

# Anna Lewinska

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

89  
papers

1,630  
citations

23  
h-index

36  
g-index

92  
ext. papers

1,960  
ext. citations

5.1  
avg, IF

4.95  
L-index

#	Paper	IF	Citations
89	Sulforaphane-Induced Cell Cycle Arrest and Senescence are accompanied by DNA Hypomethylation and Changes in microRNA Profile in Breast Cancer Cells. <i>Theranostics</i> , <b>2017</b> , 7, 3461-3477	12.1	106
88	A comparison of replicative senescence and doxorubicin-induced premature senescence of vascular smooth muscle cells isolated from human aorta. <i>Biogerontology</i> , <b>2014</b> , 15, 47-64	4.5	79
87	Genotoxic and mutagenic activity of diamond nanoparticles in human peripheral lymphocytes in vitro. <i>Carbon</i> , <b>2014</b> , 68, 763-776	10.4	68
86	Prolonged Effects of Silver Nanoparticles on p53/p21 Pathway-Mediated Proliferation, DNA Damage Response, and Methylation Parameters in HT22 Hippocampal Neuronal Cells. <i>Molecular Neurobiology</i> , <b>2017</b> , 54, 1285-1300	6.2	67
85	Ursolic acid-mediated changes in glycolytic pathway promote cytotoxic autophagy and apoptosis in phenotypically different breast cancer cells. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , <b>2017</b> , 22, 800-815	5.4	66
84	Diosmin induces genotoxicity and apoptosis in DU145 prostate cancer cell line. <i>Toxicology in Vitro</i> , <b>2015</b> , 29, 417-25	3.6	52
83	Diosmin-induced senescence, apoptosis and autophagy in breast cancer cells of different p53 status and ERK activity. <i>Toxicology Letters</i> , <b>2017</b> , 265, 117-130	4.4	51
82	AMPK-mediated senolytic and senostatic activity of quercetin surface functionalized FeO nanoparticles during oxidant-induced senescence in human fibroblasts. <i>Redox Biology</i> , <b>2020</b> , 28, 101337 <sup>11.3</sup>	11.3	42
81	Reduced levels of methyltransferase DNMT2 sensitize human fibroblasts to oxidative stress and DNA damage that is accompanied by changes in proliferation-related miRNA expression. <i>Redox Biology</i> , <b>2018</b> , 14, 20-34	11.3	41
80	Nanodiamond-mediated impairment of nucleolar activity is accompanied by oxidative stress and DNMT2 upregulation in human cervical carcinoma cells. <i>Chemico-Biological Interactions</i> , <b>2014</b> , 220, 51-63 <sup>5</sup>		40
79	Fatty Acid Profile and Biological Activities of Linseed and Rapeseed Oils. <i>Molecules</i> , <b>2015</b> , 20, 22872-80	4.8	40
78	Total anti-oxidant capacity of cell culture media. <i>Clinical and Experimental Pharmacology and Physiology</i> , <b>2007</b> , 34, 781-6	3	38
77	Cadmium-induced changes in genomic DNA-methylation status increase aneuploidy events in a pig Robertsonian translocation model. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , <b>2012</b> , 747, 182-9	3	32
76	Phytochemical-induced nucleolar stress results in the inhibition of breast cancer cell proliferation. <i>Redox Biology</i> , <b>2017</b> , 12, 469-482	11.3	31
75	Curcumin induces oxidation-dependent cell cycle arrest mediated by SIRT7 inhibition of rDNA transcription in human aortic smooth muscle cells. <i>Toxicology Letters</i> , <b>2015</b> , 233, 227-38	4.4	31
74	Curcumin elevates sirtuin level but does not postpone in vitro senescence of human cells building the vasculature. <i>Oncotarget</i> , <b>2016</b> , 7, 19201-13	3.3	31
73	Capsaicin-induced genotoxic stress does not promote apoptosis in A549 human lung and DU145 prostate cancer cells. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , <b>2015</b> , 779, 23-34	3	30

72	Links between nucleolar activity, rDNA stability, aneuploidy and chronological aging in the yeast <i>Saccharomyces cerevisiae</i> . <i>Biogerontology</i> , <b>2014</b> , 15, 289-316	4.5	30
71	Curcumin induces senescence of primary human cells building the vasculature in a DNA damage and ATM-independent manner. <i>Age</i> , <b>2015</b> , 37, 9744		29
70	Nanoparticle-mediated decrease of lamin B1 pools promotes a TRF protein-based adaptive response in cultured cells. <i>Biomaterials</i> , <b>2015</b> , 53, 107-16	15.6	29
69	Curcumin-mediated decrease in the expression of nucleolar organizer regions in cervical cancer (HeLa) cells. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , <b>2014</b> , 771, 43-52	3	29
68	Gold Nanoparticles Promote Oxidant-Mediated Activation of NF- $\kappa$ B and 53BP1 Recruitment-Based Adaptive Response in Human Astrocytes. <i>BioMed Research International</i> , <b>2015</b> , 2015, 304575	3	26
67	<i>Helicobacter pylori</i> cagA gene polymorphism affects the total antioxidant capacity of human saliva. <i>Helicobacter</i> , <b>2010</b> , 15, 53-7	4.9	26
66	Downregulation of methyltransferase Dnmt2 results in condition-dependent telomere shortening and senescence or apoptosis in mouse fibroblasts. <i>Journal of Cellular Physiology</i> , <b>2017</b> , 232, 3714-3726	7	23
65	The antioxidant properties of carnitine in vitro. <i>Cellular and Molecular Biology Letters</i> , <b>2010</b> , 15, 90-7	8.1	23
64	Yeast flavohemoglobin protects against nitrosative stress and controls ferric reductase activity. <i>Redox Report</i> , <b>2006</b> , 11, 231-9	5.9	23
63	A role for yeast glutaredoxin genes in selenite-mediated oxidative stress. <i>Fungal Genetics and Biology</i> , <b>2008</b> , 45, 1182-7	3.9	20
62	Oxidant-based anticancer activity of a novel synthetic analogue of capsaicin, capsaicin epoxide. <i>Redox Report</i> , <b>2015</b> , 20, 116-25	5.9	19
61	Evaluation of cytotoxic and genotoxic activity of fungicide formulation Tango Super in bovine lymphocytes. <i>Environmental Pollution</i> , <b>2017</b> , 220, 255-263	9.3	19
60	Protection of flavonoids against hypochlorite-induced protein modifications. <i>Food Chemistry</i> , <b>2013</b> , 141, 1227-41	8.5	19
59	Nucleolus as an oxidative stress sensor in the yeast <i>Saccharomyces cerevisiae</i> . <i>Redox Report</i> , <b>2010</b> , 15, 87-96	5.9	19
58	Evaluation of the cyto- and genotoxic activity of yerba mate ( <i>Ilex paraguariensis</i> ) in human lymphocytes in vitro. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , <b>2009</b> , 679, 18-23	3	19
57	Assessment of yeast chromosome XII instability: single chromosome comet assay. <i>Fungal Genetics and Biology</i> , <b>2014</b> , 63, 9-16	3.9	18
56	Redox status of equine seminal plasma reflects the pattern and magnitude of DNA damage in sperm cells. <i>Theriogenology</i> , <b>2010</b> , 74, 1677-84	2.8	18
55	DNA hypomethylation and oxidative stress-mediated increase in genomic instability in equine sarcoid-derived fibroblasts. <i>Biochimie</i> , <b>2012</b> , 94, 2013-24	4.6	17

54	The nitroxide antioxidant Tempol affects metal-induced cyto- and genotoxicity in human lymphocytes in vitro. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , <b>2008</b> , 649, 7-14	3	17
53	Limited effectiveness of antioxidants in the protection of yeast defective in antioxidant proteins. <i>Free Radical Research</i> , <b>2004</b> , 38, 1159-65	4	17
52	FTIR and Raman Spectroscopy-Based Biochemical Profiling Reflects Genomic Diversity of Clinical Isolates That May Be Useful for Diagnosis and Targeted Therapy of Candidiasis. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 20,	6.3	17
51	Nanodiamond-induced increase in ROS and RNS levels activates NF- $\kappa$ B and augments thiol pools in human hepatocytes. <i>Diamond and Related Materials</i> , <b>2015</b> , 55, 95-101	3.5	16
50	A genetic analysis of nitric oxide-mediated signaling during chronological aging in the yeast. <i>Biogerontology</i> , <b>2011</b> , 12, 309-20	4.5	15
49	In vitro exposure to thiacloprid-based insecticide formulation promotes oxidative stress, apoptosis and genetic instability in bovine lymphocytes. <i>Toxicology in Vitro</i> , <b>2019</b> , 61, 104654	3.6	14
48	Gold Nanorods and Nanoprisms Mediate Different Photothermal Cell Death Mechanisms In Vitro and In Vivo. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 13718-13730	9.5	14
47	Affected chromosome homeostasis and genomic instability of clonal yeast cultures. <i>Current Genetics</i> , <b>2016</b> , 62, 405-18	2.9	14
46	DNA strand breaks induced by nuclear hijacking of neuronal NOS as an anti-cancer effect of 2-methoxyestradiol. <i>Oncotarget</i> , <b>2015</b> , 6, 15449-63	3.3	14
45	Sarcoid-derived fibroblasts: links between genomic instability, energy metabolism and senescence. <i>Biochimie</i> , <b>2014</b> , 97, 163-72	4.6	13
44	Age-related changes in genomic stability of horses. <i>Mechanisms of Ageing and Development</i> , <b>2011</b> , 132, 257-68	5.6	13
43	Light-triggered modulation of cell antioxidant defense by polymer semiconducting nanoparticles in a model organism. <i>MRS Communications</i> , <b>2018</b> , 8, 918-925	2.7	12
42	Genome-wide array-CGH analysis reveals YRF1 gene copy number variation that modulates genetic stability in distillery yeasts. <i>Oncotarget</i> , <b>2015</b> , 6, 30650-63	3.3	12
41	Phytochemicals Rosmarinic Acid, Ampelopsin, and Amorfrutin-A Can Modulate Age-Related Phenotype of Serially Passaged Human Skin Fibroblasts. <i>Frontiers in Genetics</i> , <b>2019</b> , 10, 81	4.5	10
40	Chronic exposure to rapamycin and episodic serum starvation modulate ageing of human fibroblasts in vitro. <i>Biogerontology</i> , <b>2017</b> , 18, 841-854	4.5	10
39	Helicobacter pylori-induced premature senescence of extragastric cells may contribute to chronic skin diseases. <i>Biogerontology</i> , <b>2017</b> , 18, 293-299	4.5	9
38	Shifts in rDNA levels act as a genome buffer promoting chromosome homeostasis. <i>Cell Cycle</i> , <b>2015</b> , 14, 3475-87	4.7	9
37	Changes in DNA methylation patterns and repetitive sequences in blood lymphocytes of aged horses. <i>Age</i> , <b>2014</b> , 36, 31-48		9

36	Protection of yeast lacking the Ure2 protein against the toxicity of heavy metals and hydroperoxides by antioxidants. <i>Free Radical Research</i> , <b>2007</b> , 41, 580-90	4	9
35	Adaptive response to chronic mild ethanol stress involves ROS, sirtuins and changes in chromosome dosage in wine yeasts. <i>Oncotarget</i> , <b>2016</b> , 7, 29958-76	3.3	9
34	Changes of markers of oxidative stress during menstrual cycle. <i>Redox Report</i> , <b>2008</b> , 13, 237-40	5.9	8
33	The lack of functional gene modulates cancer cell responses during drug-induced senescence. <i>Aging</i> , <b>2021</b> , 13, 15833-15874	5.6	8
32	Snake venoms promote stress-induced senescence in human fibroblasts. <i>Journal of Cellular Physiology</i> , <b>2019</b> , 234, 6147-6160	7	8
31	The Roles of Host 5-Methylcytosine RNA Methyltransferases during Viral Infections. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	7
30	Oxidant-induced decrease of the expression of nucleolar organizer regions in pig lymphocytes can be useful for monitoring the cellular effects of oxidative stress. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , <b>2008</b> , 653, 124-9	3	7
29	Application of a YHB1-GFP reporter to detect nitrosative stress in yeast. <i>Redox Report</i> , <b>2008</b> , 13, 161-71	5.9	7
28	Remifentanyl preconditioning protects against hypoxia-induced senescence and necroptosis in human cardiac myocytes. <i>Aging</i> , <b>2020</b> , 12, 13924-13938	5.6	7
27	c-Myc activation promotes cofilin-mediated F-actin cytoskeleton remodeling and telomere homeostasis as a response to oxidant-based DNA damage in medulloblastoma cells. <i>Redox Biology</i> , <b>2019</b> , 24, 101163	11.3	6
26	Energy Conversion and Biocompatibility of Surface Functionalized Magnetite Nanoparticles with Phosphonic Moieties. <i>Journal of Physical Chemistry B</i> , <b>2020</b> , 124, 4931-4948	3.4	6
25	Single-cell analysis of aneuploidy events using yeast whole chromosome painting probes (WCPPs). <i>Journal of Microbiological Methods</i> , <b>2015</b> , 111, 40-9	2.8	6
24	Rapid detection of yeast rRNA genes with primed in situ (PRINS) labeling. <i>FEMS Yeast Research</i> , <b>2009</b> , 9, 634-40	3.1	5
23	Evaluation of Antifungal Activity of and Venoms against Three Species. <i>Toxins</i> , <b>2020</b> , 12,	4.9	5
22	Nano-Based Theranostic Tools for the Detection and Elimination of Senescent Cells. <i>Cells</i> , <b>2020</b> , 9,	7.9	5
21	Multimodal polymer encapsulated CdSe/FeO nanoplatfom with improved biocompatibility for two-photon and temperature stimulated bioapplications. <i>Materials Science and Engineering C</i> , <b>2021</b> , 127, 112224	8.3	5
20	Identification of dermatophyte species using genomic in situ hybridization (GISH). <i>Journal of Microbiological Methods</i> , <b>2014</b> , 100, 32-41	2.8	4
19	PRINS detection of 18S rDNA in pig, red fox and Chinese raccoon dog, and centromere DNA in horse. <i>Hereditas</i> , <b>2010</b> , 147, 320-4	2.4	4

18	A Non-Vector Approach to Increase Lipid Levels in the Microalga. <i>Molecules</i> , <b>2020</b> , 25,	4.8	4
17	Altered dynamics in the circadian oscillation of clock genes in serum-shocked NIH-3T3 cells by the treatment of GYY4137 or AOAA. <i>Archives of Biochemistry and Biophysics</i> , <b>2020</b> , 680, 108237	4.1	4
16	Treatment with Modified Extracts of the Microalga Attenuates the Development of Stress-Induced Senescence in Human Skin Cells. <i>Nutrients</i> , <b>2020</b> , 12,	6.7	4
15	Senolysis-Based Elimination of Chemotherapy-Induced Senescent Breast Cancer Cells by Quercetin Derivative with Blocked Hydroxy Groups.. <i>Cancers</i> , <b>2022</b> , 14,	6.6	3
14	Copy number variations of genes involved in stress responses reflect the redox state and DNA damage in brewing yeasts. <i>Cell Stress and Chaperones</i> , <b>2016</b> , 21, 849-64	4	3
13	Activation of transposable elements and genetic instability during long-term culture of the human fungal pathogen <i>Candida albicans</i> . <i>Biogerontology</i> , <b>2019</b> , 20, 457-474	4.5	2
12	Evaluation of Anticancer and Antibacterial Activity of Four 4-Thiazolidinone-Based Derivatives.. <i>Molecules</i> , <b>2022</b> , 27,	4.8	2
11	Plant-Derived Molecules Boswellic Acid Acetate, Praeruptorin-A, and Salvianolic Acid-B Have Age-Related Differential Effects in Young and Senescent Human Fibroblasts In Vitro. <i>Molecules</i> , <b>2019</b> , 25,	4.8	2
10	Genetic profiling of yeast industrial strains using in situ comparative genomic hybridization (CGH). <i>Journal of Biotechnology</i> , <b>2015</b> , 210, 52-6	3.7	1
9	Genetic structure of Hucul and Anglo-Arabian horses at the Tert locus. <i>Annals of Animal Science</i> , <b>2012</b> , 12, 483-494	2	1
8	Relationships between rDNA, Nop1 and Sir complex in biotechnologically relevant distillery yeasts. <i>Archives of Microbiology</i> , <b>2016</b> , 198, 715-23	3	1
7	The Identification of a Novel Fucosidosis-Associated Mutation: A Case of a 5-Year-Old Polish Girl with Two Additional Rare Chromosomal Aberrations and Affected DNA Methylation Patterns. <i>Genes</i> , <b>2021</b> , 12,	4.2	1
6	Deficiency of TRDMT1 impairs exogenous RNA-based response and promotes retrotransposon activity during long-term culture of osteosarcoma cells.. <i>Toxicology in Vitro</i> , <b>2022</b> , 80, 105323	3.6	0
5	Imaging flow cytometry-based analysis of bacterial profiles in milk samples. <i>Food and Bioprocess Processing</i> , <b>2021</b> , 128, 102-108	4.9	0
4	Silver birch pollen-derived microRNAs promote NF- $\kappa$ B-mediated inflammation in human lung cells. <i>Science of the Total Environment</i> , <b>2021</b> , 800, 149531	10.2	0
3	Aging Process in Chromatin of Animals. <i>Annals of Animal Science</i> , <b>2012</b> , 12, 301-309	2	
2	Yeast Models in Biogerontological Studies <b>2019</b> , 443-443		
1	Role of Shelterin Complex and Alternative Telomere Lengthening in Genomic Instability and Disease Progression in Chronic Myeloid Leukemia. <i>Blood</i> , <b>2016</b> , 128, 1880-1880	2.2	

