biological effects from dental X-ray exposures. International Journal of Radiation Biology, 2019, 95, 107-119.	1.0	19
9	Development and characterization of an <i>in vitro</i> alpha radiation exposure system. Physics in Medicine and Biology, 2011, 56, 3645-3658.	1.6	18
10	Oxidative and nitrative stress-related changes in human lens epithelial cells following exposure to X-rays. International Journal of Radiation Biology, 2018, 94, 366-373.	1.0	17
11	The integration of the adverse outcome pathway framework to radiation risk assessment. International Journal of Radiation Biology, 2021, 97, 60-67.	1.0	17
12	Adverse outcome pathway: a path toward better data consolidation and global co-ordination of radiation research. International Journal of Radiation Biology, 2021, , 1-10.	1.0	17
13	Raman micro-spectroscopy analysis of human lens epithelial cells exposed to a low-dose-range of ionizing radiation. Physics in Medicine and Biology, 2018, 63, 025002.	1.6	16
14	Bringing together scientific disciplines for collaborative undertakings: a vision for advancing the adverse outcome pathway framework. International Journal of Radiation Biology, 2021, 97, 431-441.	1.0	15
15	Differential Effects of Alpha-Particle Radiation and X-Irradiation on Genes Associated with Apoptosis. Radiology Research and Practice, 2011, 2011, 1-9.	0.6	14
16	The use of <i>in vitro</i> transcriptional data to identify thresholds of effects in a human lens epithelial cell-line exposed to ionizing radiation. International Journal of Radiation Biology, 2019, 95, 156-169.	1.0	14
17	Development of a flow cell based Raman spectroscopy technique to overcome photodegradation in human blood. Biomedical Optics Express, 2019, 10, 2275.	1.5	14
18	<i>AOP</i> report: Development of an adverse outcome pathway for oxidative DNA damage leading to mutations and chromosomal aberrations. Environmental and Molecular Mutagenesis, 2022, 63, 118-134.	0.9	14

#	ARTICLE	IF	CITATIONS
19	Genomic Profiling of a Human Leukemic Monocytic Cell-Line (THP-1) Exposed to Alpha Particle Radiation. <i>Scientific World Journal, The</i> , 2012, 2012, 1-8.	0.8	10
20	The application of transcriptional benchmark dose modeling for deriving thresholds of effects associated with solar-simulated ultraviolet radiation exposure. <i>Environmental and Molecular Mutagenesis</i> , 2018, 59, 502-515.	0.9	10
21	Collaborative efforts are needed among the scientific community to advance the adverse outcome pathway concept in areas of radiation risk assessment. <i>International Journal of Radiation Biology</i> , 2021, 97, 815-823.	1.0	10
22	Establishing a communication and engagement strategy to facilitate the adoption of the adverse outcome pathways in radiation research and regulation. <i>International Journal of Radiation Biology</i> , 2022, 98, 1714-1721.	1.0	9
23	Transcriptional and Secretomic Profiling of Epidermal Cells Exposed to Alpha Particle Radiation. <i>The Open Biochemistry Journal</i> , 2012, 6, 103-115.	0.3	7
24	A Comparative Assessment of Cytokine Expression in Human-Derived Cell Lines Exposed to Alpha Particles and X-Rays. <i>Scientific World Journal, The</i> , 2012, 2012, 1-9.	0.8	5
25	In vitro exposure of human lens epithelial cells to X-rays at varied dose-rates leads to protein-level changes relevant to cataractogenesis. <i>International Journal of Radiation Biology</i> , 2021, 97, 824-832.	1.0	4
26	Challenges in the quantification approach to a radiation relevant adverse outcome pathway for lung cancer. <i>International Journal of Radiation Biology</i> , 2021, 97, 85-101.	1.0	4
27	Meta-analysis of transcriptomic datasets using benchmark dose modeling shows value in supporting radiation risk assessment. <i>International Journal of Radiation Biology</i> , 2021, 97, 31-49.	1.0	3
28	Summary of the Second Bill Morgan Memorial Symposium: an update on low dose biology, epidemiology, its integration and implications for radiation protection. <i>International Journal of Radiation Biology</i> , 2021, 97, 861-865.	1.0	2
29	COHERE – strengthening cooperation within the Canadian government on radiation research. <i>International Journal of Radiation Biology</i> , 2021, 97, 1153-1165.	1.0	2
30	A Case Study on Integrating a New Key Event Into an Existing Adverse Outcome Pathway on Oxidative DNA Damage: Challenges and Approaches in a Data-Rich Area. <i>Frontiers in Toxicology</i> , 2022, 4, 827328.	1.6	2