

# Maria C Albertini

## List of Publications by Year in descending order

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89  
papers

3,231  
citations

159358

30  
h-index

155451

55  
g-index

94  
all docs

94  
docs citations

94  
times ranked

7294  
citing authors

#	ARTICLE	IF	CITATIONS
1	Raw Millefiori honey is packed full of antioxidants. <i>Food Chemistry</i> , 2006, 97, 217-222.	4.2	246
2	Age-related differences in the expression of circulating microRNAs: miR-21 as a new circulating marker of inflammaging. <i>Mechanisms of Ageing and Development</i> , 2012, 133, 675-685.	2.2	218
3	MitomiRs in human inflamm-aging: A hypothesis involving miR-181a, miR-34a and miR-146a. <i>Experimental Gerontology</i> , 2014, 56, 154-163.	1.2	179
4	MIR-146a as marker of senescence-associated pro-inflammatory status in cells involved in vascular remodelling. <i>Age</i> , 2013, 35, 1157-1172.	3.0	172
5	H <sub>2</sub> O <sub>2</sub> -induced block of glycolysis as an active ADP-ribosylation reaction protecting cells from apoptosis. <i>FASEB Journal</i> , 2000, 14, 2266-2276.	0.2	150
6	Anti-senescence compounds: A potential nutraceutical approach to healthy aging. <i>Ageing Research Reviews</i> , 2018, 46, 14-31.	5.0	130
7	DNA damage response (DDR) and senescence: shuttled inflamma-miRNAs on the stage of inflamm-aging. <i>Oncotarget</i> , 2015, 6, 35509-35521.	0.8	127
8	Melatonin modulates neonatal brain inflammation through endoplasmic reticulum stress, autophagy, and miR-34a/silent information regulator 1 pathway. <i>Journal of Pineal Research</i> , 2016, 61, 370-380.	3.4	106
9	Excitotoxicity, neuroinflammation and oxidant stress as molecular bases of epileptogenesis and epilepsy-derived neurodegeneration: The role of vitamin E. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2019, 1865, 1098-1112.	1.8	105
10	Melatonin reduces endoplasmic reticulum stress and preserves sirtuin 1 expression in neuronal cells of newborn rats after hypoxia-ischemia. <i>Journal of Pineal Research</i> , 2014, 57, 192-199.	3.4	95
11	Erythrocyte Redox State in Uremic Anemia: Effects of Hemodialysis and Relevance of Glutathione Metabolism. <i>Acta Haematologica</i> , 1994, 91, 187-193.	0.7	74
12	Increased autophagy reduces endoplasmic reticulum stress after neonatal hypoxia-ischemia: Role of protein synthesis and autophagic pathways. <i>Experimental Neurology</i> , 2014, 255, 103-112.	2.0	71
13	From Oxidative Stress Damage to Pathways, Networks, and Autophagy via MicroRNAs. <i>Oxidative Medicine and Cellular Longevity</i> , 2018, 2018, 1-16.	1.9	68
14	Redox state, antioxidative activity and lipid peroxidation in erythrocytes and plasma of chronic ambulatory peritoneal dialysis patients. <i>Clinica Chimica Acta</i> , 1995, 234, 127-136.	0.5	64
15	Static magnetic fields enhance skeletal muscle differentiation in vitro by improving myoblast alignment. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2007, 71A, 846-856.	1.1	62
16	Melatonin antagonizes apoptosis via receptor interaction in U937 monocytic cells. <i>Journal of Pineal Research</i> , 2007, 43, 154-162.	3.4	62
17	Oxidative Damage during Hemodialysis Using a Vitamin-E-Modified Dialysis Membrane: A Preliminary Characterization. <i>Nephron</i> , 1997, 77, 57-61.	0.6	54
18	Static magnetic fields affect cell size, shape, orientation, and membrane surface of human glioblastoma cells, as demonstrated by electron, optic, and atomic force microscopy. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2006, 69A, 75-85.	1.1	50

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19	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. <i>Aging Cell</i> , 2017, 16, 262-272.	3.0	48
20	Magnetic Fields Protect from Apoptosis via Redox Alteration. <i>Annals of the New York Academy of Sciences</i> , 2006, 1090, 59-68.	1.8	47
21	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. <i>Aging Cell</i> , 2014, 13, 850-861.	3.0	47
22	Drinking mineral waters: biochemical effects and health implications the state-of-the-art. <i>International Journal of Environment and Health</i> , 2007, 1, 153.	0.3	46
23	Lipoxygenase-mediated pro-radical effect of melatonin via stimulation of arachidonic acid metabolism. <i>Toxicology and Applied Pharmacology</i> , 2009, 238, 170-177.	1.3	42
24	Modulation of Caspase Activity Regulates Skeletal Muscle Regeneration and Function in Response to Vasopressin and Tumor Necrosis Factor. <i>PLoS ONE</i> , 2009, 4, e5570.	1.1	39
25	Chemical composition, antioxidant, antimicrobial and anti-inflammatory activity of <i>Prunus spinosa</i> L. fruit ethanol extract. <i>Journal of Functional Foods</i> , 2020, 67, 103885.	1.6	37
26	Smart ECM-Based Electrospun Biomaterials for Skeletal Muscle Regeneration. <i>Nanomaterials</i> , 2020, 10, 1781.	1.9	34
27	Involvement of miRNAs in Placental Alterations Mediated by Oxidative Stress. <i>Oxidative Medicine and Cellular Longevity</i> , 2014, 2014, 1-7.	1.9	33
28	Melatonin promotes Bax sequestration to mitochondria reducing cell susceptibility to apoptosis via the lipoxygenase metabolite 5-hydroxyeicosatetraenoic acid. <i>Mitochondrion</i> , 2015, 21, 113-121.	1.6	33
29	MicroRNAs Bioinformatics Analyses Identifying HDAC Pathway as a Putative Target for Existing Anti-€COVID-19 Therapeutics. <i>Frontiers in Pharmacology</i> , 2020, 11, 582003.	1.6	33
30	Intracellular Pro-oxidant Activity of Melatonin Deprives U937 Cells of Reduced Glutathione without Affecting Glutathione Peroxidase Activity. <i>Annals of the New York Academy of Sciences</i> , 2006, 1091, 10-16.	1.8	32
31	Antibacterial effect of a magnetic field on <i>Serratia marcescens</i> and related virulence to <i>Hordeum vulgare</i> and <i>Rubus fruticosus</i> callus cells. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2002, 132, 359-365.	0.7	31
32	Neurobiological Correlates of Alpha-Tocopherol Antiepileptogenic Effects and MicroRNA Expression Modulation in a Rat Model of Kainate-Induced Seizures. <i>Molecular Neurobiology</i> , 2018, 55, 7822-7838.	1.9	31
33	Vitamin E Delays Diabetes Onset in the Non-Obese Diabetic Mouse. <i>Hormone and Metabolic Research</i> , 1994, 26, 450-452.	0.7	29
34	Morphological and biochemical modifications induced by a static magnetic field on <i>Fusarium culmorum</i> . <i>Biochimie</i> , 2003, 85, 963-970.	1.3	26
35	Hyperpolarization of Plasma Membrane of Tumor Cells Sensitive to Antiapoptotic Effects of Magnetic Fields. <i>Annals of the New York Academy of Sciences</i> , 2006, 1090, 217-225.	1.8	26
36	Physical Activity Modulates the Overexpression of the Inflammatory miR-146a-5p in Obese Patients. <i>IUBMB Life</i> , 2018, 70, 1012-1022.	1.5	26

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37	Use of multiparameter analysis for <i>Vibrio alginolyticus</i> viable but nonculturable state determination. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2006, 69A, 260-265.	1.1	25
38	Melatonin as an Apoptosis Antagonist. <i>Annals of the New York Academy of Sciences</i> , 2006, 1090, 226-233.	1.8	24
39	Melatonin as a Modulator of Apoptosis in B-lymphoma Cells. <i>Annals of the New York Academy of Sciences</i> , 2009, 1171, 345-349.	1.8	24
40	Assessing the Levels of Awareness among European Citizens about the Direct and Indirect Impacts of Plastics on Human Health. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 3116.	1.2	24
41	Magnetic fields promote a pro-survival non-capacitative Ca <sup>2+</sup> entry via phospholipase C signaling. <i>International Journal of Biochemistry and Cell Biology</i> , 2011, 43, 393-400.	1.2	22
42	Circulating Inflammation-miRs as Potential Biomarkers of Cognitive Impairment in Patients Affected by Alzheimer's Disease. <i>Frontiers in Aging Neuroscience</i> , 2021, 13, 647015.	1.7	22
43	Antioxidant and Anti-Inflammation Ability of Prune ( <i>Prunus Spinosa</i> L.) Extract Result in Improved Wound Healing Efficacy. <i>Antioxidants</i> , 2021, 10, 374.	2.2	21
44	Predicting microRNA modulation in human prostate cancer using a simple String Identifier (SID1.0). <i>Journal of Biomedical Informatics</i> , 2011, 44, 615-620.	2.5	20
45	How Diet Intervention via Modulation of DNA Damage Response through MicroRNAs May Have an Effect on Cancer Prevention and Aging, an <i>in Silico</i> Study. <i>International Journal of Molecular Sciences</i> , 2016, 17, 752.	1.8	20
46	Inflammation-aging microRNAs may integrate signals from food and gut microbiota by modulating common signalling pathways. <i>Mechanisms of Ageing and Development</i> , 2019, 182, 111127.	2.2	19
47	Automated analysis of morphometric parameters for accurate definition of erythrocyte cell shape. <i>Cytometry</i> , 2003, 52A, 12-18.	1.8	18
48	Static magnetic fields modulate X-ray-induced DNA damage in human glioblastoma primary cells. <i>Journal of Radiation Research</i> , 2014, 55, 218-227.	0.8	18
49	Differential microRNA expression between decidual and peripheral blood natural killer cells in early pregnancy. <i>Human Reproduction</i> , 2018, 33, 2184-2195.	0.4	18
50	Dietary Flaxseed Mitigates Impaired Skeletal Muscle Regeneration: <i>in Vivo</i> , <i>in Vitro</i> and <i>in Silico</i> Studies. <i>International Journal of Medical Sciences</i> , 2016, 13, 206-219.	1.1	17
51	Skeletal Muscle Atrophy in Simulated Microgravity Might Be Triggered by Immune-Related microRNAs. <i>Frontiers in Physiology</i> , 2018, 9, 1926.	1.3	17
52	<i>Prunus spinosa</i> Extract Loaded in Biomimetic Nanoparticles Evokes <i>In Vitro</i> Anti-Inflammatory and Wound Healing Activities. <i>Nanomaterials</i> , 2021, 11, 36.	1.9	17
53	Baclofen, a gamma-aminobutyric acid-b receptor agonist, delays diabetes onset in the non-obese diabetic mouse. <i>Acta Diabetologica</i> , 1995, 32, 53-56.	1.2	16
54	Chemical composition and <i>in vitro</i> anti-inflammatory activity of <i>Vitis vinifera</i> L. (var. Sangiovese) tendrils extract. <i>Journal of Functional Foods</i> , 2016, 20, 291-302.	1.6	15

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55	Bicarbonate versus Lactate Buffer in Peritoneal Dialysis Solutions: The Beneficial Effect on Rbc Metabolism. <i>Peritoneal Dialysis International</i> , 1996, 16, 511-518.	1.1	14
56	Protein Import into Peroxisomes: New Developments. <i>Annals of the New York Academy of Sciences</i> , 1996, 804, 34-46.	1.8	14
57	How Aging and Oxidative Stress Influence the Cytopathic and Inflammatory Effects of SARS-CoV-2 Infection: The Role of Cellular Glutathione and Cysteine Metabolism. <i>Antioxidants</i> , 2022, 11, 1366.	2.2	14
58	Yield, Characterization, and Possible Exploitation of Cannabis Sativa L. Roots Grown under Aeroponics Cultivation. <i>Molecules</i> , 2021, 26, 4889.	1.7	11
59	Erythrocyte Na <sup>+</sup> ,K <sup>+</sup> -ATPase properties and adenylate energy charge in normotensives and in essential hypertensives. <i>Clinica Chimica Acta</i> , 1994, 224, 167-179.	0.5	10
60	Phospholipase C-dependent phosphoinositide breakdown induced by ELF-EMF in <i>Peganum harmala</i> calli. <i>Biochimie</i> , 2004, 86, 343-349.	1.3	10
61	The <i>In Vitro</i> Activity of <i>Angelica archangelica</i> L. Essential Oil on Inflammation. <i>Journal of Medicinal Food</i> , 2018, 21, 1238-1243.	0.8	10
62	Current trends in shape and texture analysis in neurology: Aspects of the morphological substrate of volume and wiring transmission. <i>Brain Research Reviews</i> , 2007, 55, 97-107.	9.1	9
63	Aging-Related Expression of Twinfilin-1 Regulates Cholangiocyte Biological Response to Injury. <i>Hepatology</i> , 2019, 70, 883-898.	3.6	9
64	Cell signalling and biomaterials have a symbiotic relationship as demonstrated by a bioinformatics study: The role of surface topography. <i>Current Opinion in Biomedical Engineering</i> , 2021, 17, 100246.	1.8	9
65	Curcumin, Polydatin and Quercetin Synergistic Activity Protects from High-Glucose-Induced Inflammation and Oxidative Stress. <i>Antioxidants</i> , 2022, 11, 1037.	2.2	8
66	Sulphurous mineral water oral therapy: Effects on erythrocyte metabolism. <i>Food and Chemical Toxicology</i> , 2008, 46, 3343-3350.	1.8	7
67	Bioeffects of <i>Prunus spinosa</i> L. fruit ethanol extract on reproduction and phenotypic plasticity of <i>Trichoplax adhaerens</i> Schulze, 1883 (Placozoa). <i>PeerJ</i> , 2019, 7, e6789.	0.9	7
68	Characterization of the Biological Activity of the Ethanolic Extract from the Roots of Cannabis sativa L. Grown in Aeroponics. <i>Antioxidants</i> , 2022, 11, 860.	2.2	7
69	Putative miRNAs for the diagnosis of dyslexia, dyspraxia, and specific language impairment. <i>Epigenetics</i> , 2013, 8, 1023-1029.	1.3	6
70	Bicarbonate versus lactate buffer in peritoneal dialysis solutions: the beneficial effect on RBC metabolism. <i>Peritoneal Dialysis International</i> , 1996, 16, 511-8.	1.1	6
71	High production of secondary metabolites and biological activities of <i>Cydonia oblonga</i> Mill. pulp fruit callus. <i>Journal of Functional Foods</i> , 2022, 94, 105133.	1.6	6
72	Human-rat integrated microRNAs profiling identified a new neonatal cerebral hypoxic-ischemic pathway melatonin-sensitive. <i>Journal of Pineal Research</i> , 2022, 73, .	3.4	6

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73	Lipoperoxidation and Glutathione-Dependent Enzymes in Uremic Anemia of CAPD Patients. <i>Nephron</i> , 1997, 76, 363-363.	0.6	4
74	Multiparameter analysis of apoptosis in puromycin-treated <i>Saccharomyces cerevisiae</i> . <i>Archives of Microbiology</i> , 2015, 197, 773-780.	1.0	4
75	Phytochemical Characterization, Antioxidant and Anti-Proliferative Properties of <i>Rubia cordifolia</i> L. Extracts Prepared with Improved Extraction Conditions. <i>Antioxidants</i> , 2022, 11, 1006.	2.2	4
76	Erythrocyte morphology automated analysis: Proposal for a new prediction tool of essential hypertension diagnosis. <i>Cytometry Part B - Clinical Cytometry</i> , 2007, 72B, 211-214.	0.7	3
77	Chemical Composition and Antimicrobial Activity of <i>Salvia x jamensis</i> Essential Oil. <i>Natural Product Communications</i> , 2012, 7, 1934578X1200700.	0.2	3
78	Shedding light into memories under circadian rhythm system control. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 8099-8101.	3.3	3
79	Extracellular pH, osmolarity, temperature and humidity could discourage SARS-CoV-2 cell docking and propagation <i>via</i> intercellular signaling pathways. <i>PeerJ</i> , 2021, 9, e12227.	0.9	3
80	Geographical Epidemiology of Neonatal Transitory Hypothyroidism. Trend Evidence in Central Italian Region. <i>Journal of Pediatric Endocrinology and Metabolism</i> , 2008, 21, 377-80.	0.4	2
81	Transautophagy: Research and Translation of Autophagy Knowledge 2020. <i>Oxidative Medicine and Cellular Longevity</i> , 2022, 2022, 1-3.	1.9	2
82	The Use of Quercetin to Improve the Antioxidant and Regenerative Properties of Frozen or Cryopreserved Human Amniotic Membrane. <i>Antioxidants</i> , 2022, 11, 1250.	2.2	2
83	Transautophagy: Research and Translation of Autophagy Knowledge. <i>Oxidative Medicine and Cellular Longevity</i> , 2018, 2018, 1-3.	1.9	1
84	Morphological alterations and increased resistance to hemolysis in t-butyl hydroperoxide incubated rbc from elderly subjects. <i>Archives of Gerontology and Geriatrics</i> , 1996, 22, 423-428.	1.4	0
85	<i>Salvia x jamensis</i>. Compton: Trichomes, essential oil constituents and cytotoxic-apoptotic activity. <i>Natural Product Research</i> , 2013, 27, 1583-1588.	1.0	0
86	Identification of Twinfilin-1 as a key regulator of cholangiocyte biological response to injury: Evidence for a possible role of ageing in the progression of cholangiopathies. <i>Digestive and Liver Disease</i> , 2017, 49, e13.	0.4	0
87	OC.13.6: Identification of Twinfilin-1 as a Key Regulator of Cholangiocyte Biological Response to Injury: Evidence for a Possible Role of Ageing in the Progression of Cholangiopathies. <i>Digestive and Liver Disease</i> , 2017, 49, e114.	0.4	0
88	Identification of Twinfilin-1 as a key regulator of cholangiocyte biological response to injury: evidence for a possible role of ageing in the progression of cholangiopathies. <i>Journal of Hepatology</i> , 2017, 66, S557.	1.8	0
89	Ageing-related expression of Twinfilin-1 regulates cholangiocyte biological response to injury. <i>Digestive and Liver Disease</i> , 2018, 50, e357-e358.	0.4	0