

# Anna Lewinska

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/1463622/anna-lewinska-publications-by-year.pdf>

**Version:** 2024-04-26

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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	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
88	Evaluation of Anticancer and Antibacterial Activity of Four 4-Thiazolidinone-Based Derivatives.. <i>Molecules</i> , <b>2022</b> , 27,	4.8	2
87	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
86	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
85	Imaging flow cytometry-based analysis of bacterial profiles in milk samples. <i>Food and Bioproducts Processing</i> , <b>2021</b> , 128, 102-108	4.9	0
84	Multimodal polymer encapsulated CdSe/FeO nanoplatfrom 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
83	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
82	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
81	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
80	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
79	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
78	Remifentanil preconditioning protects against hypoxia-induced senescence and necroptosis in human cardiac myocytes. <i>Aging</i> , <b>2020</b> , 12, 13924-13938	5.6	7
77	A Non-Vector Approach to Increase Lipid Levels in the Microalga. <i>Molecules</i> , <b>2020</b> , 25,	4.8	4
76	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
75	Evaluation of Antifungal Activity of and Venoms against Three Species. <i>Toxins</i> , <b>2020</b> , 12,	4.9	5
74	Nano-Based Theranostic Tools for the Detection and Elimination of Senescent Cells. <i>Cells</i> , <b>2020</b> , 9,	7.9	5
73	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

72	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
71	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
70	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
69	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
68	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
67	Yeast Models in Biogerontological Studies <b>2019</b> , 443-443		
66	Plant-Derived Molecules EBoswellic 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
65	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
64	Snake venoms promote stress-induced senescence in human fibroblasts. <i>Journal of Cellular Physiology</i> , <b>2019</b> , 234, 6147-6160	7	8
63	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
62	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
61	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
60	<i>Helicobacter pylori</i> -induced premature senescence of extragastric cells may contribute to chronic skin diseases. <i>Biogerontology</i> , <b>2017</b> , 18, 293-299	4.5	9
59	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
58	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
57	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
56	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
55	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

54	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
53	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
52	Affected chromosome homeostasis and genomic instability of clonal yeast cultures. <i>Current Genetics</i> , <b>2016</b> , 62, 405-18	2.9	14
51	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
50	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	
49	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
48	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
47	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
46	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
45	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
44	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
43	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
42	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
41	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
40	Fatty Acid Profile and Biological Activities of Linseed and Rapeseed Oils. <i>Molecules</i> , <b>2015</b> , 20, 22872-80	4.8	40
39	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
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	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

36	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
35	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
34	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
33	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
32	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
31	Sarcoid-derived fibroblasts: links between genomic instability, energy metabolism and senescence. <i>Biochimie</i> , <b>2014</b> , 97, 163-72	4.6	13
30	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
29	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
28	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
27	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
26	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
25	Changes in DNA methylation patterns and repetitive sequences in blood lymphocytes of aged horses. <i>Age</i> , <b>2014</b> , 36, 31-48		9
24	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
23	Protection of flavonoids against hypochlorite-induced protein modifications. <i>Food Chemistry</i> , <b>2013</b> , 141, 1227-41	8.5	19
22	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
21	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
20	Aging Process in Chromatin of Animals. <i>Annals of Animal Science</i> , <b>2012</b> , 12, 301-309	2	
19	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

18	Age-related changes in genomic stability of horses. <i>Mechanisms of Ageing and Development</i> , <b>2011</b> , 132, 257-68	5.6	13
17	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
16	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
15	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
14	The antioxidant properties of carnitine in vitro. <i>Cellular and Molecular Biology Letters</i> , <b>2010</b> , 15, 90-7	8.1	23
13	<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
12	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
11	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
10	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
9	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
8	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
7	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
6	Changes of markers of oxidative stress during menstrual cycle. <i>Redox Report</i> , <b>2008</b> , 13, 237-40	5.9	8
5	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
4	Total anti-oxidant capacity of cell culture media. <i>Clinical and Experimental Pharmacology and Physiology</i> , <b>2007</b> , 34, 781-6	3	38
3	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
2	Yeast flavohemoglobin protects against nitrosative stress and controls ferric reductase activity. <i>Redox Report</i> , <b>2006</b> , 11, 231-9	5.9	23
1	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

