

Chiara Urani

List of Publications by Year in descending order

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52
papers

879
citations

430874

18
h-index

501196

28
g-index

52
all docs

52
docs citations

52
times ranked

1281
citing authors

#	ARTICLE	IF	CITATIONS
1	Overexpression of HSP70 is induced by ionizing radiation in C3H 10T1/2 cells and protects from DNA damage. <i>Toxicology in Vitro</i> , 2003, 17, 561-566.	2.4	76
2	Whole genome analysis and microRNAs regulation in HepG2 cells exposed to cadmium. <i>ALTEX: Alternatives To Animal Experimentation</i> , 2012, 29, 173-182.	1.5	60
3	Human-derived cell lines to study xenobiotic metabolism. <i>Chemosphere</i> , 1998, 37, 2785-2795.	8.2	44
4	Comet assay evaluation of DNA single- and double-strand breaks induction and repair in C3H10T1/2 cells. <i>Cell Biology and Toxicology</i> , 2002, 18, 369-379.	5.3	43
5	Impact of zinc oxide nanoparticles on an in vitro model of the human air-blood barrier. <i>Toxicology Letters</i> , 2017, 279, 22-32.	0.8	42
6	Neuronal specific and non-specific responses to cadmium possibly involved in neurodegeneration: A toxicogenomics study in a human neuronal cell model. <i>NeuroToxicology</i> , 2020, 76, 162-173.	3.0	41
7	In vitro-to-in vivo correlation of the skin penetration, liver clearance and hepatotoxicity of caffeine. <i>Food and Chemical Toxicology</i> , 2015, 75, 39-49.	3.6	40
8	DNA-binding protects p53 from interactions with cofactors involved in transcription-independent functions. <i>Nucleic Acids Research</i> , 2016, 44, gkw770.	14.5	40
9	Cytotoxicity and induction of protective mechanisms in HepG2 cells exposed to cadmium. <i>Toxicology in Vitro</i> , 2005, 19, 887-892.	2.4	37
10	Copper and zinc uptake and hsp70 expression in HepG2 cells. <i>Toxicology in Vitro</i> , 2001, 15, 497-502.	2.4	36
11	Autophagy of metallothioneins prevents TNF-induced oxidative stress and toxicity in hepatoma cells. <i>Autophagy</i> , 2015, 11, 2184-2198.	9.1	34
12	Benomyl affects the microtubule cytoskeleton and the glutathione level of mammalian primary cultured hepatocytes. <i>Toxicology Letters</i> , 1995, 76, 135-144.	0.8	32
13	Metallothionein and hsp70 expression in HepG2 cells after prolonged cadmium exposure. <i>Toxicology in Vitro</i> , 2007, 21, 314-319.	2.4	30
14	Impact of Cadmium on Intracellular Zinc Levels in HepG2 Cells: Quantitative Evaluations and Molecular Effects. <i>BioMed Research International</i> , 2015, 2015, 1-10.	1.9	27
15	Regulation of metallothioneins and ZnT-1 transporter expression in human hepatoma cells HepG2 exposed to zinc and cadmium. <i>Toxicology in Vitro</i> , 2010, 24, 370-374.	2.4	26
16	Application of physiologically-based toxicokinetic modelling in oral-to-dermal extrapolation of threshold doses of cosmetic ingredients. <i>Toxicology Letters</i> , 2014, 227, 189-202.	0.8	23
17	Image analysis and automatic classification of transformed foci. <i>Journal of Microscopy</i> , 2009, 234, 269-279.	1.8	22
18	Different induction of metallothioneins and Hsp70 and presence of the membrane transporter ZnT-1 in HepG2 cells exposed to copper and zinc. <i>Toxicology in Vitro</i> , 2003, 17, 553-559.	2.4	21

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19	1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine (MPTP) affects the actin cytoskeleton and calcium level of Swiss 3T3 mouse fibroblasts. <i>Toxicology</i> , 1994, 91, 117-126.	4.2	16
20	Metal(loid)s role in the pathogenesis of amyotrophic lateral sclerosis: Environmental, epidemiological, and genetic data. <i>Environmental Research</i> , 2021, 192, 110292.	7.5	16
21	Cadmium-transformed cells in the in vitro cell transformation assay reveal different proliferative behaviours and activated pathways. <i>Toxicology in Vitro</i> , 2016, 36, 71-80.	2.4	14
22	Molecular approaches to evaluate pollutants. <i>Chemosphere</i> , 1998, 37, 2717-2738.	8.2	13
23	Objective scoring of transformed foci in BALB/c 3T3 cell transformation assay by statistical image descriptors. <i>Toxicology in Vitro</i> , 2013, 27, 1905-1912.	2.4	11
24	The acute effects of daily nicotine intake on heart rate – A toxicokinetic and toxicodynamic modelling study. <i>Regulatory Toxicology and Pharmacology</i> , 2014, 70, 312-324.	2.7	11
25	In Vitro Biological Systems as Models to Evaluate the Toxicity of Pesticides. <i>International Journal of Environmental Analytical Chemistry</i> , 1996, 65, 153-167.	3.3	10
26	In vitro and bioinformatics mechanistic-based approach for cadmium carcinogenicity understanding. <i>Toxicology in Vitro</i> , 2020, 65, 104757.	2.4	10
27	Modulation of different stress pathways after styrene and styrene-7,8-oxide exposure in HepG2 cell line and normal human hepatocytes. <i>Journal of Applied Toxicology</i> , 2006, 26, 317-325.	2.8	9
28	Cadmium promotes glycolysis upregulation and glutamine dependency in human neuronal cells. <i>Neurochemistry International</i> , 2021, 149, 105144.	3.8	9
29	Methodological Protocol for Assessing the Environmental Footprint by Means of Ecotoxicological Tools: Wastewater Treatment Plants as an Example Case. <i>Methods in Pharmacology and Toxicology</i> , 2020, , 305-327.	0.2	9
30	Nanoplastics: Status and Knowledge Gaps in the Finalization of Environmental Risk Assessments. <i>Toxics</i> , 2022, 10, 270.	3.7	8
31	Toxicogenomics applied to in vitro Cell Transformation Assay reveals mechanisms of early response to cadmium. <i>Toxicology in Vitro</i> , 2018, 48, 232-243.	2.4	7
32	Quantitative kinetics of damage and recovery of cytoskeletal structure by means of image analysis. <i>Toxicology in Vitro</i> , 2005, 19, 935-941.	2.4	6
33	An improved classification of foci for carcinogenicity testing by statistical descriptors. <i>Toxicology in Vitro</i> , 2015, 29, 1839-1850.	2.4	6
34	A comprehensive statistical classifier of foci in the cell transformation assay for carcinogenicity testing. <i>Toxicology in Vitro</i> , 2017, 45, 351-358.	2.4	6
35	Is Cadmium Toxicity Tissue-Specific? Toxicogenomics Studies Reveal Common and Specific Pathways in Pulmonary, Hepatic, and Neuronal Cell Models. <i>International Journal of Molecular Sciences</i> , 2022, 23, 1768.	4.1	6
36	A cytoskeletal injury classifier based on spectrum enhancement and data fusion. , 2004, , .		5

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37	Classifying structural alterations of the cytoskeleton by spectrum enhancement and descriptor fusion. <i>Journal of Biomedical Optics</i> , 2006, 11, 024020.	2.6	5
38	The Cell Transformation Assay: Toward a Statistical Classification of Mixed and Intermediate Foci Images. <i>ATLA Alternatives To Laboratory Animals</i> , 2011, 39, 23-36.	1.0	5
39	Superoxide dismutase 1 (SOD1) and cadmium: A three models approach to the comprehension of its neurotoxic effects. <i>NeuroToxicology</i> , 2021, 84, 125-135.	3.0	5
40	Use of alternative methods: From fundamental to industrial research. <i>ALTEX: Alternatives To Animal Experimentation</i> , 2019, 36, 320-321.	1.5	4
41	Cellular and Molecular Targets of Benzo[a]pyrene and Metal Toxicity in <i>Xenopus laevis</i> Embryos and in Hep G2 Cells. <i>ATLA Alternatives To Laboratory Animals</i> , 1999, 27, 325-337.	1.0	3
42	Fourier and fractal analysis of cytoskeletal morphology altered by xenobiotics. , 2003, , .		3
43	Estimating structural damage of the cytoskeleton by means of morphological descriptors. , 2004, , .		2
44	Insights into Cadmium-Induced Carcinogenesis through an In Vitro Study Using C3H10T1/2Cl8 Cells: The Multifaceted Role of Mitochondria. <i>International Journal of Molecular Sciences</i> , 2021, 22, 10837.	4.1	2
45	Brush border and cell adhesion of insect enterocytes have basic similarities with those of vertebrates. <i>Bollettino Di Zoologia</i> , 1993, 60, 407-415.	0.3	1
46	Quantitative morphology of cytoskeletal organization: new classifier architectures and applications. , 2005, 5699, 373.		1
47	Response of cytoskeletal microtubule organization to a xenobiotic estimated from image classification. , 2006, , .		1
48	A two-stage morphological classifier of foci occurring in cell transformation assays. <i>Proceedings of SPIE</i> , 2009, , .	0.8	1
49	Automated image classification applied to reconstituted human corneal epithelium for the early detection of toxic damage. <i>Proceedings of SPIE</i> , 2010, , .	0.8	0
50	Image classifiers for the cell transformation assay: a progress report. <i>Proceedings of SPIE</i> , 2010, , .	0.8	0
51	Relationship between increasing concentrations of two carcinogens and statistical image descriptors offocimorphology in the cell transformation assay. <i>Journal of Applied Toxicology</i> , 2017, 37, 709-720.	2.8	0
52	Models on liver: alternative methods in hepatotoxicity. <i>ALTEX: Alternatives To Animal Experimentation</i> , 2015, 32, 228-229.	1.5	0