

Gianfranca Carta

List of Publications by Year in descending order

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70
papers

3,730
citations

159358

30
h-index

128067

60
g-index

70
all docs

70
docs citations

70
times ranked

3930
citing authors

#	ARTICLE	IF	CITATIONS
1	Palmitic Acid: Physiological Role, Metabolism and Nutritional Implications. <i>Frontiers in Physiology</i> , 2017, 8, 902.	1.3	441
2	Conjugated Linoleic Acid-Enriched Butter Fat Alters Mammary Gland Morphogenesis and Reduces Cancer Risk in Rats. <i>Journal of Nutrition</i> , 1999, 129, 2135-2142.	1.3	364
3	Endocannabinoids May Mediate the Ability of (n-3) Fatty Acids to Reduce Ectopic Fat and Inflammatory Mediators in Obese Zucker Rats. <i>Journal of Nutrition</i> , 2009, 139, 1495-1501.	1.3	210
4	Characterization of conjugated diene fatty acids in milk, dairy products, and lamb tissues. <i>Journal of Nutritional Biochemistry</i> , 1996, 7, 150-155.	1.9	175
5	Decrease in linoleic acid metabolites as a potential mechanism in cancer risk reduction by conjugated linoleic acid. <i>Carcinogenesis</i> , 1999, 20, 1019-1024.	1.3	155
6	Distribution of conjugated linoleic acid and metabolites in different lipid fractions in the rat liver. <i>Journal of Lipid Research</i> , 2001, 42, 1056-1061.	2.0	135
7	Conjugated Linoleic Acid Isomers and Mammary Cancer Prevention. <i>Nutrition and Cancer</i> , 2002, 43, 52-58.	0.9	129
8	Effect of dietary krill oil supplementation on the endocannabinoidome of metabolically relevant tissues from high-fat-fed mice. <i>Nutrition and Metabolism</i> , 2011, 8, 51.	1.3	123
9	Vaccenic Acid Feeding Increases Tissue Levels of Conjugated Linoleic Acid and Suppresses Development of Premalignant Lesions in Rat Mammary Gland. <i>Nutrition and Cancer</i> , 2001, 41, 91-97.	0.9	113
10	Sheep cheese naturally enriched in \pm -linolenic, conjugated linoleic and vaccenic acids improves the lipid profile and reduces anandamide in the plasma of hypercholesterolaemic subjects. <i>British Journal of Nutrition</i> , 2013, 109, 1453-1462.	1.2	111
11	5 α -Methylthioadenosine administration prevents lipid peroxidation and fibrogenesis induced in rat liver by carbon-tetrachloride intoxication. <i>Journal of Hepatology</i> , 2001, 34, 386-394.	1.8	93
12	Effect of polyunsaturated fatty acids on endocannabinoid and N-acyl-ethanolamine levels in mouse adipocytes. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2008, 1781, 52-60.	1.2	93
13	Krill oil significantly decreases 2-arachidonoylglycerol plasma levels in obese subjects. <i>Nutrition and Metabolism</i> , 2011, 8, 7.	1.3	89
14	Direct Evidence for Antioxidant Effect of Bcl-2 in PC12 Rat Pheochromocytoma Cells. <i>Archives of Biochemistry and Biophysics</i> , 1997, 344, 413-423.	1.4	84
15	PPAR \pm Regulates Cholinergic-Driven Activity of Midbrain Dopamine Neurons via a Novel Mechanism Involving \pm 7 Nicotinic Acetylcholine Receptors. <i>Journal of Neuroscience</i> , 2013, 33, 6203-6211.	1.7	79
16	Dietary krill oil increases docosahexaenoic acid and reduces 2-arachidonoylglycerol but not N-acyl-ethanolamine levels in the brain of obese Zucker rats. <i>International Dairy Journal</i> , 2010, 20, 231-235.	1.5	76
17	UV spectral properties of lipids as a tool for their identification. <i>European Journal of Lipid Science and Technology</i> , 2002, 104, 59-64.	1.0	63
18	Conjugated linoleic acids (CLA) as precursors of a distinct family of PUFA. <i>Lipids</i> , 2004, 39, 1143-1146.	0.7	56

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19	Dietary Triacylglycerols with Palmitic Acid in the sn-2 Position Modulate Levels of N-Acylethanolamides in Rat Tissues. <i>PLoS ONE</i> , 2015, 10, e0120424.	1.1	52
20	Characterization of conjugated linoleic acid and its metabolites by RP-HPLC with diode array detector. <i>European Journal of Lipid Science and Technology</i> , 2001, 103, 617-621.	1.0	51
21	Nutritional Properties of Dietary Omega-3-Enriched Phospholipids. <i>BioMed Research International</i> , 2013, 2013, 1-13.	0.9	51
22	Physiological Role of Peroxisome Proliferator-Activated Receptors Type Alpha on Dopamine Systems. <i>CNS and Neurological Disorders - Drug Targets</i> , 2013, 12, 70-77.	0.8	48
23	Vagus Nerve Stimulation Reduces Body Weight and Fat Mass in Rats. <i>PLoS ONE</i> , 2012, 7, e44813.	1.1	47
24	Detection of conjugated C16 PUFAs in rat tissues as possible partial beta-oxidation products of naturally occurring conjugated linoleic acid and its metabolites. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2004, 1682, 120-127.	1.2	45
25	Impaired glucocorticoid-mediated HPA axis negative feedback induced by juvenile social isolation in male rats. <i>Neuropharmacology</i> , 2018, 133, 242-253.	2.0	43
26	PPAR-Alpha Agonists as Novel Antiepileptic Drugs: Preclinical Findings. <i>PLoS ONE</i> , 2013, 8, e64541.	1.1	41
27	Effect of acute administration of Pistacia lentiscus L. essential oil on rat cerebral cortex following transient bilateral common carotid artery occlusion. <i>Lipids in Health and Disease</i> , 2012, 11, 8.	1.2	39
28	A Novel Approach to Study Linoleic Acid Autoxidation: Importance of Simultaneous Detection of the Substrate and its Derivative Oxidation Products. <i>Free Radical Research</i> , 1996, 25, 43-53.	1.5	38
29	Polymorphism rs1761667 in the CD36 Gene Is Associated to Changes in Fatty Acid Metabolism and Circulating Endocannabinoid Levels Distinctively in Normal Weight and Obese Subjects. <i>Frontiers in Physiology</i> , 2017, 8, 1006.	1.3	34
30	A mixture of oleic, erucic and conjugated linoleic acids modulates cerebrospinal fluid inflammatory markers and improve somatosensorial evoked potential in Xâ€linked adrenoleukodystrophy female carriers. <i>Journal of Inherited Metabolic Disease</i> , 2012, 35, 899-907.	1.7	33
31	Conjugated linoleic acid and oxidative stress. <i>JAOCS, Journal of the American Oil Chemists' Society</i> , 1998, 75, 261-267.	0.8	32
32	Taste sensitivity to 6-n-propylthiouracil is associated with endocannabinoid plasma levels in normal-weight individuals. <i>Nutrition</i> , 2013, 29, 531-536.	1.1	32
33	Participants with Normal Weight or with Obesity Show Different Relationships of 6-n-Propylthiouracil (PROP) Taster Status with BMI and Plasma Endocannabinoids. <i>Scientific Reports</i> , 2017, 7, 1361.	1.6	29
34	Peroxidase-Catalyzed Pro- versus Antioxidant Effects of 4-Hydroxytamoxifen:â€ Enzyme Specificity and Biochemical Sequelae. <i>Chemical Research in Toxicology</i> , 1999, 12, 28-37.	1.7	28
35	An increase in vitamin a status by the feeding of conjugated linoleic acid. <i>Nutrition and Cancer</i> , 1999, 33, 53-57.	0.9	27
36	Impact of Dietary Palmitic Acid on Lipid Metabolism. <i>Frontiers in Nutrition</i> , 2022, 9, 861664.	1.6	26

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37	Metabolism of c9,t11-conjugated linoleic acid (CLA) in humans. Prostaglandins Leukotrienes and Essential Fatty Acids, 2013, 89, 115-119.	1.0	25
38	Impairment of 8-iso-PGF ₂ ALPHA isoprostane metabolism by dietary conjugated linoleic acid (CLA). Prostaglandins Leukotrienes and Essential Fatty Acids, 2009, 80, 279-287.	1.0	24
39	Inhibition of N-acylethanolamine acid amidase reduces nicotine-induced dopamine activation and reward. Neuropharmacology, 2019, 144, 327-336.	2.0	24
40	Modulation of lipid metabolism and vitamin A by conjugated linoleic acid. Prostaglandins Leukotrienes and Essential Fatty Acids, 2002, 67, 187-191.	1.0	23
41	Conjugated linoleic acid and black currant seed oil in the treatment of canine atopic dermatitis: A preliminary report. Veterinary Journal, 2007, 173, 413-421.	0.6	22
42	Conjugated Linoleic Acid and Brain Metabolism: A Possible Anti-Neuroinflammatory Role Mediated by PPAR α Activation. Frontiers in Pharmacology, 2020, 11, 587140.	1.6	22
43	Dietary Conjugated Linoleic Acid-Enriched Cheeses Influence the Levels of Circulating n-3 Highly Unsaturated Fatty Acids in Humans. International Journal of Molecular Sciences, 2018, 19, 1730.	1.8	21
44	Enhanced Glutamatergic Synaptic Plasticity in the Hippocampal CA1 Field of Food-Restricted Rats: Involvement of CB1 Receptors. Neuropsychopharmacology, 2016, 41, 1308-1318.	2.8	20
45	Changes in conjugated linoleic acid and its metabolites in patients with chronic renal failure. Kidney International, 2000, 58, 1695-1702.	2.6	19
46	Incorporation and metabolism of c9,t11 and t10,c12 conjugated linoleic acid (CLA) isomers in rat brain. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2005, 1736, 61-6.	1.2	19
47	Acute administration of beta-caryophyllene prevents endocannabinoid system activation during transient common carotid artery occlusion and reperfusion. Lipids in Health and Disease, 2018, 17, 23.	1.2	19
48	Conjugated linoleic acid isomers (CLA): good for everything?. Sciences Des Aliments, 2002, 22, 371-380.	0.2	19
49	Downregulation of inflammatory markers by conjugated linoleic acid isomers in human cultured astrocytes. Nutritional Neuroscience, 2019, 22, 207-214.	1.5	18
50	Vaccenic Acid Feeding Increases Tissue Levels of Conjugated Linoleic Acid and Suppresses Development of Premalignant Lesions in Rat Mammary Gland. Nutrition and Cancer, 2001, 41, 91-97.	0.9	18
51	Effects of dietary CLA on n-3 HUFA score and N-acylethanolamides biosynthesis in the liver of obese Zucker rats. Prostaglandins Leukotrienes and Essential Fatty Acids, 2015, 98, 15-19.	1.0	16
52	Decreased Metabolic Flexibility in Skeletal Muscle of Rat Fed with a High-Fat Diet Is Recovered by Individual CLA Isomer Supplementation via Converging Protective Mechanisms. Cells, 2020, 9, 823.	1.8	16
53	Peroxidase-catalyzed oxidation of β -carotene in HL-60 cells and in model systems: Involvement of phenoxyl radicals. Lipids, 1997, 32, 131-142.	0.7	15
54	Involvement of the endocannabinoid system in the physiological response to transient common carotid artery occlusion and reperfusion. Lipids in Health and Disease, 2017, 16, 14.	1.2	14

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55	Different Dietary N-3 Polyunsaturated Fatty Acid Formulations Distinctively Modify Tissue Fatty Acid and N-Acylethanolamine Profiles. <i>Nutrients</i> , 2021, 13, 625.	1.7	13
56	Preventive Effects of Resveratrol on Endocannabinoid System and Synaptic Protein Modifications in Rat Cerebral Cortex Challenged by Bilateral Common Carotid Artery Occlusion and Reperfusion. <i>International Journal of Molecular Sciences</i> , 2018, 19, 426.	1.8	11
57	Changes in Conjugated Linoleic Acid and Palmitoleic Acid Are Correlated to Retinol Levels in Chronic Renal Failure in Both Hemodialysis and Conservative Treatment Patients. <i>Artificial Organs</i> , 2005, 29, 413-418.	1.0	10
58	Metabolic Interactions between Vitamin A and Conjugated Linoleic Acid. <i>Nutrients</i> , 2014, 6, 1262-1272.	1.7	9
59	Resveratrol Regulates BDNF, trkB, PSA-NCAM, and Arc Expression in the Rat Cerebral Cortex after Bilateral Common Carotid Artery Occlusion and Reperfusion. <i>Nutrients</i> , 2019, 11, 1000.	1.7	9
60	Circulating fatty acids and endocannabinoidome-related mediator profiles associated to human longevity. <i>GeroScience</i> , 2021, 43, 1783-1798.	2.1	9
61	Physiological response to lipid peroxidation in ischemia and reperfusion during carotid endarterectomy. <i>Lipids in Health and Disease</i> , 2010, 9, 41.	1.2	7
62	Essential fatty acids deficient diet modulates N-Acylethanolamide profile in rat's tissues. Prostaglandins Leukotrienes and Essential Fatty Acids, 2020, 153, 102053.	1.0	6
63	Anti-Inflammatory Effect of Beta-Caryophyllene Mediated by the Involvement of TRPV1, BDNF and trkB in the Rat Cerebral Cortex after Hypoperfusion/Reperfusion. <i>International Journal of Molecular Sciences</i> , 2022, 23, 3633.	1.8	6
64	Evaluation of the attractant effect and lipid profile modulation of natural fixed oils on the medfly <i>Ceratitis capitata</i> (Wiedemann). <i>Archives of Insect Biochemistry and Physiology</i> , 2018, 99, e21508.	0.6	3
65	Natural CLA-Enriched Lamb Meat Fat Modifies Tissue Fatty Acid Profile and Increases n-3 HUFA Score in Obese Zucker Rats. <i>Biomolecules</i> , 2019, 9, 751.	1.8	3
66	Fatty Acid Metabolism and Derived-Mediators Distinctive of PPAR- α Activation in Obese Subjects Post Bariatric Surgery. <i>Nutrients</i> , 2021, 13, 4340.	1.7	3
67	Dietary Phospholipid-Bound Conjugated Linoleic Acid and Docosahexaenoic Acid Incorporation Into Fetal Liver and Brain Modulates Fatty Acid and N-Acylethanolamine Profiles. <i>Frontiers in Nutrition</i> , 2022, 9, 834066.	1.6	2
68	Reversed-Phase HPLC Analysis of Conjugated Linoleic Acid and Its Metabolites. , 2003, , .		0
69	Does Metabolism of Conjugated Linoleic Acid Play a Role in Its Biological Activities?. , 2003, , .		0
70	Detection of Partial Beta-Oxidation Products of Conjugated Linoleic Acid Isomers and Their Metabolites in Animals and Humans. , 2006, , 19-23.		0