

# Angela Maria Rizzo

## List of Publications by Year in descending order

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84  
papers

2,351  
citations

186265

28  
h-index

233421

45  
g-index

85  
all docs

85  
docs citations

85  
times ranked

3666  
citing authors

#	ARTICLE	IF	CITATIONS
1	Fasting-Mimicking Diet Is Safe and Reshapes Metabolism and Antitumor Immunity in Patients with Cancer. <i>Cancer Discovery</i> , 2022, 12, 90-107.	9.4	124
2	Effects of n-3 PUFAs on breast cancer cells through their incorporation in plasma membrane. <i>Lipids in Health and Disease</i> , 2011, 10, 73.	3.0	101
3	Endogenous Antioxidants and Radical Scavengers. <i>Advances in Experimental Medicine and Biology</i> , 2010, 698, 52-67.	1.6	98
4	Effect of Omega-3 Fatty Acids Supplementation on Depressive Symptoms and on Health-Related Quality of Life in the Treatment of Elderly Women with Depression: A Double-Blind, Placebo-Controlled, Randomized Clinical Trial. <i>Journal of the American College of Nutrition</i> , 2010, 29, 55-64.	1.8	96
5	Liposome-Encapsulated Doxorubicin Reverses Drug Resistance by Inhibiting P-Glycoprotein in Human Cancer Cells. <i>Molecular Pharmaceutics</i> , 2011, 8, 683-700.	4.6	93
6	Omega 3 fatty acids chemosensitize multidrug resistant colon cancer cells by down-regulating cholesterol synthesis and altering detergent resistant membranes composition. <i>Molecular Cancer</i> , 2013, 12, 137.	19.2	84
7	Tardigrade Resistance to Space Effects: First Results of Experiments on the LIFE-TARSE Mission on FOTON-M3 (September 2007). <i>Astrobiology</i> , 2009, 9, 581-591.	3.0	81
8	Antioxidant defences in hydrated and desiccated states of the tardigrade <i>Paramacrobiotus richtersi</i> . <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2010, 156, 115-121.	1.6	78
9	Omega-3 PUFA Loaded in Resveratrol-Based Solid Lipid Nanoparticles: Physicochemical Properties and Antineoplastic Activities in Human Colorectal Cancer Cells In Vitro. <i>International Journal of Molecular Sciences</i> , 2018, 19, 586.	4.1	78
10	Chemical Physical Changes in Cell Membrane Microdomains of Breast Cancer Cells After Omega-3 PUFA Incorporation. <i>Cell Biochemistry and Biophysics</i> , 2012, 64, 45-59.	1.8	77
11	Blood profiles, body fat and mood state in healthy subjects on different diets supplemented with Omega-3 polyunsaturated fatty acids. <i>European Journal of Clinical Investigation</i> , 2005, 35, 499-507.	3.4	72
12	Effects of Long-Term Space Flight on Erythrocytes and Oxidative Stress of Rodents. <i>PLoS ONE</i> , 2012, 7, e32361.	2.5	65
13	Long chain omega 3 polyunsaturated fatty acids supplementation in the treatment of elderly depression: Effects on depressive symptoms, on phospholipids fatty acids profile and on health-related quality of life. <i>Journal of Nutrition, Health and Aging</i> , 2011, 15, 37-44.	3.3	62
14	Comparison between the AA/EPA ratio in depressed and non depressed elderly females: omega-3 fatty acid supplementation correlates with improved symptoms but does not change immunological parameters. <i>Nutrition Journal</i> , 2012, 11, 82.	3.4	59
15	What can we learn from the toughest animals of the Earth? Water bears (tardigrades) as multicellular model organisms in order to perform scientific preparations for lunar exploration. <i>Planetary and Space Science</i> , 2012, 74, 97-102.	1.7	54
16	Characterization of Antioxidant Potential of Seaweed Extracts for Enrichment of Convenience Food. <i>Antioxidants</i> , 2020, 9, 249.	5.1	53
17	Plasma, red blood cells phospholipids and clinical evaluation after long chain omega-3 supplementation in children with attention deficit hyperactivity disorder (ADHD). <i>Nutritional Neuroscience</i> , 2007, 10, 1-9.	3.1	50
18	MFSD2A Promotes Endothelial Generation of Inflammation-Resolving Lipid Mediators and Reduces Colitis in Mice. <i>Gastroenterology</i> , 2017, 153, 1363-1377.e6.	1.3	48

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19	A rapid method for determining arachidonic:eicosapentaenoic acid ratios in whole blood lipids: correlation with erythrocyte membrane ratios and validation in a large Italian population of various ages and pathologies. <i>Lipids in Health and Disease</i> , 2010, 9, 7.	3.0	44
20	ω-3 Long Chain Polyunsaturated Fatty Acids as Sensitizing Agents and Multidrug Resistance Revertants in Cancer Therapy. <i>International Journal of Molecular Sciences</i> , 2017, 18, 2770.	4.1	44
21	Antioxidant metabolism of <i>Xenopus laevis</i> embryos during the first days of development. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2007, 146, 94-100.	1.6	43
22	Microgravity-driven remodeling of the proteome reveals insights into molecular mechanisms and signal networks involved in response to the space flight environment. <i>Journal of Proteomics</i> , 2016, 137, 3-18.	2.4	40
23	Melatonin: circadian rhythm regulator, chronobiotic, antioxidant and beyond. <i>Clinics in Dermatology</i> , 2009, 27, 202-209.	1.6	39
24	Changes in Red Blood Cell membrane lipid composition: A new perspective into the pathogenesis of PKAN. <i>Molecular Genetics and Metabolism</i> , 2017, 121, 180-189.	1.1	34
25	Resistance of the anhydrobiotic eutardigrade <i>Paramacrobiotus richtersi</i> to space flight (LIFEâ€TARSE mission on FOTONâ€M3). <i>Journal of Zoological Systematics and Evolutionary Research</i> , 2011, 49, 98-103.	1.4	31
26	Atomic force microscopy imaging of lipid rafts of human breast cancer cells. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2012, 1818, 2943-2949.	2.6	31
27	Heterogeneous and self-organizing mineralization of bone matrix promoted by hydroxyapatite nanoparticles. <i>Nanoscale</i> , 2017, 9, 17274-17283.	5.6	31
28	Effects of two-months balanced diet in metabolically healthy obesity: lipid correlations with gender and BMI-related differences. <i>Lipids in Health and Disease</i> , 2015, 14, 139.	3.0	30
29	Glycemic Index, Glycemic Load: New Evidence for a Link with Acne. <i>Journal of the American College of Nutrition</i> , 2009, 28, 450S-454S.	1.8	29
30	Exploiting Fasting-mimicking Diet and METformin to Improve the Efficacy of Platinum-pemetrexed Chemotherapy in Advanced LKB1-inactivated Lung Adenocarcinoma: The FAME Trial. <i>Clinical Lung Cancer</i> , 2019, 20, e413-e417.	2.6	27
31	Synthesis, Molecular Characterization and Preliminary Antioxidant Activity Evaluation of Quercetin Fatty Esters. <i>JAACS, Journal of the American Oil Chemists' Society</i> , 2013, 90, 1751-1759.	1.9	26
32	Methylglyoxal, Glycated Albumin, PAF, and TNF-Î±: Possible Inflammatory and Metabolic Biomarkers for Management of Gestational Diabetes. <i>Nutrients</i> , 2020, 12, 479.	4.1	26
33	Protein pattern of <i>Xenopus laevis</i> embryos grown in simulated microgravity. <i>Cell Biology International</i> , 2011, 35, 249-258.	3.0	24
34	Effect of Unloading Condition on the Healing Process and Effectiveness of Platelet Rich Plasma as a Countermeasure: Study on In Vivo and In Vitro Wound Healing Models. <i>International Journal of Molecular Sciences</i> , 2020, 21, 407.	4.1	24
35	Effects of Germline VHL Deficiency on Growth, Metabolism, and Mitochondria. <i>New England Journal of Medicine</i> , 2020, 382, 835-844.	27.0	23
36	Vitamin D and ω-3 Supplementations in Mediterranean Diet During the 1st Year of Overt Type 1 Diabetes: A Cohort Study. <i>Nutrients</i> , 2019, 11, 2158.	4.1	22

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37	Omega-3 PUFAs and vitamin D co-supplementation as a safe-effective therapeutic approach for core symptoms of autism spectrum disorder: case report and literature review. <i>Nutritional Neuroscience</i> , 2020, 23, 779-790.	3.1	21
38	Two ABCB4 point mutations of strategic NBD-motifs do not prevent protein targeting to the plasma membrane but promote MDR3 dysfunction. <i>European Journal of Human Genetics</i> , 2014, 22, 633-639.	2.8	20
39	A Fourier transform infrared spectroscopy study of cell membrane domain modifications induced by docosahexaenoic acid. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2014, 1840, 3115-3122.	2.4	20
40	The NATO project: nanoparticle-based countermeasures for microgravity-induced osteoporosis. <i>Scientific Reports</i> , 2019, 9, 17141.	3.3	19
41	Integrated plant biotechnologies applied to safer and healthier food production: The Nutra-Snack manufacturing chain. <i>Trends in Food Science and Technology</i> , 2011, 22, 353-366.	15.1	18
42	Administration of vitamin D and high dose of omega 3 to sustain remission of type 1 diabetes. <i>European Review for Medical and Pharmacological Sciences</i> , 2018, 22, 512-515.	0.7	16
43	Cholesterol, triacylglycerols and phospholipids during <i>Xenopus</i> embryo development. <i>Cell Biology International</i> , 1994, 18, 1085-1090.	3.0	15
44	Excessive stimulation of Serotonin <sub>2</sub> (5-HT <sub>2</sub> ) receptors during late development of chicken embryos causes decreased embryonic motility, interferes with hatching, and induces herniated umbilici. <i>Pharmacology Biochemistry and Behavior</i> , 1996, 53, 603-611.	2.9	15
45	Repeated Intratracheal Instillation of PM10 Induces Lipid Reshaping in Lung Parenchyma and in Extra-Pulmonary Tissues. <i>PLoS ONE</i> , 2014, 9, e106855.	2.5	15
46	Space Flight Effects on Antioxidant Molecules in Dry Tardigrades: The TARDIKISS Experiment. <i>BioMed Research International</i> , 2015, 2015, 1-7.	1.9	15
47	Lipid Reshaping and Lipophagy Are Induced in a Modeled Ischemia-Reperfusion Injury of Blood Brain Barrier. <i>International Journal of Molecular Sciences</i> , 2019, 20, 3752.	4.1	15
48	Exogenous Fatty Acids Modulate ER Lipid Composition and Metabolism in Breast Cancer Cells. <i>Cells</i> , 2021, 10, 175.	4.1	15
49	Can Type 1 diabetes progression be halted? Possible role of high dose vitamin D and omega 3 fatty acids. <i>European Review for Medical and Pharmacological Sciences</i> , 2017, 21, 1604-1609.	0.7	15
50	Glycolipid patterns during <i>xenopus</i> embryo development. <i>Cell Biology International</i> , 1995, 19, 183-190.	3.0	14
51	A Mint Purified Extract Protects Human Keratinocytes from Short-Term, Chemically Induced Oxidative Stress. <i>Journal of Agricultural and Food Chemistry</i> , 2010, 58, 11428-11434.	5.2	14
52	Glycemic index, glycemic load, wellness and beauty: the state of the art. <i>Clinics in Dermatology</i> , 2009, 27, 230-235.	1.6	13
53	Activities of glycolipid glycosyltransferases and sialidases during the early development of <i>Xenopus laevis</i> . <i>Molecular and Cellular Biochemistry</i> , 1997, 166, 117-124.	3.1	12
54	Effect of maternal diet on the distribution of phospholipids and their fatty acid composition in <i>Xenopus laevis</i> embryos. <i>Journal of Nutritional Biochemistry</i> , 1999, 10, 44-48.	4.2	11

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55	Retinoic acid induces changes in <i>Xenopus</i> embryo glycolipid pattern. <i>Cell Biology International</i> , 1995, 19, 895-902.	3.0	10
56	Simulated microgravity induce glutathione antioxidant pathway in <i>Xenopus laevis</i> embryos. <i>Cell Biology International</i> , 2009, 33, 893-898.	3.0	9
57	Ischemic conditions and $\beta$ -secretase activation: The impact of membrane cholesterol enrichment as triggering factor in rat brain endothelial cells. <i>International Journal of Biochemistry and Cell Biology</i> , 2015, 69, 95-104.	2.8	9
58	Fatty Acid Profile and Antioxidant Status Fingerprint in Sarcopenic Elderly Patients: Role of Diet and Exercise. <i>Nutrients</i> , 2019, 11, 2569.	4.1	9
59	EFFECT OF ETHANOL EXPOSURE ON XENOPUS EMBRYO LIPID COMPOSITION. <i>Alcohol and Alcoholism</i> , 2001, 36, 388-392.	1.6	8
60	Phospholipid Distribution and Fatty Acid Composition in Different Brain Regions During Chick Embryo Development. <i>Journal of Neurochemistry</i> , 2002, 64, 1728-1733.	3.9	8
61	Changes in Lipid Composition During Manganese-Induced Apoptosis in PC12 Cells. <i>Neurochemical Research</i> , 2016, 41, 258-269.	3.3	8
62	Early evidence of stress in immortalized neurons exposed to diesel particles: the role of lipid reshaping behind oxidative stress and inflammation. <i>Toxicology</i> , 2018, 409, 63-72.	4.2	8
63	Antioxidant Response during the Kinetics of Anhydrobiosis in Two Eutardigrade Species. <i>Life</i> , 2022, 12, 817.	2.4	8
64	Maternal AA/EPA Ratio and Triglycerides as Potential Biomarkers of Patients at Major Risk for Pharmacological Therapy in Gestational Diabetes. <i>Nutrients</i> , 2022, 14, 2502.	4.1	8
65	GLYCOLIPID GLYCOSYLTRANSFERASE ACTIVITIES DURING EARLY DEVELOPMENT OF XENOPUS: EFFECT OF RETINOIC ACID. <i>Cell Biology International</i> , 1999, 23, 91-95.	3.0	4
66	Structure of the main ganglioside from the brain of <i>Xenopus laevis</i> . <i>Glycoconjugate Journal</i> , 2002, 19, 53-57.	2.7	4
67	Antioxidant metabolism in <i>Xenopus laevis</i> embryos is affected by stratospheric balloon flight. <i>Cell Biology International</i> , 2007, 31, 716-723.	3.0	4
68	Biomarkers of long-chain PUFA omega-3 fatty acids and the human nutritional status. <i>Lipid Technology</i> , 2009, 21, 32-35.	0.3	4
69	Effect of IR Laser on Myoblasts: Prospects of Application for Counteracting Microgravity-Induced Muscle Atrophy. <i>Microgravity Science and Technology</i> , 2013, 25, 35-42.	1.4	4
70	Enterocyte superoxide dismutase 2 deletion drives obesity. <i>IScience</i> , 2022, 25, 103707.	4.1	4
71	TISSUE AND DEVELOPMENTAL SPECIFICITY OF A POLYSIALO-GANGLIOSIDE SPECIES IN THE AMPHIBIAN XENOPUS. <i>Cell Biology International</i> , 1996, 20, 667-672.	3.0	3
72	Blood and Oxidative Stress (BOS): Soyuz mission "Eneida". <i>Microgravity Science and Technology</i> , 2007, 19, 210-214.	1.4	3

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73	Exogenous Sphingosine Enters <i>Xenopus Laevis</i> Embryos Grown in Petri Dishes and It Is Metabolized. <i>Bioscience Reports</i> , 2001, 21, 719-731.	2.4	2
74	Glycosyltransferases in different brain regions during chick embryo development. <i>Neurochemical Research</i> , 2002, 27, 815-821.	3.3	2
75	Reversible Dissolution of Microdomains in Detergent-Resistant Membranes at Physiological Temperature. <i>PLoS ONE</i> , 2015, 10, e0132696.	2.5	2
76	Effect of Ethanol Amine Plasmalogens on Fe-Induced Peroxidation of Arachidonic Acid in Dipalmitoylphosphatidylcholine Vesicles.. <i>Biological and Pharmaceutical Bulletin</i> , 2000, 23, 1410-1413.	1.4	1
77	Zinc, Selenium and Skin Health: Overview of Their Biochemical and Physiological Functions. , 2009, , 139-158.		1
78	LSEA Evaluation of Lipid Mediators of Inflammation in Lung and Cortex of Mice Exposed to Diesel Air Pollution. <i>Biomedicines</i> , 2022, 10, 712.	3.2	1
79	Breast cancer cell's lipid rafts modifications by n-3 polyunsaturated fatty acids. <i>Chemistry and Physics of Lipids</i> , 2010, 163, S28.	3.2	0
80	Long chain omega 3 polyunsaturated fatty acids supplementation in the treatment of elderly depression: Effects on depressive symptoms, on phospholipids fatty acids profile and on health-related quality of life. <i>Journal of Nutrition, Health and Aging</i> , 0, , .	3.3	0
81	Sa1836 Stimulation of the $\omega$ -3 Docosahexaenoic Acid (DHA) Metabolism via MFSD2A as a Novel Therapy for Inflammatory Bowel Disease. <i>Gastroenterology</i> , 2016, 150, S377.	1.3	0
82	Metformin +/- cyclic fasting mimicking diet in combination with platinum-pemetrexed chemotherapy for advanced LKB1 inactive lung adenocarcinoma: The FAME trial. <i>Annals of Oncology</i> , 2019, 30, ii68.	1.2	0
83	The Educational Experiment Xenogriss: Growth and Regeneration of <i>Xenopus laevis</i> Tadpoles on the ISS. <i>Aerotecnica Missili &amp; Spazio</i> , 2020, 99, 115-120.	0.9	0
84	Effects of microgravity and hypergravity on early development stages of <i>Xenopus laevis</i> . <i>Journal of Gravitational Physiology: A Journal of the International Society for Gravitational Physiology</i> , 2002, 9, P207-8.	0.0	0