

Maciej Stepnik

List of Publications by Year in descending order

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73
papers

1,584
citations

331670

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76
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76
docs citations

76
times ranked

2390
citing authors

#	ARTICLE	IF	CITATIONS
1	Reproducible Comet Assay of Amorphous Silica Nanoparticles Detects No Genotoxicity. <i>Nano Letters</i> , 2008, 8, 3069-3074.	9.1	202
2	Variation in the measurement of DNA damage by comet assay measured by the ECVAG inter-laboratory validation trial. <i>Mutagenesis</i> , 2010, 25, 113-123.	2.6	155
3	An ECVAG trial on assessment of oxidative damage to DNA measured by the comet assay. <i>Mutagenesis</i> , 2010, 25, 125-132.	2.6	99
4	Inter-laboratory variation in DNA damage using a standard comet assay protocol. <i>Mutagenesis</i> , 2012, 27, 665-672.	2.6	79
5	An ECVAG inter-laboratory validation study of the comet assay: inter-laboratory and intra-laboratory variations of DNA strand breaks and FPG-sensitive sites in human mononuclear cells. <i>Mutagenesis</i> , 2013, 28, 279-286.	2.6	78
6	Inter-laboratory comparison of nanoparticle size measurements using dynamic light scattering and differential centrifugal sedimentation. <i>NanoImpact</i> , 2018, 10, 97-107.	4.5	59
7	The SCCS Notes of Guidance for the testing of cosmetic ingredients and their safety evaluation, 11th revision, 30 March 2021, SCCS/1628/21. <i>Regulatory Toxicology and Pharmacology</i> , 2021, 127, 105052.	2.7	55
8	Genotoxicity of synthetic amorphous silica nanoparticles in rats following short-term exposure, part 2: Intratracheal instillation and intravenous injection. <i>Environmental and Molecular Mutagenesis</i> , 2015, 56, 228-244.	2.2	48
9	Micronucleus frequency in peripheral blood lymphocytes and buccal mucosa cells of copper smelter workers, with special regard to arsenic exposure. <i>International Archives of Occupational and Environmental Health</i> , 2007, 80, 371-380.	2.3	40
10	Applications and Biological Activity of Nanoparticles of Manganese and Manganese Oxides in In Vitro and In Vivo Models. <i>Nanomaterials</i> , 2021, 11, 1084.	4.1	38
11	DNA damage in leukocytes of workers occupationally exposed to arsenic in copper smelters. <i>Environmental and Molecular Mutagenesis</i> , 2005, 46, 81-87.	2.2	36
12	A study on the in vitro percutaneous absorption of silver nanoparticles in combination with aluminum chloride, methyl paraben or di-n-butyl phthalate. <i>Toxicology Letters</i> , 2017, 272, 38-48.	0.8	34
13	Variation of DNA damage levels in peripheral blood mononuclear cells isolated in different laboratories. <i>Mutagenesis</i> , 2014, 29, 241-249.	2.6	30
14	Increased incidence of micronuclei assessed with the micronucleus assay and the fluorescence in situ hybridization (FISH) technique in peripheral blood lymphocytes of nurses exposed to nitrous oxide. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2005, 581, 1-9.	1.7	29
15	Comparison of the effects of arsenic and cadmium on benzo(a)pyrene-induced micronuclei in mouse bone-marrow. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2007, 632, 37-43.	1.7	29
16	Genotoxicity of alcohol is linked to DNA replication-associated damage and homologous recombination repair. <i>Carcinogenesis</i> , 2013, 34, 325-330.	2.8	29
17	Cytotoxic effects in 3T3-L1 mouse and WI-38 human fibroblasts following 72hour and 7day exposures to commercial silica nanoparticles. <i>Toxicology and Applied Pharmacology</i> , 2012, 263, 89-101.	2.8	27
18	Effects of microcystins-containing cyanobacteria from a temperate ecosystem on human lymphocytes culture and their potential for adverse human health effects. <i>Harmful Algae</i> , 2011, 10, 356-365.	4.8	25

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19	Prediction of the contact sensitizing potential of chemicals using analysis of gene expression changes in human THP-1 monocytes. <i>Toxicology Letters</i> , 2010, 199, 51-59.	0.8	23
20	Biological effects of molybdenum compounds in nanosized forms under <i>in vitro</i> and <i>in vivo</i> conditions. <i>International Journal of Occupational Medicine and Environmental Health</i> , 2020, 33, 1-19.	1.3	23
21	Potential of arsenic trioxide cytotoxicity by Parthenolide and buthionine sulfoximine in murine and human leukemic cells. <i>Cancer Chemotherapy and Pharmacology</i> , 2008, 61, 727-737.	2.3	20
22	Development of the "Cell Chip": a new <i>in vitro</i> alternative technique for immunotoxicity testing. <i>Toxicology</i> , 2005, 206, 245-256.	4.2	19
23	Genotoxic effects in transformed and non-transformed human breast cell lines after exposure to silver nanoparticles in combination with aluminium chloride, butylparaben or di-n-butylphthalate. <i>Toxicology in Vitro</i> , 2017, 45, 181-193.	2.4	19
24	Effect of particle size and dispersion status on cytotoxicity and genotoxicity of zinc oxide in human bronchial epithelial cells. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2016, 805, 7-18.	1.7	17
25	Assessment of the protective effects of selected dietary anticarcinogens against DNA damage and cytogenetic effects induced by benzo[a]pyrene in C57BL/6J mice. <i>Food and Chemical Toxicology</i> , 2011, 49, 1674-1683.	3.6	16
26	DNA damage and oxidative stress response to selenium yeast in the non-smoking individuals: a short-term supplementation trial with respect to GPX1 and SEPP1 polymorphism. <i>European Journal of Nutrition</i> , 2016, 55, 2469-2484.	4.6	15
27	Cytotoxic effects in transformed and non-transformed human breast cell lines after exposure to silver nanoparticles in combination with selected aluminium compounds, parabens or phthalates. <i>Journal of Hazardous Materials</i> , 2020, 392, 122442.	12.4	15
28	Modulation of Murine Peritoneal Macrophage Function by Chronic Exposure to Arsenate in Drinking Water. <i>Immunopharmacology and Immunotoxicology</i> , 2005, 27, 315-330.	2.4	14
29	The inflammatory response in lungs of rats exposed on the airborne particles collected during different seasons in four European cities. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2011, 46, 1469-1481.	1.7	14
30	Inhibitory effect of silver nanoparticles on proliferation of estrogen-dependent MCF-7/BUS human breast cancer cells induced by butyl paraben or di-n-butyl phthalate. <i>Toxicology and Applied Pharmacology</i> , 2017, 337, 12-21.	2.8	13
31	Genotoxic Effects in C57Bl/6J Mice Chronically Exposed to Arsenate in Drinking Water and Modulation of the Effects by Low-Selenium Diet. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2006, 69, 1843-1860.	2.3	12
32	A strategy for <i>in vitro</i> safety testing of nanotitania-modified textile products. <i>Journal of Hazardous Materials</i> , 2013, 256-257, 67-75.	12.4	12
33	Evaluation of biological effects of nanomaterials. Part I. Cyto- and genotoxicity of nanosilver composites applied in textile technologies. <i>International Journal of Occupational Medicine and Environmental Health</i> , 2011, 24, 348-58.	1.3	11
34	The effects of hexachloronaphthalene on selected parameters of heme biosynthesis and systemic toxicity in female wistar rats after 90-day oral exposure. <i>Environmental Toxicology</i> , 2018, 33, 695-705.	4.0	11
35	Improving Quality in Nanoparticle-Induced Cytotoxicity Testing by a Tiered Inter-Laboratory Comparison Study. <i>Nanomaterials</i> , 2020, 10, 1430.	4.1	11
36	Dysregulation of Redox Status in Urinary Bladder Cancer Patients. <i>Cancers</i> , 2020, 12, 1296.	3.7	11

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37	The SCCS guidance on the safety assessment of nanomaterials in cosmetics. <i>Regulatory Toxicology and Pharmacology</i> , 2020, 112, 104611.	2.7	10
38	Dysregulation of markers of oxidative stress and DNA damage among nail technicians despite low exposure to volatile organic compounds. <i>Scandinavian Journal of Work, Environment and Health</i> , 2015, 41, 579-593.	3.4	10
39	Assessment of Apoptosis in Thymocytes and Splenocytes from Mice Exposed to Arsenate in Drinking Water: Cytotoxic Effects of Arsenate on the Cells In Vitro. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2005, 40, 369-384.	1.7	9
40	Characterization of arsenic trioxide resistant clones derived from Jurkat leukemia T cell line: Focus on PI3K/Akt signaling pathway. <i>Chemico-Biological Interactions</i> , 2013, 205, 198-211.	4.0	9
41	Cytotoxicity of anticancer drugs and PJ-34 (poly(ADP-ribose)polymerase-1 (PARP-1) inhibitor) on HL-60 and Jurkat cells. <i>Advances in Clinical and Experimental Medicine</i> , 2017, 26, 379-385.	1.4	9
42	Transcriptomic analysis of the PI3K/Akt signaling pathway reveals the dual role of the c-Jun oncogene in cytotoxicity and the development of resistance in HL-60 leukemia cells in response to arsenic trioxide. <i>Advances in Clinical and Experimental Medicine</i> , 2017, 26, 1335-1342.	1.4	9
43	Micronuclei frequency in peripheral blood lymphocytes and levels of anti-p53 autoantibodies in serum of residents of Kowary city regions (Poland) with elevated indoor concentrations of radon. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2019, 838, 67-75.	1.7	8
44	Assessment of acute toxicological effects of molybdenum(IV) disulfide nano- and microparticles after single intratracheal administration in rats. <i>Science of the Total Environment</i> , 2020, 742, 140545.	8.0	8
45	Comparative analysis of biological effects of molybdenum(IV) sulfide in the form of nano- and microparticles on human hepatoma HepG2 cells grown in 2D and 3D models. <i>Toxicology in Vitro</i> , 2020, 68, 104931.	2.4	8
46	Molecular events associated with dendritic cells activation by contact sensitizers. <i>International Journal of Occupational Medicine and Environmental Health</i> , 2003, 16, 191-9.	1.3	8
47	Assessment of usefulness of J774A.1 macrophages for the assay of IL-1 β promoter activity. <i>Toxicology in Vitro</i> , 2006, 20, 109-116.	2.4	7
48	Interleukin-1 β expression in murine J774A.1 macrophages exposed to platinum compounds: The role of p38 and ERK 1/2 mitogen-activated protein kinases. <i>Toxicology in Vitro</i> , 2007, 21, 371-379.	2.4	7
49	The modulating effect of ATM, ATR, DNA-PK inhibitors on the cytotoxicity and genotoxicity of benzo[a]pyrene in human hepatocellular cancer cell line HepG2. <i>Environmental Toxicology and Pharmacology</i> , 2015, 40, 988-996.	4.0	7
50	Carcinogenic effect of arsenate in C57BL/6J/Han mice and its modulation by different dietary selenium status. <i>Ecotoxicology and Environmental Safety</i> , 2009, 72, 2143-2152.	6.0	6
51	Assessment of the involvement of oxidative stress and Mitogen-Activated Protein Kinase signaling pathways in the cytotoxic effects of arsenic trioxide and its combination with sulindac or its metabolites: sulindac sulfide and sulindac sulfone on human leukemic cell lines. <i>Medical Oncology</i> , 2012, 29, 1161-1172.	2.5	6
52	The influence of ATM, ATR, DNA-PK inhibitors on the cytotoxic and genotoxic effects of dibenzo[def,p]chrysene on human hepatocellular cancer cell line HepG2. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2015, 791, 12-24.	1.7	6
53	Review of data on chemical content in an aerosol resulting from heating a tobacco or a solution used in e-cigarettes and in the smoke generated from the reference cigarettes. <i>Toxicology Mechanisms and Methods</i> , 2021, 31, 323-333.	2.7	6
54	The influence of bovine casein-derived exorphins on mast cells in rodents. <i>Revue Francaise D'allergologie Et D'immunologie Clinique</i> , 2002, 42, 447-453.	0.1	5

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55	Sulindac and its metabolites: Sulindac sulfide and sulindac sulfone enhance cytotoxic effects of arsenic trioxide on leukemic cell lines. <i>Toxicology in Vitro</i> , 2011, 25, 1075-1084.	2.4	5
56	Opinion of the scientific committee on consumer safety (SCCS) â€œ Final opinion on Polyaminopropyl Biguanide (PHMB) in cosmetic productsâ€”Submission III. <i>Regulatory Toxicology and Pharmacology</i> , 2017, 88, 328-329.	2.7	5
57	The SCCS scientific advice on the safety of nanomaterials in cosmetics. <i>Regulatory Toxicology and Pharmacology</i> , 2021, 126, 105046.	2.7	5
58	Single Nucleotide Polymorphisms in Noncoding Regions of Rad51C Do Not Change the Risk of Unselected Breast Cancer but They Modulate the Level of Oxidative Stress and the DNA Damage Characteristics: A Case-Control Study. <i>PLoS ONE</i> , 2014, 9, e110696.	2.5	4
59	Opinion of the scientific committee on consumer safety (SCCS) â€œ Final version of the opinion on Ethylzingerone - â€”Hydroxyethoxyphenyl Butanoneâ€” (HEPB) - Cosmetics Europe No P98 - in cosmetic products. <i>Regulatory Toxicology and Pharmacology</i> , 2017, 88, 330-331.	2.7	4
60	Residential exposure to radon and levels of histone H2AX and DNA damage in peripheral blood lymphocytes of residents of Kowary city regions (Poland). <i>Chemosphere</i> , 2020, 247, 125748.	8.2	3
61	The effect of inhibitors of phosphatidylinositol 3-kinase-related kinases on dibenzo[def,p]chrysene genotoxicity measured by H2AX levels and neutral comet assay in HepG2 human hepatocellular cancer cells. <i>Toxicology in Vitro</i> , 2020, 63, 104749.	2.4	3
62	Testing the Immunosuppressive Effects of Cyclophosphamide in the Popliteal Lymph Node Assay in the Modification of Graft-Vs-Host Reaction (PLNA-GvHR) in the Rat. <i>Toxicology Mechanisms and Methods</i> , 2004, 14, 367-373.	2.7	2
63	Opinion of the Scientific Committee on consumer safety (SCCS) â€œ Final opinion on the safety of fragrance ingredient Acetylated Vetiver Oil (AVO) - (Vetiveria zizanioides root extract acetylated) - Submission III. <i>Regulatory Toxicology and Pharmacology</i> , 2019, 107, 104389.	2.7	2
64	Opinion of the Scientific Committee on Consumer safety (SCCS) â€œ Opinion on Ethylzingerone - â€”Hydroxyethoxyphenyl Butanoneâ€” (HEPB) - Cosmetics Europe No P98 - CAS No 569646-79-3 - Submission II (eye irritation). <i>Regulatory Toxicology and Pharmacology</i> , 2019, 107, 104393.	2.7	2
65	Combined effect of silver nanoparticles and aluminium chloride, butylparaben or diethylphthalate on the malignancy of MDA-MB-231 breast cancer cells and tumor-specific immune responses of human macrophages and monocyte-derived dendritic cells. <i>Toxicology in Vitro</i> , 2020, 65, 104774.	2.4	2
66	The influence of casein-derived exorphins on mast cells in rodents. <i>Revue Francaise D'allergologie Et D'immunologie Clinique</i> , 1999, 39, 57-59.	0.1	1
67	NANOINTERACT: A rational approach to the interaction between nanoscale materials and living matter?. <i>Journal of Physics: Conference Series</i> , 2009, 170, 012040.	0.4	1
68	Interleukin-1 β and surface marker expression changes induced by tetrachloroplatinate in human monocyte-derived dendritic cells. <i>Immunopharmacology and Immunotoxicology</i> , 2010, 32, 37-46.	2.4	1
69	Opinion of the Scientific Committee on Consumer safety (SCCS) â€œ Opinion on the safety of cosmetic ingredient salicylic acid (CAS 69-72-7). <i>Regulatory Toxicology and Pharmacology</i> , 2019, 108, 104376.	2.7	1
70	Effects of lactic acid bacteria and <i>Saccharomyces cerevisiae</i> on growth of <i>Aspergillus westerdijckiae</i> and ochratoxin A production and toxicity. <i>World Mycotoxin Journal</i> , 2014, 7, 313-320.	1.4	1
71	Interleukin-1 β and surface marker expression changes induced by tetrachloroplatinate in human monocyte-derived dendritic cells. <i>Immunopharmacology and Immunotoxicology</i> , 2009, 00, 090824065221002-10.	2.4	0
72	Comparative Safety Testing (acute systemic toxicity in mice) of Two Materials Prepared from Polypropylene-Polyester (Codubix S) or Acrylate Resin (Mendec Cranio) Used for the Manufacturing of a Calvaria Prosthesis. <i>Fibres and Textiles in Eastern Europe</i> , 2019, 27, 120-129.	0.5	0

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73	The effects of 1-methylnaphthalene after inhalation exposure on the serum corticosterone levels in rats. International Journal of Occupational Medicine and Environmental Health, 2020, 33, 691-699.	1.3	0