Maria C Albertini

List of Publications by Citations

81 papers	2,457 citations	27 h-index	48 g-index
94 ext. papers	2,823 ext. citations	5.1 avg, IF	4.58 L-index

#	Paper	IF	Citations
81	Raw Millefiori honey is packed full of antioxidants. *Food Chemistry*, **2006**, 97, 217-222	8.5	190
80	Age-related differences in the expression of circulating microRNAs: miR-21 as a new circulating marker of inflammaging. *Mechanisms of Ageing and Development*, **2012**, 133, 675-85	5.6	189
79	MiR-146a as marker of senescence-associated pro-inflammatory status in cells involved in vascular remodelling. *Age*, **2013**, 35, 1157-72		155
78	MitomiRs in human inflamm-aging: a hypothesis involving miR-181a, miR-34a and miR-146a. *Experimental Gerontology*, **2014**, 56, 154-63	4.5	145
77	H2O2-induced block of glycolysis as an active ADP-ribosylation reaction protecting cells from apoptosis. *FASEB Journal*, **2000**, 14, 2266-76	0.9	130
76	DNA damage response (DDR) and senescence: shuttled inflamma-miRNAs on the stage of inflamm-aging. *Oncotarget*, **2015**, 6, 35509-21	3.3	101
75	Anti-senescence compounds: A potential nutraceutical approach to healthy aging. *Ageing Research Reviews*, **2018**, 46, 14-31	12	97
74	Melatonin modulates neonatal brain inflammation through endoplasmic reticulum stress, autophagy, and miR-34a/silent information regulator 1 pathway. *Journal of Pineal Research*, **2016**, 61, 370-80	10.4	83
73	Melatonin reduces endoplasmic reticulum stress and preserves sirtuin 1 expression in neuronal cells of newborn rats after hypoxia-ischemia. *Journal of Pineal Research*, **2014**, 57, 192-9	10.4	79
72	Erythrocyte redox state in uremic anemia: effects of hemodialysis and relevance of glutathione metabolism. *Acta Haematologica*, **1994**, 91, 187-93	2.7	65
71	Increased autophagy reduces endoplasmic reticulum stress after neonatal hypoxia-ischemia: role of protein synthesis and autophagic pathways. *Experimental Neurology*, **2014**, 255, 103-12	5.7	61
70	Redox state, antioxidative activity and lipid peroxidation in erythrocytes and plasma of chronic ambulatory peritoneal dialysis patients. *Clinica Chimica Acta*, **1995**, 234, 127-36	6.2	60
69	Excitotoxicity, neuroinflammation and oxidant stress as molecular bases of epileptogenesis and epilepsy-derived neurodegeneration: The role of vitamin E. *Biochimica Et Biophysica Acta - Molecular Basis of Disease*, **2019**, 1865, 1098-1112	6.9	55
68	Melatonin antagonizes apoptosis via receptor interaction in U937 monocytic cells. *Journal of Pineal Research*, **2007**, 43, 154-62	10.4	55
67	From Oxidative Stress Damage to Pathways, Networks, and Autophagy via MicroRNAs. *Oxidative Medicine and Cellular Longevity*, **2018**, 2018, 4968321	6.7	55
66	Static magnetic fields enhance skeletal muscle differentiation in vitro by improving myoblast alignment. *Cytometry Part A: the Journal of the International Society for Analytical Cytology*, **2007**, 71, 846-56	4.6	51
65	Hormone replacement therapy enhances IGF-1 signaling in skeletal muscle by diminishing miR-182 and miR-223 expressions: a study on postmenopausal monozygotic twin pairs. *Aging Cell*, **2014**, 13, 850-61	9.9	38

64	Static magnetic fields affect cell size, shape, orientation, and membrane surface of human glioblastoma cells, as demonstrated by electron, optic, and atomic force microscopy. *Cytometry Part A: the Journal of the International Society for Analytical Cytology*, **2006**, 69, 75-85	4.6	38
63	Lipoxygenase-mediated pro-radical effect of melatonin via stimulation of arachidonic acid metabolism. *Toxicology and Applied Pharmacology*, **2009**, 238, 170-7	4.6	37
62	Magnetic fields protect from apoptosis via redox alteration. *Annals of the New York Academy of Sciences*, **2006**, 1090, 59-68	6.5	37
61	Identification of miR-31-5p, miR-141-3p, miR-200c-3p, and GLT1 as human liver aging markers sensitive to donor-recipient age-mismatch in transplants. *Aging Cell*, **2017**, 16, 262-272	9.9	36
60	Oxidative damage during hemodialysis using a vitamin-E-modified dialysis membrane: a preliminary characterization. *Nephron*, **1997**, 77, 57-61		33
59	Intracellular pro-oxidant activity of melatonin deprives U937 cells of reduced glutathione without affecting glutathione peroxidase activity. *Annals of the New York Academy of Sciences*, **2006**, 1091, 10-6	6.5	32
58	Modulation of caspase activity regulates skeletal muscle regeneration and function in response to vasopressin and tumor necrosis factor. *PLoS ONE*, **2009**, 4, e5570	3.7	32
57	Drinking mineral waters: biochemical effects and health implications the state-of-the-art. *International Journal of Environment and Health*, **2007**, 1, 153	1.3	30
56	Vitamin E delays diabetes onset in the non-obese diabetic mouse. *Hormone and Metabolic Research*, **1994**, 26, 450-2	3.1	28
55	Antibacterial effect of a magnetic field on Serratia marcescens and related virulence to Hordeum vulgare and Rubus fruticosus callus cells. *Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology*, **2002**, 132, 359-65	2.3	27
54	Melatonin promotes Bax sequestration to mitochondria reducing cell susceptibility to apoptosis via the lipoxygenase metabolite 5-hydroxyeicosatetraenoic acid. *Mitochondrion*, **2015**, 21, 113-21	4.9	25
53	Involvement of miRNAs in placental alterations mediated by oxidative stress. *Oxidative Medicine and Cellular Longevity*, **2014**, 2014, 103068	6.7	25
52	Morphological and biochemical modifications induced by a static magnetic field on Fusarium culmorum. *Biochimie*, **2003**, 85, 963-70	4.6	25
51	Use of multiparameter analysis for Vibrio alginolyticus viable but nonculturable state determination. *Cytometry Part A: the Journal of the International Society for Analytical Cytology*, **2006**, 69, 260-5	4.6	23
50	Hyperpolarization of plasma membrane of tumor cells sensitive to antiapoptotic effects of magnetic fields. *Annals of the New York Academy of Sciences*, **2006**, 1090, 217-25	6.5	22
49	Melatonin as an apoptosis antagonist. *Annals of the New York Academy of Sciences*, **2006**, 1090, 226-33	6.5	21
48	Melatonin as a modulator of apoptosis in B-lymphoma cells. *Annals of the New York Academy of Sciences*, **2009**, 1171, 345-9	6.5	20
47	Predicting microRNA modulation in human prostate cancer using a simple String IDentifier (SID1.0). *Journal of Biomedical Informatics*, **2011**, 44, 615-20	10.2	18

46	Smart ECM-Based Electrospun Biomaterials for Skeletal Muscle Regeneration. *Nanomaterials*, **2020**, 10,	5.4	18
45	Neurobiological Correlates of Alpha-Tocopherol Antiepileptogenic Effects and MicroRNA Expression Modulation in a Rat Model of Kainate-Induced Seizures. *Molecular Neurobiology*, **2018**, 55, 7822-7838	6.2	17
44	Physical Activity Modulates the Overexpression of the Inflammatory miR-146a-5p in Obese Patients. *IUBMB Life*, **2018**, 70, 1012-1022	4.7	17
43	Chemical composition, antioxidant, antimicrobial and anti-inflammatory activity of Prunus spinosa L. fruit ethanol extract. *Journal of Functional Foods*, **2020**, 67, 103885	5.1	15
42	Static magnetic fields modulate X-ray-induced DNA damage in human glioblastoma primary cells. *Journal of Radiation Research*, **2014**, 55, 218-27	2.4	14
41	Automated analysis of morphometric parameters for accurate definition of erythrocyte cell shape. *Cytometry*, **2003**, 52, 12-8		14
40	Bicarbonate versus Lactate Buffer in Peritoneal Dialysis Solutions: The Beneficial Effect on Rbc Metabolism. *Peritoneal Dialysis International*, **1996**, 16, 511-518	2.8	14
39	How Diet Intervention via Modulation of DNA Damage Response through MicroRNAs May Have an Effect on Cancer Prevention and Aging, an in Silico Study. *International Journal of Molecular Sciences*, **2016**, 17,	6.3	14
38	Chemical composition and in vitro anti-inflammatory activity of Vitis vinifera L. (var. Sangiovese) tendrils extract. *Journal of Functional Foods*, **2016**, 20, 291-302	5.1	13
37	Baclofen, a gamma-aminobutyric acid-b receptor agonist, delays diabetes onset in the non-obese diabetic mouse. *Acta Diabetologica*, **1995**, 32, 53-6	3.9	13
36	Skeletal Muscle Atrophy in Simulated Microgravity Might Be Triggered by Immune-Related microRNAs. *Frontiers in Physiology*, **2018**, 9, 1926	4.6	12
35	Inflamm-aging microRNAs may integrate signals from food and gut microbiota by modulating common signalling pathways. *Mechanisms of Ageing and Development*, **2019**, 182, 111127	5.6	12
34	Protein import into peroxisomes: new developments. *Annals of the New York Academy of Sciences*, **1996**, 804, 34-46	6.5	11
33	MicroRNAs Bioinformatics Analyses Identifying HDAC Pathway as a Putative Target for Existing Anti-COVID-19 Therapeutics. *Frontiers in Pharmacology*, **2020**, 11, 582003	5.6	11
32	Erythrocyte Na+,K(+)-ATPase properties and adenylate energy charge in normotensives and in essential hypertensives. *Clinica Chimica Acta*, **1994**, 224, 167-79	6.2	10
31	Magnetic fields promote a pro-survival non-capacitative Ca2+ entry via phospholipase C signaling. *International Journal of Biochemistry and Cell Biology*, **2011**, 43, 393-400	5.6	9
30	Phospholipase C-dependent phosphoinositide breakdown induced by ELF-EMF in Peganum harmala calli. *Biochimie*, **2004**, 86, 343-9	4.6	9
29	Extract Loaded in Biomimetic Nanoparticles Evokes In Vitro Anti-Inflammatory and Wound Healing Activities. *Nanomaterials*, **2020**, 11,	5.4	9

28	Dietary Flaxseed Mitigates Impaired Skeletal Muscle Regeneration: in Vivo, in Vitro and in Silico Studies. *International Journal of Medical Sciences*, **2016**, 13, 206-19	3.7	9
27	Current trends in shape and texture analysis in neurology: aspects of the morphological substrate of volume and wiring transmission. *Brain Research Reviews*, **2007**, 55, 97-107		8
26	Circulating Inflamma-miRs as Potential Biomarkers of Cognitive Impairment in Patients Affected by Alzheimer's Disease. *Frontiers in Aging Neuroscience*, **2021**, 13, 647015	5.3	8
25	Aging-Related Expression of Twinfilin-1 Regulates Cholangiocyte Biological Response to Injury. *Hepatology*, **2019**, 70, 883-898	11.2	8
24	Antioxidant and Anti-Inflammaging Ability of Prune (L.) Extract Result in Improved Wound Healing Efficacy. *Antioxidants*, **2021**, 10,	7.1	7
23	Assessing the Levels of Awareness among European Citizens about the Direct and Indirect Impacts of Plastics on Human Health. *International Journal of Environmental Research and Public Health*, **2021**, 18,	4.6	7
22	Putative miRNAs for the diagnosis of dyslexia, dyspraxia, and specific language impairment. *Epigenetics*, **2013**, 8, 1023-9	5.7	6
21	Differential microRNA expression between decidual and peripheral blood natural killer cells in early pregnancy. *Human Reproduction*, **2018**, 33, 2184-2195	5.7	6
20	Sulphurous mineral water oral therapy: effects on erythrocyte metabolism. *Food and Chemical Toxicology*, **2008**, 46, 3343-50	4.7	5
19	Bioeffects of L. fruit ethanol extract on reproduction and phenotypic plasticity of Schulze, 1883 (Placozoa). *PeerJ*, **2019**, 7, e6789	3.1	5
18	The Activity of L. Essential Oil on Inflammation. *Journal of Medicinal Food*, **2018**, 21, 1238-1243	2.8	5
17	Bicarbonate versus lactate buffer in peritoneal dialysis solutions: the beneficial effect on RBC metabolism. *Peritoneal Dialysis International*, **1996**, 16, 511-8	2.8	5
16	Multiparameter analysis of apoptosis in puromycin-treated Saccharomyces cerevisiae. *Archives of Microbiology*, **2015**, 197, 773-80	3	4
15	Lipoperoxidation and glutathione-dependent enzymes in uremic anemia of CAPD patients. *Nephron* , **1997**, 76, 363		4
14	Erythrocyte morphology automated analysis: proposal for a new prediction tool of essential hypertension diagnosis. *Cytometry Part B - Clinical Cytometry*, **2007**, 72, 211-4	3.4	3
13	Cell signalling and biomaterials have a symbiotic relationship as demonstrated by a bioinformatics study: The role of surface topography. *Current Opinion in Biomedical Engineering*, **2021**, 17, 100246	4.4	3
12	Shedding light into memories under circadian rhythm system control. *Proceedings of the National Academy of Sciences of the United States of America*, **2019**, 116, 8099-8101	11.5	2
11	Chemical Composition and Antimicrobial Activity of Salvia x jamensis Essential Oil. *Natural Product Communications*, **2012**, 7, 1934578X1200700	0.9	2

10	Pathways and microRNAs bioinformatics analyses identifying possible existing therapeutics for COVID-19 treatment		2
9	Extracellular pH, osmolarity, temperature and humidity could discourage SARS-CoV-2 cell docking and propagation intercellular signaling pathways. *PeerJ*, **2021**, 9, e12227	3.1	2
8	Yield, Characterization, and Possible Exploitation of L. Roots Grown under Aeroponics Cultivation. *Molecules*, **2021**, 26,	4.8	2
7	Curcumin, Polydatin and Quercetin Synergistic Activity Protects from High-Glucose-Induced Inflammation and Oxidative Stress. *Antioxidants*, **2022**, 11, 1037	7.1	1
6	Geographical epidemiology of neonatal transitory hypothyroidism. Trend evidence in central Italian region. *Journal of Pediatric Endocrinology and Metabolism*, **2008**, 21, 377-80	1.6	0
5	Phytochemical Characterization, Antioxidant and Anti-Proliferative Properties of Rubia cordifolia L. Extracts Prepared with Improved Extraction Conditions. *Antioxidants*, **2022**, 11, 1006	7.1	0
4	Salvia x jamensis J. Compton: Trichomes, essential oil constituents and cytotoxic-apoptotic activity. *Natural Product Research*, **2013**, 27, 1583-8	2.3	
3	Morphological alterations and increased resistance to hemolysis in t-butyl hydroperoxide incubated RBC from elderly subjects. *Archives of Gerontology and Geriatrics*, **1996**, 22 Suppl 1, 423-8	4	
2	Characterization of the Biological Activity of the Ethanolic Extract from the Roots of Cannabis sativa L. Grown in Aeroponics. *Antioxidants*, **2022**, 11, 860	7.1	
1	High production of secondary metabolites and biological activities of Cydonia oblonga Mill. pulp fruit callus. *Journal of Functional Foods*, **2022**, 94, 105133	5.1	