

# Ewa Sikora

## 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.

84  
papers

3,178  
citations

31  
h-index

54  
g-index

90  
ext. papers

3,766  
ext. citations

5.9  
avg, IF

5.39  
L-index

#	Paper	IF	Citations
84	Sirtuins, a promising target in slowing down the ageing process. <i>Biogerontology</i> , <b>2017</b> , 18, 447-476	4.5	220
83	Impact of cellular senescence signature on ageing research. <i>Ageing Research Reviews</i> , <b>2011</b> , 10, 146-52	12	197
82	MARK-AGE biomarkers of ageing. <i>Mechanisms of Ageing and Development</i> , <b>2015</b> , 151, 2-12	5.6	145
81	Induction of senescence with doxorubicin leads to increased genomic instability of HCT116 cells. <i>Mechanisms of Ageing and Development</i> , <b>2009</b> , 130, 24-32	5.6	130
80	A novel apoptosis-like pathway, independent of mitochondria and caspases, induced by curcumin in human lymphoblastoid T (Jurkat) cells. <i>Experimental Cell Research</i> , <b>1999</b> , 249, 299-307	4.2	118
79	Curcumin induces permanent growth arrest of human colon cancer cells: link between senescence and autophagy. <i>Mechanisms of Ageing and Development</i> , <b>2012</b> , 133, 444-55	5.6	102
78	Apoptosis-like, reversible changes in plasma membrane asymmetry and permeability, and transient modifications in mitochondrial membrane potential induced by curcumin in rat thymocytes. <i>FEBS Letters</i> , <b>1998</b> , 433, 287-93	3.8	101
77	What evidence is there for the existence of individual genes with antagonistic pleiotropic effects?. <i>Mechanisms of Ageing and Development</i> , <b>2005</b> , 126, 421-9	5.6	93
76	Inhibition of proliferation and apoptosis of human and rat T lymphocytes by curcumin, a curry pigment. <i>Biochemical Pharmacology</i> , <b>1997</b> , 54, 899-907	6	91
75	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
74	Curcumin affects components of the chromosomal passenger complex and induces mitotic catastrophe in apoptosis-resistant Bcr-Abl-expressing cells. <i>Molecular Cancer Research</i> , <b>2006</b> , 4, 457-69	6.6	78
73	Genetics of healthy aging in Europe: the EU-integrated project GEHA (GEnetics of Healthy Aging). <i>Annals of the New York Academy of Sciences</i> , <b>2007</b> , 1100, 21-45	6.5	74
72	Polyploidy Formation in Doxorubicin-Treated Cancer Cells Can Favor Escape from Senescence. <i>Neoplasia</i> , <b>2015</b> , 17, 882-893	6.4	70
71	Curcumin induces caspase-3-dependent apoptotic pathway but inhibits DNA fragmentation factor 40/caspase-activated DNase endonuclease in human Jurkat cells. <i>Molecular Cancer Therapeutics</i> , <b>2006</b> , 5, 927-34	6.1	65
70	Cellular senescence in ageing, age-related disease and longevity. <i>Current Vascular Pharmacology</i> , <b>2014</b> , 12, 698-706	3.3	65
69	Effect of glutathione depletion on caspase-3 independent apoptosis pathway induced by curcumin in Jurkat cells. <i>Free Radical Biology and Medicine</i> , <b>2001</b> , 31, 670-8	7.8	61
68	Is senescence-associated $\beta$ -galactosidase a marker of neuronal senescence?. <i>Oncotarget</i> , <b>2016</b> , 7, 81099-81109	3.1	58

67	Early loss of proliferative potential of human peritoneal mesothelial cells in culture: the role of p16INK4a-mediated premature senescence. <i>Journal of Applied Physiology</i> , <b>2006</b> , 100, 988-95	3.7	57
66	Proliferation and apoptosis of human CD8(+)CD28(+) and CD8(+)CD28(-) lymphocytes during aging. <i>Experimental Gerontology</i> , <b>2004</b> , 39, 539-44	4.5	56
65	The Role of Curcumin in the Modulation of Ageing. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 20,	6.3	55
64	Morphological and Functional Characteristic of Senescent Cancer Cells. <i>Current Drug Targets</i> , <b>2016</b> , 17, 377-87	3	53
63	TMA, A Forgotten Uremic Toxin, but Not TMAO, Is Involved in Cardiovascular Pathology. <i>Toxins</i> , <b>2019</b> , 11,	4.9	51
62	Age-dependent expression of DNMT1 and DNMT3B in PBMCs from a large European population enrolled in the MARK-AGE study. <i>Aging Cell</i> , <b>2016</b> , 15, 755-65	9.9	51
61	Cellular Senescence in Age-Related Macular Degeneration: Can Autophagy and DNA Damage Response Play a Role?. <i>Oxidative Medicine and Cellular Longevity</i> , <b>2017</b> , 2017, 5293258	6.7	49
60	Is DNA damage indispensable for stress-induced senescence?. <i>Mechanisms of Ageing and Development</i> , <b>2018</b> , 170, 13-21	5.6	48
59	P-glycoprotein expression does not change the apoptotic pathway induced by curcumin in HL-60 cells. <i>Cancer Chemotherapy and Pharmacology</i> , <b>2004</b> , 53, 179-85	3.5	43
58	Effect of curcumin on the apoptosis of rodent and human nonproliferating and proliferating lymphoid cells. <i>Nutrition and Cancer</i> , <b>2000</b> , 38, 131-8	2.8	42
57	Diversity of the Senescence Phenotype of Cancer Cells Treated with Chemotherapeutic Agents. <i>Cells</i> , <b>2019</b> , 8,	7.9	38
56	Resistance to apoptosis of HCW-2 cells can be overcome by curcumin- or vincristine-induced mitotic catastrophe. <i>International Journal of Cancer</i> , <b>2006</b> , 119, 1811-8	7.5	37
55	Loss of transcription factor AP-1 DNA binding activity during lymphocyte aging in vivo. <i>FEBS Letters</i> , <b>1992</b> , 312, 179-82	3.8	37
54	Curcumin induces caspase-3-independent apoptosis in human multidrug-resistant cells. <i>Annals of the New York Academy of Sciences</i> , <b>2002</b> , 973, 250-4	6.5	35
53	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
52	Activation of a low pH-dependent nuclease by apoptotic agents. <i>Cell Death and Differentiation</i> , <b>1999</b> , 6, 281-9	12.7	31
51	Analysis of the machinery and intermediates of the 5hmC-mediated DNA demethylation pathway in aging on samples from the MARK-AGE Study. <i>Aging</i> , <b>2016</b> , 8, 1896-1922	5.6	31
50	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

49	Curcumin-treated cancer cells show mitotic disturbances leading to growth arrest and induction of senescence phenotype. <i>International Journal of Biochemistry and Cell Biology</i> , <b>2016</b> , 74, 33-43	5.6	30
48	Targeting normal and cancer senescent cells as a strategy of senotherapy. <i>Ageing Research Reviews</i> , <b>2019</b> , 55, 100941	12	30
47	NOX4 downregulation leads to senescence of human vascular smooth muscle cells. <i>Oncotarget</i> , <b>2016</b> , 7, 66429-66443	3.3	30
46	Plasma Carotenoids, Tocopherols, and Retinol in the Age-Stratified (35-74 Years) General Population: A Cross-Sectional Study in Six European Countries. <i>Nutrients</i> , <b>2016</b> , 8,	6.7	30
45	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
44	Gender- and age-dependencies of oxidative stress, as detected based on the steady state concentrations of different biomarkers in the MARK-AGE study. <i>Redox Biology</i> , <b>2019</b> , 24, 101204	11.3	28
43	DNA damage-independent apoptosis induced by curcumin in normal resting human T cells and leukaemic Jurkat cells. <i>Mutagenesis</i> , <b>2013</b> , 28, 411-6	2.8	27
42	Activation-induced and damage-induced cell death in aging human T cells. <i>Mechanisms of Ageing and Development</i> , <b>2015</b> , 151, 85-92	5.6	26
41	Trimethylamine But Not Trimethylamine Oxide Increases With Age in Rat Plasma and Affects Smooth Muscle Cells Viability. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , <b>2020</b> , 75, 1276-1283	6.4	26
40	MARK-AGE population: From the human model to new insights. <i>Mechanisms of Ageing and Development</i> , <b>2015</b> , 151, 13-7	5.6	24
39	"Mitotic Slippage" and Extranuclear DNA in Cancer Chemoresistance: A Focus on Telomeres. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	24
38	Insight into the role of PIKK family members and NF- $\kappa$ B in DNAdamage-induced senescence and senescence-associated secretory phenotype of colon cancer cells. <i>Cell Death and Disease</i> , <b>2018</b> , 9, 44	9.8	24
37	Curcumin abolishes apoptosis resistance of calcitriol-differentiated HL-60 cells. <i>FEBS Letters</i> , <b>2006</b> , 580, 4653-60	3.8	24
36	Cellular Senescence in Brain Aging. <i>Frontiers in Aging Neuroscience</i> , <b>2021</b> , 13, 646924	5.3	24
35	Associations between Specific Redox Biomarkers and Age in a Large European Cohort: The MARK-AGE Project. <i>Oxidative Medicine and Cellular Longevity</i> , <b>2017</b> , 2017, 1401452	6.7	23
34	Methotrexate-induced senescence in human adenocarcinoma cells is accompanied by induction of p21(waf1/cip1) expression and lack of polyploidy. <i>Cancer Letters</i> , <b>2009</b> , 284, 95-101	9.9	20
33	Simultaneous induction and blockade of autophagy by a single agent. <i>Cell Death and Disease</i> , <b>2018</b> , 9, 353	9.8	19
32	Rejuvenation of senescent cells-the road to postponing human aging and age-related disease?. <i>Experimental Gerontology</i> , <b>2013</b> , 48, 661-6	4.5	18

31	What is and what is not cell senescence. <i>Postepy Biochemii</i> , <b>2018</b> , 64, 110-118	0	18
30	Improved Autophagic Flux in Escapers from Doxorubicin-Induced Senescence/Polyploidy of Breast Cancer Cells. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	18
29	Antioxidants linked with physical, cognitive and psychological frailty: Analysis of candidate biomarkers and markers derived from the MARK-AGE study. <i>Mechanisms of Ageing and Development</i> , <b>2019</b> , 177, 135-143	5.6	16
28	Proliferation of CD8+ in culture of human T cells derived from peripheral blood of adult donors and cord blood of newborns. <i>Mechanisms of Ageing and Development</i> , <b>2003</b> , 124, 379-87	5.6	15
27	Therapy-induced polyploidization and senescence: Coincidence or interconnection?. <i>Seminars in Cancer Biology</i> , <b>2020</b> ,	12.7	14
26	Quality control data of physiological and immunological biomarkers measured in serum and plasma. <i>Mechanisms of Ageing and Development</i> , <b>2015</b> , 151, 54-9	5.6	12
25	ATM-deficient neural precursors develop senescence phenotype with disturbances in autophagy. <i>Mechanisms of Ageing and Development</i> , <b>2020</b> , 190, 111296	5.6	11
24	Resveratrol Derivative, 3,3P4,4PTetrahydroxy-trans-Stilbene, Retards Senescence of Mesothelial Cells via Hormetic-Like Prooxidative Mechanism. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , <b>2015</b> , 70, 1169-80	6.4	10
23	Oxidative stress and inhibition of nitric oxide generation underlie methotrexate-induced senescence in human colon cancer cells. <i>Mechanisms of Ageing and Development</i> , <b>2018</b> , 170, 22-29	5.6	9
22	The role of nibrin in doxorubicin-induced apoptosis and cell senescence in Nijmegen Breakage Syndrome patients lymphocytes. <i>PLoS ONE</i> , <b>2014</b> , 9, e104964	3.7	9
21	Inhibition of NADPH Oxidases Activity by Diphenyleneiodonium Chloride as a Mechanism of Senescence Induction in Human Cancer Cells. <i>Antioxidants</i> , <b>2020</b> , 9,	7.1	8
20	Zinc-Induced Metallothionein in Centenarian Offspring From a Large European Population: The MARK-AGE Project. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , <b>2018</b> , 73, 745-753	6.4	6
19	Curcumin induces multiple signaling pathways leading to vascular smooth muscle cell senescence. <i>Biogerontology</i> , <b>2019</b> , 20, 783-798	4.5	6
18	Prevalence and Loads of Torquetenovirus in the European MARK-AGE Study Population. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , <b>2020</b> , 75, 1838-1845	6.4	6
17	A common signature of cellular senescence; does it exist?. <i>Ageing Research Reviews</i> , <b>2021</b> , 71, 101458	12	6
16	Combination of dasatinib and quercetin improves cognitive abilities in aged male Wistar rats, alleviates inflammation and changes hippocampal synaptic plasticity and histone H3 methylation profile.. <i>Ageing</i> , <b>2022</b> , 14,	5.6	4
15	Chromatin-Directed Proteomics Identifies ZNF84 as a p53-Independent Regulator of p21 in Genotoxic Stress Response. <i>Cancers</i> , <b>2021</b> , 13,	6.6	4
14	Age, Sex, and BMI Influence on Copper, Zinc, and Their Major Serum Carrier Proteins in a Large European Population Including Nonagenarian Offspring From MARK-AGE Study. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , <b>2021</b> , 76, 2097-2106	6.4	3

13	Microbiome in Blood Samples From the General Population Recruited in the MARK-AGE Project: A Pilot Study. <i>Frontiers in Microbiology</i> , <b>2021</b> , 12, 707515	5.7	3
12	The role of gender and labour status in immunosenescence of 65+ Polish population. <i>Biogerontology</i> , <b>2017</b> , 18, 581-590	4.5	2
11	Replicative senescence of interleukin-2-dependent human T lymphocytes. Flow cytometric characteristics of phenotype changes. <i>Annals of the New York Academy of Sciences</i> , <b>2000</b> , 908, 310-4	6.5	2
10	Medication Intake Is Associated with Lower Plasma Carotenoids and Higher Fat-Soluble Vitamins in the Cross-Sectional MARK-AGE Study in Older Individuals. <i>Journal of Clinical Medicine</i> , <b>2020</b> , 9,	5.1	2
9	The role of autophagy in escaping therapy-induced polyploidy/senescence. <i>Advances in Cancer Research</i> , <b>2021</b> , 150, 209-247	5.9	2
8	Do low molecular weight antioxidants contribute to the Protection against oxidative damage? The interrelation between oxidative stress and low molecular weight antioxidants based on data from the MARK-AGE study. <i>Archives of Biochemistry and Biophysics</i> , <b>2021</b> , 713, 109061	4.1	1
7	Utilizing Genome-Wide mRNA Profiling to Identify the Cytotoxic Chemotherapeutic Mechanism of Triazoloacridone C-1305 as Direct Microtubule Stabilization. <i>Cancers</i> , <b>2020</b> , 12,	6.6	1
6	Ageing affects subtelomeric DNA methylation in blood cells from a large European population enrolled in the MARK-AGE study. <i>GeroScience</i> , <b>2021</b> , 43, 1283-1302	8.9	0
5	Antigen presentation capability and AP-1 activation accompany methotrexate-induced colon cancer cell senescence in the context of aberrant E-catenin signaling. <i>Mechanisms of Ageing and Development</i> , <b>2021</b> , 197, 111517	5.6	0
4	Activation-Induced Cell Death of T-Cells in Elderly <b>2009</b> , 277-290		
3	Association between fat-soluble vitamins and self-reported health status: a cross-sectional analysis of the MARK-AGE cohort. <i>British Journal of Nutrition</i> , <b>2021</b> , 1-11	3.6	
2	Activation-Induced Cell Death of T Cells in Human Aging <b>2019</b> , 533-552		
1	Activation-Induced Cell Death of T Cells in Human Aging <b>2018</b> , 1-20		