

Federica I Wolf

List of Publications by Year in descending order

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Version: 2024-02-01

67
papers

3,319
citations

172386

29
h-index

143943

57
g-index

70
all docs

70
docs citations

70
times ranked

3967
citing authors

#	ARTICLE	IF	CITATIONS
1	Chemistry and biochemistry of magnesium. <i>Molecular Aspects of Medicine</i> , 2003, 24, 3-9.	2.7	317
2	8-Hydroxyquinoline Derivatives as Fluorescent Sensors for Magnesium in Living Cells. <i>Journal of the American Chemical Society</i> , 2006, 128, 344-350.	6.6	273
3	50-Hz extremely low frequency electromagnetic fields enhance cell proliferation and DNA damage: possible involvement of a redox mechanism. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2005, 1743, 120-129.	1.9	233
4	Resveratrol, a natural phenolic compound, inhibits cell proliferation and prevents oxidative DNA damage. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2001, 496, 171-180.	0.9	201
5	Effects of 50Hz electromagnetic fields on voltage-gated Ca ²⁺ channels and their role in modulation of neuroendocrine cell proliferation and death. <i>Cell Calcium</i> , 2004, 35, 307-315.	1.1	187
6	Cell (patho)physiology of magnesium. <i>Clinical Science</i> , 2008, 114, 27-35.	1.8	157
7	DNA damage and apoptosis induction by the pesticide Mancozeb in rat cells: Involvement of the oxidative mechanism. <i>Toxicology and Applied Pharmacology</i> , 2006, 211, 87-96.	1.3	153
8	Î²-Carotene Regulates NF-Î²B DNA-Binding Activity by a Redox Mechanism in Human Leukemia and Colon Adenocarcinoma Cells. <i>Journal of Nutrition</i> , 2003, 133, 381-388.	1.3	115
9	Cell physiology of magnesium. <i>Molecular Aspects of Medicine</i> , 2003, 24, 11-26.	2.7	111
10	Magnesium in cell proliferation and differentiation. <i>Frontiers in Bioscience - Landmark</i> , 1999, 4, d607.	3.0	98
11	Oxidative DNA damage as a marker of aging in WI-38 human fibroblasts. <i>Experimental Gerontology</i> , 2002, 37, 647-656.	1.2	77
12	Intracellular magnesium detection: imaging a brighter future. <i>Analyst, The</i> , 2010, 135, 1855.	1.7	75
13	Mechanism of Activation of Caspase Cascade During Î²-Carotene-Induced Apoptosis in Human Tumor Cells. <i>Nutrition and Cancer</i> , 2003, 47, 76-87.	0.9	72
14	Magnesium deficiency inhibits primary tumor growth but favors metastasis in mice. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2004, 1739, 26-32.	1.8	66
15	Regulation of cell cycle progression and apoptosis by Î²-carotene in undifferentiated and differentiated HL-60 leukemia cells: Possible involvement of a redox mechanism. <i>International Journal of Cancer</i> , 2002, 97, 593-600.	2.3	65
16	Î²-Carotene exacerbates DNA oxidative damage and modifies p53-related pathways of cell proliferation and apoptosis in cultured cells exposed to tobacco smoke condensate. <i>Carcinogenesis</i> , 2004, 25, 1315-1325.	1.3	62
17	Magnesium and tumors: Ally or foe?. <i>Cancer Treatment Reviews</i> , 2009, 35, 378-382.	3.4	55
18	Magnesium and its transporters in cancer: a novel paradigm in tumour development. <i>Clinical Science</i> , 2012, 123, 417-427.	1.8	54

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19	Magnesium depletion causes growth inhibition, reduced expression of cyclin D1, and increased expression of P27KIP1 in normal but not in transformed mammary epithelial cells. , 1999, 180, 245-254.		50
20	DNA Oxidative Damage during Differentiation of HL-60 Human Promyelocytic Leukemia Cells. Chemical Research in Toxicology, 2001, 14, 1492-1497.	1.7	49
21	Magnesium homeostasis in colon carcinoma LoVo cells sensitive or resistant to doxorubicin. Scientific Reports, 2015, 5, 16538.	1.6	45
22	Magnesium restriction induces granulocytic differentiation and expression of P27Kip1 in human leukemic HL-60 cells. Journal of Cellular Biochemistry, 1998, 70, 313-322.	1.2	41
23	Regulation of magnesium content during proliferation of mammary epithelial cells (HC-11). Frontiers in Bioscience - Landmark, 2004, 9, 2056.	3.0	39
24	Dysregulation of Mg ²⁺ homeostasis contributes to acquisition of cancer hallmarks. Cell Calcium, 2019, 83, 102078.	1.1	36
25	Peripheral lymphocyte 8-OHdG levels correlate with age-associated increase of tissue oxidative DNA damage in Sprague?Dawley rats. Protective effects of caloric restriction. Experimental Gerontology, 2005, 40, 181-188.	1.2	35
26	From magnesium to magnesium transporters in cancer: TRPM7, a novel signature in tumour development. Magnesium Research, 2013, 26, 149-155.	0.4	35
27	Regulation of Magnesium Efflux from Rat Spleen Lymphocytes. Archives of Biochemistry and Biophysics, 1997, 344, 397-403.	1.4	34
28	TRPM6 is Essential for Magnesium Uptake and Epithelial Cell Function in the Colon. Nutrients, 2018, 10, 784.	1.7	32
29	Age-dependent modifications of expression level of VEGF and its receptors in the inner ear. Experimental Gerontology, 2004, 39, 1253-1258.	1.2	31
30	Magnesium Deficiency Affects Mammary Epithelial Cell Proliferation: Involvement of Oxidative Stress. Nutrition and Cancer, 2009, 61, 131-136.	0.9	30
31	Insights Into the Mechanisms Involved in Magnesium-Dependent Inhibition of Primary Tumor Growth. Nutrition and Cancer, 2007, 59, 192-198.	0.9	28
32	A Simple Spectrofluorometric Assay to Measure Total Intracellular Magnesium by a Hydroxyquinoline Derivative. Journal of Fluorescence, 2009, 19, 11-19.	1.3	27
33	Regulation of Intracellular Magnesium in Ascites Cells: Involvement of Different Regulatory Pathways. Archives of Biochemistry and Biophysics, 1996, 331, 194-200.	1.4	26
34	Isolation of Normal Epithelial Cells Adapted to Grow at Nonphysiological Concentration of Magnesium. Biochemical and Biophysical Research Communications, 2001, 286, 752-757.	1.0	26
35	Modulation of TRPM6 and Na ⁺ /Mg ²⁺ exchange in mammary epithelial cells in response to variations of magnesium availability. Journal of Cellular Physiology, 2010, 222, 374-381.	2.0	25
36	Diaza-18-crown-6 hydroxyquinoline derivatives as flexible tools for the assessment and imaging of total intracellular magnesium. Chemical Science, 2012, 3, 727-734.	3.7	25

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37	Magnesium and the control of cell proliferation: looking for a needle in a haystack. <i>Magnesium Research</i> , 2008, 21, 83-91.	0.4	24
38	Characterization of the cell growth inhibitory effects of a novel DNA-intercalating bipyridyl-thiourea-Pt(II) complex in cisplatin-sensitive and "resistant human ovarian cancer cells. <i>Investigational New Drugs</i> , 2011, 29, 73-86.	1.2	23
39	Dietary Magnesium Alleviates Experimental Murine Colitis Through Upregulation of the Transient Receptor Potential Melastatin 6 Channel. <i>Inflammatory Bowel Diseases</i> , 2018, 24, 2198-2210.	0.9	23
40	TRPM7: Channeling the Future of Cellular Magnesium Homeostasis?. <i>Science Signaling</i> , 2004, 2004, pe23-pe23.	1.6	22
41	Age-related Histopathological Changes of the Stria Vascularis: An Experimental Model: Cambios histopatológicos relacionados con la edad en la estría vascular: Un modelo experimental. <i>International Journal of Audiology</i> , 2001, 40, 322-326.	0.9	20
42	Intracellular concentration map of magnesium in whole cells by combined use of X-ray fluorescence microscopy and atomic force microscopy. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2011, 66, 834-840.	1.5	20
43	Hypomagnesaemia in oncologic patients: to treat or not to treat?. <i>Magnesium Research</i> , 2009, 22, 5-9.	0.4	19
44	Intracellular Magnesium Detection by Fluorescent Indicators. <i>Methods in Enzymology</i> , 2012, 505, 421-444.	0.4	17
45	The different expression of TRPM7 and MagT1 impacts on the proliferation of colon carcinoma cells sensitive or resistant to doxorubicin. <i>Scientific Reports</i> , 2017, 7, 40538.	1.6	16
46	Expression of vascular endothelial growth factor and its receptors in the cochlea of various experimental animals. <i>Acta Oto-Laryngologica</i> , 2005, 125, 1152-1157.	0.3	15
47	MagT1: a highly specific magnesium channel with important roles beyond cellular magnesium homeostasis. <i>Magnesium Research</i> , 2011, 24, 86-91.	0.4	15
48	Multidrug resistance phenotypes and MRS2 mitochondrial magnesium channel: Two players from one stemness?. <i>Cancer Biology and Therapy</i> , 2009, 8, 615-617.	1.5	14
49	Effect of extracellular magnesium on Topoisomerase II activity and expression in human leukemia HL-60 cells. <i>Journal of Cellular Biochemistry</i> , 2000, 78, 325-333.	1.2	12
50	Magnesium Absorption in Intestinal Cells: Evidence of Cross-Talk between EGF and TRPM6 and Novel Implications for Cetuximab Therapy. <i>Nutrients</i> , 2020, 12, 3277.	1.7	11
51	EGF stimulates Mg ²⁺ influx in mammary epithelial cells. <i>Biochemical and Biophysical Research Communications</i> , 2014, 454, 572-575.	1.0	9
52	The effect of Mg ²⁺ upon 6-phosphofructokinase activity in ehrlich ascites tumor cells in vivo. <i>Archives of Biochemistry and Biophysics</i> , 1989, 275, 174-180.	1.4	8
53	Variant ATRX Syndrome with Dysfunction of ATRX and MAGT1 Genes. <i>Human Mutation</i> , 2014, 35, 58-62.	1.1	7
54	The TRPM7 channel kinase: rekindling an old flame or not?. <i>Cardiovascular Research</i> , 2020, 116, 476-478.	1.8	6

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55	Magnesium in cancer: more questions than answers. , 2011, , 217-228.		6
56	Calcium binding by parathyroid cell plasma membranes. Cell Calcium, 1987, 8, 171-183.	1.1	5
57	Magnesium Modulates Doxorubicin Activity through Drug Lysosomal Sequestration and Trafficking. Chemical Research in Toxicology, 2016, 29, 317-322.	1.7	5
58	The effect of magnesium on glycolysis of permeabilized Ehrlich Ascites tumor cells. Biochemical and Biophysical Research Communications, 1991, 179, 1000-1005.	1.0	4
59	TRPM7 and magnesium, metabolism, mitosis: An old path with new pebbles. Cell Cycle, 2010, 9, 3399-3399.	1.3	4
60	Dietary Mg ²⁺ regulates the epithelial Mg ²⁺ channel TRPM6 in rat mammary tissue. Magnesium Research, 2011, 24, 122-129.	0.4	4
61	Mitochondrial magnesium to the rescue. Magnesium Research, 2015, 28, 79-84.	0.4	3
62	Magnesium and the Yin-Yang interplay in apoptosis. , 2011, , 85-98.		3
63	International infectious diseases teaching to undergraduate medical students: A successful European collaborative experience. Medical Teacher, 2017, 39, 981-986.	1.0	3
64	Biochemical and morphological characterization of a plasma membrane-enriched fraction from bovine parathyroid cells. Archives of Biochemistry and Biophysics, 1984, 232, 92-101.	1.4	2
65	A pilot experience of common European infectious diseases curriculum for medical students: the IDEAL summer school. Future Microbiology, 2019, 14, 369-372.	1.0	1
66	Mammary Epithelial Cells Modulate TRPM6 Expression in Response to Variations of Magnesium Availability. FASEB Journal, 2010, 24, .	0.2	0
67	Tumor Development Through the Mg ²⁺ -nifying Glass. Molecular and Integrative Toxicology, 2017, , 19-38.	0.5	0