Loredana Quadro

List of Publications by Year
in descending order

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60 papers	3,733 citations	236612 25 h-index	155451 55 g-index
63 all docs	63 docs citations	63 times ranked	4450 citing authors

#	Article	IF	Citations
1	Serum retinol binding protein 4 contributes to insulin resistance in obesity and type 2 diabetes. Nature, 2005, 436, 356-362.	13.7	1,809
2	Pathways of Vitamin A Delivery to the Embryo: Insights from a New Tunable Model of Embryonic Vitamin A Deficiency. Endocrinology, 2005, 146, 4479-4490.	1.4	120
3	Understanding the physiological role of retinol-binding protein in vitamin A metabolism using transgenic and knockout mouse models. Molecular Aspects of Medicine, 2003, 24, 421-430.	2.7	112
4	Structure of the STRA6 receptor for retinol uptake. Science, 2016, 353, .	6.0	103
5	Mammalian Metabolism of Î²-Carotene: Gaps in Knowledge. Nutrients, 2013, 5, 4849-4868.	1.7	84
6	Apocarotenoids: Emerging Roles in Mammals. Annual Review of Nutrition, 2018, 38, 153-172.	4.3	84
7	Retinol-Binding Protein-Deficient Mice:Â Biochemical Basis for Impaired Visionâ€. Biochemistry, 2002, 41, 15360-15368.	1.2	78
8	Maternalâ€“fetal transfer and metabolism of vitamin A and its precursor Î²-carotene in the developing tissues. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2012, 1821, 88-98.	1.2	77
9	Lutein, zeaxanthin and mammalian development: Metabolism, functions and implications for health. Archives of Biochemistry and Biophysics, 2018, 647, 33-40.	1.4	75
10	Studies of vitamin A metabolism in mouse model systems. BioEssays, 2001, 23, 409-419.	1.2	74
11	Transplacental delivery of retinoid: the role of retinol-binding protein and lipoprotein retinyl ester. American Journal of Physiology - Endocrinology and Metabolism, 2004, 286, E844-E851.	1.8	68
12	Retinyl Ester Formation by Lecithin:Retinol Acyltransferase Is a Key Regulator of Retinoid Homeostasis in Mouse Embryogenesis. Journal of Biological Chemistry, 2008, 283, 5611-5621.	1.6	68
13	The role of extrahepatic retinol binding protein in the mobilization of retinoid stores. Journal of Lipid Research, 2004, 45, 1975-1982.	2.0	60
14	Î²â€Carotene and its cleavage enzyme Î²â€caroteneâ€15,15â€²â€oxygenase (CMOI) affect retinoid metabolism in developing tissues. FASEB Journal, 2011, 25, 1641-1652.	0.2	57
15	Patterning of retinoic acid signaling and cell proliferation in the hippocampus. Hippocampus, 2012, 22, 2171-2183.	0.9	57
16	Reverse-Phase High-Performance Liquid Chromatography (HPLC) Analysis of Retinol and Retinyl Esters in Mouse Serum and Tissues. Methods in Molecular Biology, 2010, 652, 263-275.	0.4	55
17	Prenatal retinoid deficiency leads to airway hyperresponsiveness in adult mice. Journal of Clinical Investigation, 2014, 124, 801-811.	3.9	55
18	Vitamin A: Overlapping Delivery Pathways to Tissues from the Circulation. Journal of Nutrition, 2004, 134, 276S-280S.	1.3	51

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19	Muscle Expression of Human Retinol-binding Protein (RBP). Journal of Biological Chemistry, 2002, 277, 30191-30197.	1.6	50
20	Insights into the Molecular Mechanisms of the Anti-Atherogenic Actions of Flavonoids in Normal and Obese Mice. PLoS ONE, 2011, 6, e24634.	1.1	48
21	Uptake of Dietary Retinoids at the Maternal-Fetal Barrier. Journal of Biological Chemistry, 2011, 286, 32198-32207.	1.6	40
22	Identification of a Novel Retinoic Acid Response Element in the Promoter Region of the Retinol-binding Protein Gene. Journal of Biological Chemistry, 1996, 271, 25524-25532.	1.6	39
23	Transcriptional activity of the murine retinol-binding protein gene is regulated by a multiprotein complex containing HMGA1, p54nrb/NonO, protein-associated splicing factor (PSF) and steroidogenic factor 1 (SF1)/liver receptor homologue 1 (LRH-1). International Journal of Biochemistry and Cell Biology, 2009, 41, 2189-2203.	1.2	39
24	Increased Fibronectin Deposition in Embryonic Hearts of Retinol-Binding Proteinâ€“Null Mice. Circulation Research, 2003, 92, 920-928.	2.0	34
25	Î²-Apo-10â€²-carotenoids Modulate Placental Microsomal Triglyceride Transfer Protein Expression and Function to Optimize Transport of Intact Î²-Carotene to the Embryo. Journal of Biological Chemistry, 2016, 291, 18525-18535.	1.6	32
26	Effect of Vitamin A Depletion on Nonvisual Phototransduction Pathways in Cryptochromeless Mice. Journal of Biological Rhythms, 2004, 19, 504-517.	1.4	26
27	Serum Retinol-Binding Protein 4 (RBP4) and retinol in a cohort of borderline obese women with and without gestational diabetes. Clinical Biochemistry, 2010, 43, 320-323.	0.8	26
28	Î²-Carotene Supplementation Decreases Placental Transcription of LDL Receptor-Related Protein 1 in Wild-Type Mice and Stimulates Placental Î²-Carotene Uptake in Marginally Vitamin A-Deficient Mice. Journal of Nutrition, 2012, 142, 1456-1462.	1.3	19
29	Î²-apo-10â€²-carotenoids support normal embryonic development during vitamin A deficiency. Scientific Reports, 2018, 8, 8834.	1.6	18
30	Vitamin A and Î²-carotene in pregnant and breastfeeding post-bariatric women in an urban population. Journal of Perinatal Medicine, 2019, 47, 183-189.	0.6	18
31	Retinol mobilization from cultured rat hepatic stellate cells does not require retinol binding protein synthesis and secretion. International Journal of Biochemistry and Cell Biology, 2001, 33, 1000-1012.	1.2	17
32	Interplay between Î²-carotene and lipoprotein metabolism at the maternal-fetal barrier. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2020, 1865, 158591.	1.2	17
33	Embryonic phenotype, Î²-carotene and retinoid metabolism upon maternal supplementation of Î²-carotene in a mouse model of severe vitamin A deficiency. Archives of Biochemistry and Biophysics, 2013, 539, 223-229.	1.4	16
34	Tissue- and sex-specific effects of Î²-carotene 15,15â€² oxygenase (BCO1) on retinoid and lipid metabolism in adult and developing mice. Archives of Biochemistry and Biophysics, 2015, 572, 11-18.	1.4	15
35	Hepatic retinol secretion and storage are altered by dietary CLA: common and distinct actions of CLA c9,t11 and t10,c12 isomers. Journal of Lipid Research, 2009, 50, 2278-2289.	2.0	14
36	Intact vitamin A transport is critical for cold-mediated adipose tissue browning and thermogenesis. Molecular Metabolism, 2020, 42, 101088.	3.0	14

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37	Î²-carotene improves fecal dysbiosis and intestinal dysfunctions in a mouse model of vitamin A deficiency. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2022, 1867, 159122.	1.2	14
38	Retinoids regulate expression of the retinol-binding protein gene in hepatoma cells in culture. Journal of Cellular Physiology, 1994, 160, 596-602.	2.0	13
39	Loss of Î²-carotene 15,15â€²-oxygenase in developing mouse tissues alters esterification of retinol, cholesterol and diacylglycerols. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2014, 1841, 34-43.	1.2	13
40	Î²-Caroteneâ€“Producing Bacteria Residing in the Intestine Provide Vitamin A to Mouse Tissues In Vivo. Journal of Nutrition, 2014, 144, 608-613.	1.3	13
41	High Preformed Vitamin A Intake during Pregnancy Prevents Embryonic Accumulation of Intact Î²-Carotene from the Maternal Circulation in Mice. Journal of Nutrition, 2015, 145, 1408-1414.	1.3	13
42	Impact of vitamin A transport and storage on intestinal retinoid homeostasis and functions. Journal of Lipid Research, 2021, 62, 100046.	2.0	13
43	Maternal-Fetal Transfer of Vitamin A and Its Impact on Mammalian Embryonic Development. Sub-Cellular Biochemistry, 2020, 95, 27-55.	1.0	11
44	Retinol as a cofactor for PKCÎ´â€•mediated impairment of insulin sensitivity in a mouse model of dietâ€•induced obesity. FASEB Journal, 2016, 30, 1339-1355.	0.2	10
45	Metabolic Interactions between Vitamin A and Conjugated Linoleic Acid. Nutrients, 2014, 6, 1262-1272.	1.7	9
46	Low-Density Lipoprotein Receptor Contributes to Î²-Carotene Uptake in the Maternal Liver. Nutrients, 2016, 8, 765.	1.7	9
47	Cyp1b1 directs Srebp-mediated cholesterol and retinoid synthesis in perinatal liver; Association with retinoic acid activity during fetal development. PLoS ONE, 2020, 15, e0228436.	1.1	9
48	Disproportionate Vitamin A Deficiency in Women of Specific Ethnicities Linked to Differences in Allele Frequencies of Vitamin A-Related Polymorphisms. Nutrients, 2021, 13, 1743.	1.7	8
49	A single dose of c9,t11 or t10,c12 conjugated linoleic acid isomers perturbs vitamin A metabolism in mice. Nutrition Research, 2011, 31, 855-862.	1.3	7
50	A Gold Standard to Accurately Assess Vitamin A Status: Are We There Yet?. Journal of Nutrition, 2016, 146, 1929-1930.	1.3	5
51	Alcohol exposure in utero perturbs retinoid homeostasis in adult rats. Hepatobiliary Surgery and Nutrition, 2015, 4, 268-77.	0.7	5
52	Biology of carotenoids in mammals. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2020, 1865, 158754.	1.2	4
53	Sample preparation for structural and functional analyses of the STRA6 receptor for retinol-binding protein. Methods in Enzymology, 2020, 637, 95-117.	0.4	1
54	Does betaâ€•caroteneâ€•9â€²,10â€²â€•oxygenase (CMO2) generate retinoic acid during embryonic development?. FASEB Journal, 2013, 27, 32.7.	0.2	1

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55	Microsomal triglyceride transfer protein-mediated transfer of Î²-carotene from donor to acceptor vesicles in vitro. Methods in Enzymology, 2022, , 343-362.	0.4	1
56	Overâ€expression of monoacylglycerol lipase (MGL) in mouse small intestine results in an obese phenotype. FASEB Journal, 2008, 22, 807.12.	0.2	0
57	Effects of dietary conjugated linoleic acid (CLA) on intestinal absorption of vitamin A. FASEB Journal, 2010, 24, 716.6.	0.2	0
58	Uptake of betaâ€carotene by the maternalâ€fetal barrier: influences of maternal vitamin A regimens and its mechanisms. FASEB Journal, 2012, 26, 640.2.	0.2	0
59	Mechanisms of Î²â€carotene transfer from placenta to embryo in mammals (LB406). FASEB Journal, 2014, 28, LB406.	0.2	0
60	Interaction between dietary vitamin A, gut microbes, and host vitamin A status. FASEB Journal, 2019, 33, .	0.2	0