Federica I Wolf

List of Publications by Year
in descending order

67	3,319	172386	143943
papers	citations	29 h-index	57 g-index

70	70	70	3967
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The TRPM7 channel kinase: rekindling an old flame or not?. Cardiovascular Research, 2020, 116, 476-478.	1.8	6
2	Magnesium Absorption in Intestinal Cells: Evidence of Cross-Talk between EGF and TRPM6 and Novel Implications for Cetuximab Therapy. Nutrients, 2020, 12, 3277.	1.7	11
3	Dysregulation of Mg2+ homeostasis contributes to acquisition of cancer hallmarks. Cell Calcium, 2019, 83, 102078.	1.1	36
4	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
5	Dietary Magnesium Alleviates Experimental Murine Colitis Through Upregulation of the Transient Receptor Potential Melastatin 6 Channel. Inflammatory Bowel Diseases, 2018, 24, 2198-2210.	0.9	23
6	TRPM6 is Essential for Magnesium Uptake and Epithelial Cell Function in the Colon. Nutrients, 2018, 10, 784.	1.7	32
7	The different expression of TRPM7 and MagT1 impacts on the proliferation of colon carcinoma cells sensitive or resistant to doxorubicin. Scientific Reports, 2017, 7, 40538.	1.6	16
8	International infectious diseases teaching to undergraduate medical students: A successful European collaborative experience. Medical Teacher, 2017, 39, 981-986.	1.0	3
9	Tumor Development Through the Mg2+nifying Glass. Molecular and Integrative Toxicology, 2017, , 19-38.	0.5	0
10	Magnesium Modulates Doxorubicin Activity through Drug Lysosomal Sequestration and Trafficking. Chemical Research in Toxicology, 2016, 29, 317-322.	1.7	5
11	Magnesium homeostasis in colon carcinoma LoVo cells sensitive or resistant to doxorubicin. Scientific Reports, 2015, 5, 16538.	1.6	45
12	Mitochondrial magnesium to the rescue. Magnesium Research, 2015, 28, 79-84.	0.4	3
13	Variant ATRX Syndrome with Dysfunction ofATRXandMAGT1Genes. Human Mutation, 2014, 35, 58-62.	1.1	7
14	EGF stimulates Mg2+ influx in mammary epithelial cells. Biochemical and Biophysical Research Communications, 2014, 454, 572-575.	1.0	9
15	From magnesium to magnesium transporters in cancer: TRPM7, a novel signature in tumour development. Magnesium Research, 2013, 26, 149-155.	0.4	35
16	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
17	Magnesium and its transporters in cancer: a novel paradigm in tumour development. Clinical Science, 2012, 123, 417-427.	1.8	54
18	Intracellular Magnesium Detection by Fluorescent Indicators. Methods in Enzymology, 2012, 505, 421-444.	0.4	17

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19	Dietary Mg2+ regulates the epithelial Mg2+ channel TRPM6 in rat mammary tissue. Magnesium Research, 2011, 24, 122-129.	0.4	4
20	MagT1: a highly specific magnesium channel with important roles beyond cellular magnesium homeostasis. Magnesium Research, 2011, 24, 86-91.	0.4	15
21	Intracellular concentration map of magnesium in whole cells by combined use of X-ray fluorescence microscopy and atomic force microscopy. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2011, 66, 834-840.	1.5	20
22	Characterization of the cell growth inhibitory effects of a novel DNA-intercalating bipyridyl-thiourea-Pt(II) complex in cisplatin-sensitive andâ€”resistant human ovarian cancer cells. Investigational New Drugs, 2011, 29, 73-86.	1.2	23
23	Magnesium and the Yin-Yang interplay in apoptosis. , 2011, , 85-98.		3
24	Magnesium in cancer: more questions than answers. , 2011, , 217-228.		6
25	Modulation of TRPM6 and Na⁺/Mg²⁺ exchange in mammary epithelial cells in response to variations of magnesium availability. Journal of Cellular Physiology, 2010, 222, 374-381.	2.0	25
26	TRPM7 and magnesium, metabolism, mitosis: An old path with new pebbles. Cell Cycle, 2010, 9, 3399-3399.	1.3	4
27	Intracellular magnesium detection: imaging a brighter future. Analyst, The, 2010, 135, 1855.	1.7	75
28	Mammary Epithelial Cells Modulate TRPM6 Expression in Response to Variations of Magnesium Availability. FASEB Journal, 2010, 24, .	0.2	0
29	Hypomagnesaemia inÂoncologic patients: toÂtreat orÂnot toÂtreat?. Magnesium Research, 2009, 22, 5-9.	0.4	19
30	Magnesium Deficiency Affects Mammary Epithelial Cell Proliferation: Involvement of Oxidative Stress. Nutrition and Cancer, 2009, 61, 131-136.	0.9	30
31	Multidrug resistance phenotypes and MRS2 mitochondrial magnesium channel: Two players from one stemness?. Cancer Biology and Therapy, 2009, 8, 615-617.	1.5	14
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	Magnesium and tumors: Ally or foe?. Cancer Treatment Reviews, 2009, 35, 378-382.	3.4	55
34	Cell (patho)physiology of magnesium. Clinical Science, 2008, 114, 27-35.	1.8	157
35	Magnesium and the control of cell proliferation: looking for a needle in a haystack. Magnesium Research, 2008, 21, 83-91.	0.4	24
36	Insights Into the Mechanisms Involved in Magnesium-Dependent Inhibition of Primary Tumor Growth. Nutrition and Cancer, 2007, 59, 192-198.	0.9	28

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37	8-Hydroxyquinoline Derivatives as Fluorescent Sensors for Magnesium in Living Cells. Journal of the American Chemical Society, 2006, 128, 344-350.	6.6	273
38	DNA damage and apoptosis induction by the pesticide Mancozeb in rat cells: Involvement of the oxidative mechanism. Toxicology and Applied Pharmacology, 2006, 211, 87-96.	1.3	153
39	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
40	50-Hz extremely low frequency electromagnetic fields enhance cell proliferation and DNA damage: possible involvement of a redox mechanism. Biochimica Et Biophysica Acta - Molecular Cell Research, 2005, 1743, 120-129.	1.9	233
41	Expression of vascular endothelial growth factor and its receptors in the cochlea of various experimental animals. Acta Oto-Laryngologica, 2005, 125, 1152-1157.	0.3	15
42	TRPM7: Channeling the Future of Cellular Magnesium Homeostasis?. Science Signaling, 2004, 2004, pe23-pe23.	1.6	22
43	Â-Carotene exacerbates DNA oxidative damage and modifies p53-related pathways of cell proliferation and apoptosis in cultured cells exposed to tobacco smoke condensate. Carcinogenesis, 2004, 25, 1315-1325.	1.3	62
44	Age-dependent modifications of expression level of VEGF and its receptors in the inner ear. Experimental Gerontology, 2004, 39, 1253-1258.	1.2	31
45	Effects of 50Hz electromagnetic fields on voltage-gated Ca2+ channels and their role in modulation of neuroendocrine cell proliferation and death. Cell Calcium, 2004, 35, 307-315.	1.1	187
46	Magnesium deficiency inhibits primary tumor growth but favors metastasis in mice. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2004, 1739, 26-32.	1.8	66
47	Regulation of magnesium content during proliferation of mammary epithelial cells (HC-11). Frontiers in Bioscience - Landmark, 2004, 9, 2056.	3.0	39
48	Chemistry and biochemistry of magnesium. Molecular Aspects of Medicine, 2003, 24, 3-9.	2.7	317
49	Cell physiology of magnesium. Molecular Aspects of Medicine, 2003, 24, 11-26.	2.7	111
50	Mechanism of Activation of Caspase Cascade During Î²-Carotene-Induced Apoptosis in Human Tumor Cells. Nutrition and Cancer, 2003, 47, 76-87.	0.9	72
51	Î²-Carotene Regulates NF-ÎºB DNA-Binding Activity by a Redox Mechanism in Human Leukemia and Colon Adenocarcinoma Cells. Journal of Nutrition, 2003, 133, 381-388.	1.3	115
52	Oxidative DNA damage as a marker of aging in WI-38 human fibroblasts. Experimental Gerontology, 2002, 37, 647-656.	1.2	77
53	Regulation of cell cycle progression and apoptosis by ?-carotene in undifferentiated and differentiated HL-60 leukemia cells: Possible involvement of a redox mechanism. International Journal of Cancer, 2002, 97, 593-600.	2.3	65
54	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

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55	Resveratrol, a natural phenolic compound, inhibits cell proliferation and prevents oxidative DNA damage. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2001, 496, 171-180.	0.9	201
56	DNA Oxidative Damage during Differentiation of HL-60 Human Promyelocytic Leukemia Cells. Chemical Research in Toxicology, 2001, 14, 1492-1497.	1.7	49
57	Age-related Histopathological Changes of the Stria Vascularis: An Experimental Model: Cambios histopatÃ³logicos relacionados con la edad en la estrÃa vascular: Un modelo experimental. International Journal of Audiology, 2001, 40, 322-326.	0.9	20
58	Effect of extracellular magnesium on Topoisomerase II activity and expression in human leukemia HL-60 cells. Journal of Cellular Biochemistry, 2000, 78, 325-333.	1.2	12
59	Magnesium in cell proliferation and differentiation. Frontiers in Bioscience - Landmark, 1999, 4, d607.	3.0	98
60	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
61	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
62	Regulation of Magnesium Efflux from Rat Spleen Lymphocytes. Archives of Biochemistry and Biophysics, 1997, 344, 397-403.	1.4	34
63	Regulation of Intracellular Magnesium in Ascites Cells: Involvement of Different Regulatory Pathways. Archives of Biochemistry and Biophysics, 1996, 331, 194-200.	1.4	26
64	The effect of magnesium on glycolysis of permeabilized Ehrlich Ascites tumor cells. Biochemical and Biophysical Research Communications, 1991, 179, 1000-1005.	1.0	4
65	The effect of Mg2+ upon 6-phosphofructokinase activity in ehrlich ascites tumor cells in vivo. Archives of Biochemistry and Biophysics, 1989, 275, 174-180.	1.4	8
66	Calcium binding by parathyroid cell plasma membranes. Cell Calcium, 1987, 8, 171-183.	1.1	5
67	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