Alberto Davalos

List of Publications by Year
in descending order

106 papers	7,798 citations	76196 40 h-index	51492 86 g-index
110 all docs	110 docs citations	110 times ranked	11325 citing authors

#	Article	IF	Citations
1	Dietary bovine milk miRNAs transported in extracellular vesicles are partially stable during GI digestion, are bioavailable and reach target tissues but need a minimum dose to impact on gene expression. European Journal of Nutrition, 2022, 61, 1043-1056.	1.8	43
2	Response to: Letter to the editor regarding â€œDietary bovine milk miRNAs transported in extracellular vesicles are partially stable during GI digestion, are bioavailable and reach target tissues but need a minimum dose to impact on gene expressionâ€• European Journal of Nutrition, 2022, 61, 1697-1698.	1.8	0
3	Milk-Derived Exosomes as Nanocarriers to Deliver Curcumin and Resveratrol in Breast Tissue and Enhance Their Anticancer Activity. International Journal of Molecular Sciences, 2022, 23, 2860.	1.8	44
4	Interplay of Walnut Consumption, Changes in Circulating miRNAs and Reduction in LDL-Cholesterol in Elders. Nutrients, 2022, 14, 1473.	1.7	6
5	Untoward Effects of Micro- and Nanoplastics: An Expert Review of Their Biological Impact and Epigenetic Effects. Advances in Nutrition, 2022, 13, 1310-1323.	2.9	23
6	RNA-Seq, Bioinformatic Identification of Potential MicroRNA-like Small RNAs in the Edible Mushroom Agaricus bisporus and Experimental Approach for Their Validation. International Journal of Molecular Sciences, 2022, 23, 4923.	1.8	5
7	Nutri-Epigenetic Effects of Phenolic Compounds from Extra Virgin Olive Oil: A Systematic Review. Advances in Nutrition, 2022, 13, 2039-2060.	2.9	15
8	One-year dietary supplementation with walnuts modifies exosomal miRNA in elderly subjects. European Journal of Nutrition, 2021, 60, 1999-2011.	1.8	15
9	Dietary microRNAs and cancer: A new therapeutic approach?. Seminars in Cancer Biology, 2021, 73, 19-29.	4.3	25
10	Bovine Milk-Derived Exosomes as a Drug Delivery Vehicle for miRNA-Based Therapy. International Journal of Molecular Sciences, 2021, 22, 1105.	1.8	89
11	Eating microRNAs: pharmacological opportunities for crossâ€kingdom regulation and implications in host gene and gut microbiota modulation. British Journal of Pharmacology, 2021, 178, 2218-2245.	2.7	53
12	Mediterranean diet enriched in extra-virgin olive oil or nuts modulates circulating exosomal non-coding RNAs. European Journal of Nutrition, 2021, 60, 4279-4293.	1.8	21
13	Connection between miRNA Mediation and the Bioactive Effects of Broccoli (Brassica oleracea) Tj ETQq1 1 0.784314 rgBT /Ov Agricultural and Food Chemistry, 2021, 69, 9326-9337.	2.4	17
14	Trimethylamine n-Oxide (TMAO) Modulates the Expression of Cardiovascular Disease-Related microRNAs and Their Targets. International Journal of Molecular Sciences, 2021, 22, 11145.	1.8	16
15	Upâ€“toâ€“date on the evidence linking miRNA-related epitranscriptomic modifications and disease settings. Can these modifications affect cross-kingdom regulation?. RNA Biology, 2021, , 1-14.	1.5	3
16	An overview of the pharmacology of olive oil and its active ingredients. British Journal of Pharmacology, 2020, 177, 1316-1330.	2.7	64
17	Intestinal miRNAs regulated in response to dietary lipids. Scientific Reports, 2020, 10, 18921.	1.6	11
18	Intestinal Lipid Metabolism Genes Regulated by miRNAs. Frontiers in Genetics, 2020, 11, 707.	1.1	12

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19	Exosomes transport trace amounts of (poly)phenols. Food and Function, 2020, 11, 7784-7792.	2.1	9
20	Impact of Long-Term Supplementation with Fish Oil in Individuals with Non-Alcoholic Fatty Liver Disease: A Double Blind Randomized Placebo Controlled Clinical Trial. Nutrients, 2020, 12, 3372.	1.7	19
21	A Glycosaminoglycan-Rich Fraction from Sea Cucumber Isostichopus badionotus Has Potent Anti-Inflammatory Properties In Vitro and In Vivo. Nutrients, 2020, 12, 1698.	1.7	14
22	Exercise dose affects the circulating microRNA profile in response to acute endurance exercise in male amateur runners. Scandinavian Journal of Medicine and Science in Sports, 2020, 30, 1896-1907.	1.3	11
23	Concentrates of buttermilk and krill oil improve cognition in aged rats. Prostaglandins Leukotrienes and Essential Fatty Acids, 2020, 155, 102077.	1.0	12
24	Olive oil consumption and its repercussions on lipid metabolism. Nutrition Reviews, 2020, 78, 952-968.	2.6	24
25	Identification and validation of common molecular targets of hydroxytyrosol. Food and Function, 2019, 10, 4897-4910.	2.1	14
26	Literature review of baseline information on nonâ€coding RNA (ncRNA) to support the risk assessment of ncRNAâ€based genetically modified plants for food and feed. EFSA Supporting Publications, 2019, 16, 1688E.	0.3	31
27	Postprandial Circulating miRNAs in Response to a Dietary Fat Challenge. Nutrients, 2019, 11, 1326.	1.7	29
28	Response to: Letter to the editor â€œSome thoughts about the possibility of diet-derived exogenous small RNAsâ€• Pharmacological Research, 2019, 141, 622.	3.1	0
29	22-Oxocholestane oximes as potential anti-inflammatory drug candidates. European Journal of Medicinal Chemistry, 2019, 168, 78-86.	2.6	19
30	Olive Oil, Palm Oil, and Hybrid Palm Oil Distinctly Modulate Liver Transcriptome and Induce NAFLD in Mice Fed a High-Fat Diet. International Journal of Molecular Sciences, 2019, 20, 8.	1.8	35
31	Modulation of miRNA expression in aged rat hippocampus by buttermilk and krill oil. Scientific Reports, 2018, 8, 3993.	1.6	19
32	Circulating microRNA as Emerging Biomarkers of Exercise. Exercise and Sport Sciences Reviews, 2018, 46, 160-171.	1.6	34
33	Breast milk microRNAs harsh journey towards potential effects in infant development and maturation. Lipid encapsulation can help. Pharmacological Research, 2018, 132, 21-32.	3.1	54
34	Buttermilk and Krill Oil Phospholipids Improve Hippocampal Insulin Resistance and Synaptic Signaling in Aged Rats. Molecular Neurobiology, 2018, 55, 7285-7296.	1.9	34
35	Dietary supplementation with hybrid palm oil alters liver function in the common Marmoset. Scientific Reports, 2018, 8, 2765.	1.6	11
36	Data mining of nutrigenomics experiments: Identification of a cancer protective gene signature. Journal of Functional Foods, 2018, 42, 380-386.	1.6	11

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37	Sea cucumber (Isostichopus badionotus) body-wall preparations exert anti-inflammatory activity in vivo. PharmaNutrition, 2018, 6, 74-80.	0.8	11
38	Advanced Liver Fibrosis Is Independently Associated with Palmitic Acid and Insulin Levels in Patients with Non-Alcoholic Fatty Liver Disease. Nutrients, 2018, 10, 1586.	1.7	33
39	Customized Dietary Intervention Avoids Unintentional Weight Loss and Modulates Circulating miRNAs Footprint in Huntington's Disease. Molecular Nutrition and Food Research, 2018, 62, e1800619.	1.5	17
40	Circulating microRNAs as emerging cardiac biomarkers responsive to acute exercise. International Journal of Cardiology, 2018, 264, 130-136.	0.8	37
41	Pharma-Nutritional Properties of Olive Oil Phenols. Transfer of New Findings to Human Nutrition. Foods, 2018, 7, 90.	1.9	57
42	Hydroxytyrosol restores proper insulin signaling in an astrocytic model of Alzheimer's disease. BioFactors, 2017, 43, 540-548.	2.6	43
43	Maternal Fish Oil Intake and Insulin Resistance in the Offspring. , 2017, , 261-277.		0
44	Proteomic evaluation of mouse adipose tissue and liver following hydroxytyrosol supplementation. Food and Chemical Toxicology, 2017, 107, 329-338.	1.8	14
45	Tea, cocoa, coffee, and affective disorders: vicious or virtuous cycle?. Journal of Affective Disorders, 2017, 224, 61-68.	2.0	31
46	Circulating microRNAs in Huntingtonâ€™s disease: Emerging mediators in metabolic impairment. Pharmacological Research, 2016, 108, 102-110.	3.1	72
47	Clinically used selective estrogen receptor modulators affect different steps of macrophage-specific reverse cholesterol transport. Scientific Reports, 2016, 6, 32105.	1.6	14
48	Fructose, but not glucose, impairs insulin signaling in the three major insulin-sensitive tissues. Scientific Reports, 2016, 6, 26149.	1.6	75
49	Hydroxytyrosol supplementation modulates the expression of miRNAs in rodents and in humans. Journal of Nutritional Biochemistry, 2016, 34, 146-155.	1.9	42
50	Liver X Receptor Regulates Triglyceride Absorption Through Intestinal Down-regulation of Scavenger Receptor Class B, Type 1. Gastroenterology, 2016, 150, 650-658.	0.6	41
51	MicroRNAs expression in normal and malignant colon tissues as biomarkers of colorectal cancer and in response to pomegranate extracts consumption: Critical issues to discern between modulatory effects and potential artefacts. Molecular Nutrition and Food Research, 2015, 59, 1973-1986.	1.5	57
52	In vitro Hypolipidemic and Antioxidant Effects of Leaf and Root Extracts of Taraxacum Officinale. Medical Sciences (Basel, Switzerland), 2015, 3, 38-54.	1.3	14
53	Consumption of Distinct Dietary Lipids during Early Pregnancy Differentially Modulates the Expression of microRNAs in Mothers and Offspring. PLoS ONE, 2015, 10, e0117858.	1.1	46
54	Soy Isoflavones in Nutritionally Relevant Amounts Have Varied Nutrigenomic Effects on Adipose Tissue. Molecules, 2015, 20, 2310-2322.	1.7	14

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55	Disruption of the mevalonate pathway induces dNTP depletion and DNA damage. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2015, 1851, 1240-1253.	1.2	11
56	Isomer-specific effects of conjugated linoleic acid on HDL functionality associated with reverse cholesterol transport. Journal of Nutritional Biochemistry, 2015, 26, 165-172.	1.9	10
57	Dietary lipids modulate the expression of miR-107, an miRNA that regulates the circadian system. Molecular Nutrition and Food Research, 2015, 59, 552-565.	1.5	40
58	Antisense Oligonucleotides, microRNAs, and Antibodies. Handbook of Experimental Pharmacology, 2015, 224, 649-689.	0.9	7
59	miRNAs modified by dietary lipids in Caco-2 cells. A microarray screening. Genomics Data, 2015, 5, 171-172.	1.3	1
60	Circulating inflammatory miRNA signature in response to different doses of aerobic exercise. Journal of Applied Physiology, 2015, 119, 124-134.	1.2	109
61	Regulation of HDL Genes: Transcriptional, Posttranscriptional, and Posttranslational. Handbook of Experimental Pharmacology, 2015, 224, 113-179.	0.9	22
62	The Ellagic Acid Derivative 4,4â€²-Di-O-Methylellagic Acid Efficiently Inhibits Colon Cancer Cell Growth through a Mechanism Involving WNT16. Journal of Pharmacology and Experimental Therapeutics, 2015, 353, 433-444.	1.3	37
63	Liquid fructose supplementation in LDL-Râ^'/â^' mice fed a western-type diet enhances lipid burden and atherosclerosis despite identical calorie consumption. IJC Metabolic & Endocrine, 2015, 9, 12-21.	0.5	8
64	Motherâ€™s nutritional miRNA legacy: Nutrition during pregnancy and its possible implications to develop cardiometabolic disease in later life. Pharmacological Research, 2015, 100, 322-334.	3.1	21
65	Hydroxytyrosol attenuates tunicamycinâ€induced endoplasmic reticulum stress in human hepatocarcinoma cells. Molecular Nutrition and Food Research, 2014, 58, 954-962.	1.5	48
66	Reduction of Adipogenesis and Lipid Accumulation by Taraxacum officinale (Dandelion) Extracts in 3T3L1 Adipocytes: An in vitro Study. Phytotherapy Research, 2014, 28, 745-752.	2.8	38
67	Green Tea, Cocoa, and Red Wine Polyphenols Moderately Modulate Intestinal Inflammation and Do Not Increase High-Density Lipoprotein (HDL) Production. Journal of Agricultural and Food Chemistry, 2014, 62, 2228-2232.	2.4	33
68	Docosahexaenoic Acid Modulates the Enterocyte Caco-2 Cell Expression of MicroRNAs Involved in Lipid Metabolism. Journal of Nutrition, 2014, 144, 575-585.	1.3	64
69	Chronic hydroxytyrosol feeding modulates glutathione-mediated oxido-reduction pathways in adipose tissue: A nutrigenomic study. Nutrition, Metabolism and Cardiovascular Diseases, 2014, 24, 1144-1150.	1.1	46
70	From evolution to revolution: miRNAs as pharmacological targets for modulating cholesterol efflux and reverse cholesterol transport. Pharmacological Research, 2013, 75, 60-72.	3.1	40
71	MiRNA-based therapy: From bench to bedside. Pharmacological Research, 2013, 75, 1-2.	3.1	10
72	One-year supplementation with a grape extract containing resveratrol modulates inflammatory-related microRNAs and cytokines expression in peripheral blood mononuclear cells of type 2 diabetes and hypertensive patients with coronary artery disease. Pharmacological Research, 2013, 72, 69-82.	3.1	304

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73	Control of Cholesterol Metabolism and Plasma High-Density Lipoprotein Levels by microRNA-144. Circulation Research, 2013, 112, 1592-1601.	2.0	187
74	Diets Containing Sea Cucumber (Isostichopus badionotus) Meals Are Hypocholesterolemic in Young Rats. PLoS ONE, 2013, 8, e79446.	1.1	28
75	Endothelial Cell Palmitoylproteomic Identifies Novel Lipid-Modified Targets and Potential Substrates for Protein Acyl Transferases. Circulation Research, 2012, 110, 1336-1344.	2.0	62
76	Molecular Targets of Omega 3 and Conjugated Linoleic Fatty Acids â€“ â€œMicromanagingâ€•Cellular Response. Frontiers in Physiology, 2012, 3, 42.	1.3	29
77	MicroRNA-758 Regulates Cholesterol Efflux Through Posttranscriptional Repression of ATP-Binding Cassette Transporter A1. Arteriosclerosis, Thrombosis, and Vascular Biology, 2011, 31, 2707-2714.	1.1	218
78	Endothelial reticulon-4B (Nogo-B) regulates ICAM-1â€“mediated leukocyte transmigration and acute inflammation. Blood, 2011, 117, 2284-2295.	0.6	50
79	microRNAs, Plasma Lipids, and Cardiovascular Disease. Current Cardiovascular Risk Reports, 2011, 5, 10-17.	0.8	0
80	Eph-B4 prevents venous adaptive remodeling in the adult arterial environment. Journal of Experimental Medicine, 2011, 208, 561-575.	4.2	53
81	miR-33a/b contribute to the regulation of fatty acid metabolism and insulin signaling. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 9232-9237.	3.3	615
82	The PLIN4 Variant rs8887 Modulates Obesity Related Phenotypes in Humans through Creation of a Novel miR-522 Seed Site. PLoS ONE, 2011, 6, e17944.	1.1	51
83	Quantitative Proteomics of Caveolin-1-regulated Proteins. Molecular and Cellular Proteomics, 2010, 9, 2109-2124.	2.5	39
84	MiR-33 Contributes to the Regulation of Cholesterol Homeostasis. Science, 2010, 328, 1570-1573.	6.0	1,095
85	Haloperidol disrupts lipid rafts and impairs insulin signaling in SH-SY5Y cells. Neuroscience, 2010, 167, 143-153.	1.1	44
86	Endothelial-Specific Overexpression of Caveolin-1 Accelerates Atherosclerosis in Apolipoprotein E-Deficient Mice. American Journal of Pathology, 2010, 177, 998-1003.	1.9	91
87	Effects of the antipsychotic drug haloperidol on the somastostatinergic system in SHâ€5Y5Y neuroblastoma cells. Journal of Neurochemistry, 2009, 110, 631-640.	2.1	13
88	Genetic Evidence Supporting a Critical Role of Endothelial Caveolin-1 during the Progression of Atherosclerosis. Cell Metabolism, 2009, 10, 48-54.	7.2	152
89	Nogo-B Receptor Stabilizes Niemann-Pick Type C2 Protein and Regulates Intracellular Cholesterol Trafficking. Cell Metabolism, 2009, 10, 208-218.	7.2	68
90	Inhibition of cholesterol biosynthesis disrupts lipid raft/caveolae and affects insulin receptor activation in 3T3-L1 preadipocytes. Biochimica Et Biophysica Acta - Biomembranes, 2009, 1788, 1731-1739.	1.4	65

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91	Effects of red grape juice polyphenols in NADPH oxidase subunit expression in human neutrophils and mononuclear blood cells. British Journal of Nutrition, 2009, 102, 1125-1135.	1.2	36
92	Health-Promoting Effects of Wine Phenolics. , 2009, , 571-591.		7
93	Transepithelial transport across Cacoâ€2 cell monolayers of antihypertensive eggâ€derived peptides. PepT1â€mediated flux of Tyrâ€Proâ€Ile. Molecular Nutrition and Food Research, 2008, 52, 1507-1513.	1.5	105
94	Bioavailability of the antihypertensive peptide LHLPLP: Transepithelial flux of HLPLP. International Dairy Journal, 2008, 18, 279-286.	1.5	139
95	Comparative effects of dietary supplementation with red grape juice and vitamin E on production of superoxide by circulating neutrophil NADPH oxidase in hemodialysis patients. American Journal of Clinical Nutrition, 2008, 87, 1053-1061.	2.2	142
96	Cholesterol Starvation Induces Differentiation of Human Leukemia HL-60 Cells. Cancer Research, 2007, 67, 3379-3386.	0.4	22
97	Concentrated red grape juice exerts antioxidant, hypolipidemic, and antiinflammatory effects in both hemodialysis patients and healthy subjects. American Journal of Clinical Nutrition, 2006, 84, 252-262.	2.2	271
98	Red Grape Juice Polyphenols Alter Cholesterol Homeostasis and Increase LDL-Receptor Activity in Human Cells In Vitro. Journal of Nutrition, 2006, 136, 1766-1773.	1.3	67
99	Quercetin is bioavailable from a single ingestion of grape juice. International Journal of Food Sciences and Nutrition, 2006, 57, 391-398.	1.3	22
100	Plitidepsin Cellular Binding and Rac1/JNK Pathway Activation Depend on Membrane Cholesterol Content. Molecular Pharmacology, 2006, 70, 1654-1663.	1.0	24
101	Antioxidant properties of commercial grape juices and vinegars. Food Chemistry, 2005, 93, 325-330.	4.2	155
102	Preparation of Antioxidant Enzymatic Hydrolysates from Î±-Lactalbumin and Î²-Lactoglobulin. Identification of Active Peptides by HPLC-MS/MS. Journal of Agricultural and Food Chemistry, 2005, 53, 588-593.	2.4	543
103	Synergistic upregulation of low-density lipoprotein receptor activity by tamoxifen and lovastatin. Cardiovascular Research, 2004, 64, 346-355.	1.8	43
104	Inhibition of methyl linoleate autoxidation by phenolics and other related compounds under mild oxidative conditions. Journal of the Science of Food and Agriculture, 2004, 84, 631-638.	1.7	12
105	Extending Applicability of the Oxygen Radical Absorbance Capacity (ORACâ^'Fluorescein) Assay. Journal of Agricultural and Food Chemistry, 2004, 52, 48-54.	2.4	955
106	Commercial Dietary Antioxidant Supplements Assayed for Their Antioxidant Activity by Different Methodologies. Journal of Agricultural and Food Chemistry, 2003, 51, 2512-2519.	2.4	56