Jean-Francois Landrier

List of Publications by Year
in descending order

115 papers	4,668 citations	101543 36 h-index	110387 64 g-index
120 all docs	120 docs citations	120 times ranked	6238 citing authors

#	Article	IF	Citations
1	Vitamin D3 Supplementation Alleviates Left Ventricular Dysfunction in a Mouse Model of Diet-Induced Type 2 Diabetes: Potential Involvement of Cardiac Lipotoxicity Modulation. Cardiovascular Drugs and Therapy, 2022, 36, 245-256.	2.6	6
2	Is vitamin A an antioxidant?. International Journal for Vitamin and Nutrition Research, 2022, , .	1.5	2
3	Recent insights into vitamin D, adipocyte, and adipose tissue biology. Obesity Reviews, 2022, 23, e13453.	6.5	14
4	Vitamin D and Obesity/Adiposityâ€"A Brief Overview of Recent Studies. Nutrients, 2022, 14, 2049.	4.1	28
5	Vitamin D Supplementation on Carotid Remodeling and Stiffness in Obese Adolescents. Nutrients, 2022, 14, 2296.	4.1	2
6	Maternal Vitamin D Deficiency in Mice Increases White Adipose Tissue Inflammation in Offspring. Cells, 2022, 11, 2024.	4.1	9
7	From carotenoid intake to carotenoid blood and tissue concentrations â€“ implications for dietary intake recommendations. Nutrition Reviews, 2021, 79, 544-573.	5.8	113
8	Botanic Origin of Propolis Extract Powder Drives Contrasted Impact on Diabesity in High-Fat-Fed Mice. Antioxidants, 2021, 10, 411.	5.1	5
9	Mechanistic aspects of carotenoid health benefits â€“ where are we now?. Nutrition Research Reviews, 2021, 34, 276-302.	4.1	61
10	Effect of vitamin D supplementation on microvascular reactivity in obese adolescents: A randomized controlled trial. Nutrition, Metabolism and Cardiovascular Diseases, 2021, 31, 2474-2483.	2.6	10
11	The Brassica napus (oilseed rape) seeds bioactive health effects are modulated by agronomical traits as assessed by a multi-scale omics approach in the metabolically impaired ob-mouse. Food Chemistry Molecular Sciences, 2021, 2, 100011.	2.1	3
12	Combined Beneficial Effect of Voluntary Physical Exercise and Vitamin D Supplementation in Diet-induced Obese C57BL/6J Mice. Medicine and Science in Sports and Exercise, 2021, 53, 1883-1894.	0.4	8
13	Long-term administration of resveratrol at low doses improves neurocognitive performance as well as cerebral blood flow and modulates the inflammatory pathways in the brain. Journal of Nutritional Biochemistry, 2021, 97, 108786.	4.2	13
14	Four days high fat diet modulates vitamin D metabolite levels and enzymes in mice. Journal of Endocrinology, 2021, 248, 87-93.	2.6	9
15	Long-term intake of 9-PAHPA or 9-OAHPA modulates favorably the basal metabolism and exerts an insulin sensitizing effect in obesogenic diet-fed mice. European Journal of Nutrition, 2021, 60, 2013-2027.	3.9	20
16	Î²â€€arotene Bioavailability and Conversion Efficiency Are Significantly Affected by Sex in Rats. Molecular Nutrition and Food Research, 2021, 65, e2100650.	3.3	9
17	Micronutrients and Markers of Oxidative Stress and Inflammation Related to Cardiometabolic Health: Results from the EHES-LUX Study. Nutrients, 2021, 13, 5.	4.1	11
18	Prenatal maternal vitamin D deficiency sexâ€dependently programs adipose tissue metabolism and energy homeostasis in offspring. FASEB Journal, 2020, 34, 14905-14919.	0.5	13

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19	Poplar Propolis Ethanolic Extract Reduces Body Weight Gain and Glucose Metabolism Disruption in Highâ€Fat Dietâ€Fed Mice. Molecular Nutrition and Food Research, 2020, 64, e2000275.	3.3	10
20	DNA Methylation Changes are Associated with the Programming of White Adipose Tissue Browning Features by Resveratrol and Nicotinamide Riboside Neonatal Supplementations in Mice. Nutrients, 2020, 12, 461.	4.1	20
21	Long-term high intake of 9-PAHPA or 9-OAHPA increases basal metabolism and insulin sensitivity but disrupts liver homeostasis in healthy mice. Journal of Nutritional Biochemistry, 2020, 79, 108361.	4.2	31
22	Murine double minute-2 mediates exercise-induced angiogenesis in adipose tissue of diet-induced obese mice. Microvascular Research, 2020, 130, 104003.	2.5	6
23	Vitamin D Supplementation Improves Adipose Tissue Inflammation and Reduces Hepatic Steatosis in Obese C57BL/6J Mice. Nutrients, 2020, 12, 342.	4.1	33
24	Carotenoids as Anti-obesity Supplements. , 2020, , 541-557.		1
25	A chronic LPS-induced low-grade inflammation fails to reproduce in lean mice the impairment of preference for oily solution found in diet-induced obese mice. Biochimie, 2019, 159, 112-121.	2.6	11
26	Diet induced obesity modifies vitamin D metabolism and adipose tissue storage in mice. Journal of Steroid Biochemistry and Molecular Biology, 2019, 185, 39-46.	2.5	29
27	MicroRNAs in Obesity and Related Metabolic Disorders. Cells, 2019, 8, 859.	4.1	144
28	Anti-Obesity Effect of Carotenoids: Direct Impact on Adipose Tissue and Adipose Tissue-Driven Indirect Effects. Nutrients, 2019, 11, 1562.	4.1	89
29	Simple Fast Quantification of Cholecalciferol, 25-Hydroxyvitamin D and 1,25-Dihydroxyvitamin D in Adipose Tissue Using LC-HRMS/MS. Nutrients, 2019, 11, 1977.	4.1	14
30	Resveratrol-mediated glycemic regulation is blunted by curcumin and is associated to modulation of gut microbiota. Journal of Nutritional Biochemistry, 2019, 72, 108218.	4.2	28
31	A Twoâ€Week Treatment with Plant Extracts Changes Gut Microbiota, Caecum Metabolome, and Markers of Lipid Metabolism in ob/ob Mice. Molecular Nutrition and Food Research, 2019, 63, e1900403.	3.3	16
32	Obesity and Vitamin D Metabolism Modifications. Journal of Bone and Mineral Research, 2019, 34, 1383-1383.	2.8	1
33	Longâ€Term Measures of Dyslipidemia, Inflammation, and Oxidative Stress in Rats Fed a Highâ€Fat/Highâ€Fructose Diet. Lipids, 2019, 54, 81-97.	1.7	33
34	Leptin Modulates the Expression of miRNAs-Targeting POMC mRNA by the JAK2-STAT3 and PI3K-Akt Pathways. Journal of Clinical Medicine, 2019, 8, 2213.	2.4	15
35	(allâ€E)â€•and (5Z)â€Lycopene Display Similar Biological Effects on Adipocytes. Molecular Nutrition and Food Research, 2019, 63, e1800788.	3.3	26
36	Gene Expression Pattern in Response to Cholecalciferol Supplementation Highlights Cubilin as a Major Protein of 25(OH)D Uptake in Adipocytes and Male Mice White Adipose Tissue. Endocrinology, 2018, 159, 957-966.	2.8	18

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37	Vitamin D limits inflammation-linked microRNA expression in adipocytes in vitro and in vivo: A new mechanism for the regulation of inflammation by vitamin D. Epigenetics, 2018, 13, 156-162.	2.7	88
38	Expression enhancement in brown adipose tissue of genes related to thermogenesis and mitochondrial dynamics after administration of pepsin egg white hydrolysate. Food and Function, 2018, 9, 6599-6607.	4.6	8
39	MicroRNAs are involved in the hypothalamic leptin sensitivity. Epigenetics, 2018, 13, 1127-1140.	2.7	16
40	Microparticle miRNAs as Biomarkers of Vascular Function and Inflammation Response to Aerobic Exercise in Obesity?. Obesity, 2018, 26, 1584-1593.	3.0	26
41	Genetic factors involved in the bioavailability of tomato carotenoids. Current Opinion in Clinical Nutrition and Metabolic Care, 2018, 21, 489-497.	2.5	7
42	High Fat/High Glucose Diet Induces Metabolic Syndrome in an Experimental Rat Model. Nutrients, 2018, 10, 1502.	4.1	125
43	Modulation of T Cell Activation in Obesity. Antioxidants and Redox Signaling, 2017, 26, 489-500.	5.4	17
44	Haemodialysis patients with diabetes eat less than those without: A plea for a permissive diet. Nephrology, 2017, 22, 712-719.	1.6	10
45	All- trans -retinoic acid represses chemokine expression in adipocytes and adipose tissue by inhibiting NF-ÎºB signaling. Journal of Nutritional Biochemistry, 2017, 42, 101-107.	4.2	36
46	Lycopene and tomato powder supplementation similarly inhibit high-fat diet induced obesity, inflammatory response, and associated metabolic disorders. Molecular Nutrition and Food Research, 2017, 61, 1601083.	3.3	105
47	Ascorbic acid drives the differentiation of mesodermâ€derived embryonic stem cells. Involvement of p38 MAPK/CREB and SVCT2 transporter. Molecular Nutrition and Food Research, 2017, 61, 1600506.	3.3	22
48	Plasma Retinol Concentration Is Mainly Driven by Transthyretin in Hemodialysis Patients. , 2017, 27, 395-401.		6
49	Reduced adiponectin expression after highâ€fat diet is associated with selective upâ€regulation of ALDH1A1 and further retinoic acid receptor signaling in adipose tissue. FASEB Journal, 2017, 31, 203-211.	0.5	40
50	GPR40 mediates potential positive effects of a saturated fatty acid enriched diet on bone. Molecular Nutrition and Food Research, 2017, 61, 1600219.	3.3	9
51	Vitamin D modulates adipose tissue biology: possible consequences for obesity?. Proceedings of the Nutrition Society, 2016, 75, 38-46.	1.0	60
52	Obesity-associated Inflammation Induces microRNA-155 Expression in Adipocytes and Adipose Tissue: Outcome on Adipocyte Function. Journal of Clinical Endocrinology and Metabolism, 2016, 101, 1615-1626.	3.6	88
53	Dietary regulation of adiponectin by direct and indirect lipid activators of nuclear hormone receptors. Molecular Nutrition and Food Research, 2016, 60, 175-184.	3.3	29
54	The â€œDose-Effectâ€•Relationship Between 25-Hydroxyvitamin D and Muscle Strength in Hemodialysis Patients Favors a Normal Threshold of 30Âng/mL for Plasma 25-Hydroxyvitamin D. , 2016, 26, 45-52.		26

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55	All-trans retinoic acid induces oxidative phosphorylation and mitochondria biogenesis in adipocytes. Journal of Lipid Research, 2015, 56, 1100-1109.	4.2	74
56	Multilevel systems biology modeling characterized the atheroprotective efficiencies of modified dairy fats in a hamster model. American Journal of Physiology - Heart and Circulatory Physiology, 2015, 309, H935-H945.	3.2	12
57	The Paired Basic Amino Acid-cleaving Enzyme 4 (PACE4) Is Involved in the Maturation of Insulin Receptor Isoform B. Journal of Biological Chemistry, 2015, 290, 2812-2821.	3.4	20
58	Vitamin D Limits Chemokine Expression in Adipocytes and Macrophage Migration In Vitro and in Male Mice. Endocrinology, 2015, 156, 1782-1793.	2.8	64
59	Increased body fat mass and tissue lipotoxicity associated with ovariectomy or high-fat diet differentially affects bone and skeletal muscle metabolism in rats. European Journal of Nutrition, 2015, 54, 1139-1149.	3.9	14
60	Independent positive association of plasma Î²-carotene concentrations with adiponectin among non-diabetic obese subjects. European Journal of Nutrition, 2015, 54, 447-454.	3.9	26
61	Ascorbic acid is a dose-dependent inhibitor of adipocyte differentiation, probably by reducing cAMP pool. Frontiers in Cell and Developmental Biology, 2014, 2, 29.	3.7	27
62	CamKII inhibitors reduce mitotic instability, connexon anomalies and progression of the in vivo behavioral phenotype in transgenic animals expressing a mutated Gjb1 gene. Frontiers in Neuroscience, 2014, 8, 151.	2.8	9
63	Structure Factor Model for understanding the ultrasonic scattering from concentrated cell pellet biophantoms. , 2014, , .		1
64	Visfatin is involved in TNFÎ±-mediated insulin resistance via an NAD⁺/Sirt1/PTP1B pathway in 3T3-L1 adipocytes. Adipocyte, 2014, 3, 180-189.	2.8	19
65	Structure factor model for understanding the measured backscatter coefficients from concentrated cell pellet biophantoms. Journal of the Acoustical Society of America, 2014, 135, 3620-3631.	1.1	35
66	Lycopene Modulates THP1 and Caco2 Cells Inflammatory State through Transcriptional and Nontranscriptional Processes. Mediators of Inflammation, 2014, 2014, 1-12.	3.0	16
67	Muscle ectopic fat deposition contributes to anabolic resistance in obese sarcopenic old rats through e<scp>IF</scp>2Î± activation. Aging Cell, 2014, 13, 1001-1011.	6.7	141
68	Vitamin D protects against diet-induced obesity by enhancing fatty acid oxidation. Journal of Nutritional Biochemistry, 2014, 25, 1077-1083.	4.2	110
69	Multivitamin restriction increases adiposity and disrupts glucose homeostasis in mice. Genes and Nutrition, 2014, 9, 410.	2.5	7
70	Vitamine D : sources, mÃ©tabolisme et mÃ©canismes dâ€™action. OCL - Oilseeds and Fats, Crops and Lipids, 2014, 21, D302.	1.4	3
71	Beneficial effects of omega-3 fatty acids on the consequences of a fructose diet are not mediated by PPAR delta or PGC1 alpha. European Journal of Nutrition, 2013, 52, 1865-1874.	3.9	14
72	Bioeffects of a combination of trace elements on adipocyte biology. Metallomics, 2013, 5, 524.	2.4	6

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73	On the use of the Structure Factor Model to understand the measured backscatter coefficient from concentrated cell pellet biophantoms. , 2013, , .		0
74	Palmitoylation of TNF alpha is involved in the regulation of TNF receptor 1 signalling. Biochimica Et Biophysica Acta - Molecular Cell Research, 2013, 1833, 602-612.	4.1	37
75	Vitamin D, adipose tissue, and obesity. Hormone Molecular Biology and Clinical Investigation, 2013, 15, 123-128.	0.7	17
76	Resistance to cisplatinâ€induced cell death conferred by the activity of organic anion transporting polypeptides (<scp>OATP</scp>) in human melanoma cells. Pigment Cell and Melanoma Research, 2013, 26, 592-596.	3.3	6
77	Chemokine Expression in Inflamed Adipose Tissue Is Mainly Mediated by NF-ÎºB. PLoS ONE, 2013, 8, e66515.	2.5	108
78	Vitamin <scp>D</scp> reduces the inflammatory response and restores glucose uptake in adipocytes. Molecular Nutrition and Food Research, 2012, 56, 1771-1782.	3.3	121
79	TNFÎ± gene knockout differentially affects lipid deposition in liver and skeletal muscle of high-fat-diet mice. Journal of Nutritional Biochemistry, 2012, 23, 1685-1693.	4.2	32
80	Lipophilic Micronutrients and Adipose Tissue Biology. Nutrients, 2012, 4, 1622-1649.	4.1	95
81	Lycopene attenuates <scp>LPS</scp>â€induced <scp>TNFâ€Î±</scp> secretion in macrophages and inflammatory markers in adipocytes exposed to macrophageâ€conditioned media. Molecular Nutrition and Food Research, 2012, 56, 725-732.	3.3	110
82	Effects of physicochemical properties of carotenoids on their bioaccessibility, intestinal cell uptake, and blood and tissue concentrations. Molecular Nutrition and Food Research, 2012, 56, 1385-1397.	3.3	124
83	Modulation of miRNA Expression by Dietary Polyphenols in apoE Deficient Mice: A New Mechanism of the Action of Polyphenols. PLoS ONE, 2012, 7, e29837.	2.5	147
84	Apo-10'-lycopenoic acid impacts adipose tissue biology via the retinoic acid receptors. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2011, 1811, 1105-1114.	2.4	59
85	Vitamine E et physiologie du tissu adipeux. Oleagineux Corps Gras Lipides, 2011, 18, 83-87.	0.2	2
86	Oleate-enriched diet improves insulin sensitivity and restores muscle protein synthesis in old rats. Clinical Nutrition, 2011, 30, 799-806.	5.0	41
87	CD36 is involved in lycopene and lutein uptake by adipocytes and adipose tissue cultures. Molecular Nutrition and Food Research, 2011, 55, 578-584.	3.3	82
88	Vitamin D intestinal absorption is not a simple passive diffusion: Evidences for involvement of cholesterol transporters. Molecular Nutrition and Food Research, 2011, 55, 691-702.	3.3	161
89	Gene expression response of mouse lung, liver and white adipose tissue to Î²â€carotene supplementation, knockout of Bcmo1 and sex. Molecular Nutrition and Food Research, 2011, 55, 1466-1474.	3.3	16
90	Lycopene inhibits proinflammatory cytokine and chemokine expression in adipose tissue. Journal of Nutritional Biochemistry, 2011, 22, 642-648.	4.2	121

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91	Beta-Carotene Reduces Body Adiposity of Mice via BCMO1. PLoS ONE, 2011, 6, e20644.	2.5	133
92	Analysis of gene expression pattern reveals potential targets of dietary oleoylethanolamide in reducing body fat gain in C3H miceâ˜†. Journal of Nutritional Biochemistry, 2010, 21, 922-928.	4.2	30
93	Vitamin E decreases endogenous cholesterol synthesis and apo-AI-mediated cholesterol secretion in Caco-2 cells. Journal of Nutritional Biochemistry, 2010, 21, 1207-1213.	4.2	48
94	Adiponectin Expression Is Induced by Vitamin E via a Peroxisome Proliferator-Activated Receptor Î³-Dependent Mechanism. Endocrinology, 2009, 150, 5318-5325.	2.8	110
95	ATP-binding cassette transporter A1 is significantly involved in the intestinal absorption of Î±- and Î³-tocopherol but not in that of retinyl palmitate in mice. American Journal of Clinical Nutrition, 2009, 89, 177-184.	4.7	71
96	Hepatic lipid metabolism response to dietary fatty acids is differently modulated by PPARÎ± in male and female mice. European Journal of Nutrition, 2009, 48, 465-473.	3.9	30
97	Î²-Carotene conversion products and their effects on adipose tissue. Genes and Nutrition, 2009, 4, 179-187.	2.5	61
98	A multi-gene analysis strategy identifies metabolic pathways targeted by trans-10, cis-12-conjugated linoleic acid in the liver of hamsters. British Journal of Nutrition, 2009, 102, 537.	2.3	9
99	THE DIHYDROCHALCONE PHLORETIN ENHANCES ADIPOCYTE DIFFERENTIATION AND ADIPONECTIN EXPRESSION. Acta Horticulturae, 2009, , 157-166.	0.2	0
100	NPC1L1 and SRâ€BI are Involved in Intestinal Cholesterol Absorption from Smallâ€Size Lipid Donors. Lipids, 2008, 43, 401-408.	1.7	26
101	Purified low-density lipoprotein and bovine serum albumin efficiency to internalise lycopene into adipocytes. Food and Chemical Toxicology, 2008, 46, 3832-3836.	3.6	41
102	Comparison of different vehicles to study the effect of tocopherols on gene expression in intestinal cells. Free Radical Research, 2008, 42, 523-530.	3.3	38
103	Lycopene Absorption in Human Intestinal Cells and in Mice Involves Scavenger Receptor Class B Type I but Not Niemann-Pick C1-Like 1. Journal of Nutrition, 2008, 138, 1432-1436.	2.9	118
104	Vitamines liposolubles et matiÃ¨re grasse laitiÃ¨re. DonnÃ©es rÃ©centes sur l'absorption, le mÃ©tabolisme et la rÃ©gulation de l'expression gÃ©nique par ces vitamines. Sciences Des Aliments, 2008, 28, 99-105.	0.2	0
105	Phloretin enhances adipocyte differentiation and adiponectin expression in 3T3-L1 cells. Biochemical and Biophysical Research Communications, 2007, 361, 208-213.	2.1	93
106	The nuclear receptor for bile acids, FXR, transactivates human organic solute transporter-Î± and -Î² genes. American Journal of Physiology - Renal Physiology, 2006, 290, G476-G485.	3.4	189
107	Cholesterol dependent downregulation of mouse and human apical sodium dependent bile acid transporter (ASBT) gene expression: molecular mechanism and physiological consequences. Gut, 2006, 55, 1321-1331.	12.1	33
108	The gene encoding the human ileal bile acid-binding protein (I-BABP) is regulated by peroxisome proliferator-activated receptors. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2005, 1735, 41-49.	2.4	13

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109	Statin Induction of Liver Fatty Acid-Binding Protein (L-FABP) Gene Expression Is Peroxisome Proliferator-activated Receptor-Î±-dependent. Journal of Biological Chemistry, 2004, 279, 45512-45518.	3.4	84
110	Modification of intestinal bile acid-binding protein (I-BABP) expression after exposure to ionising radiation. Gastroenterology, 2003, 124, A310.	1.3	0
111	FXRE can function as an LXRE in the promoter of human ileal bile acid-binding protein (I-BABP) gene. FEBS Letters, 2003, 553, 299-303.	2.8	21
112	Sterol Regulatory Element-binding Protein-1c Is Responsible for Cholesterol Regulation of Ileal Bile Acid-binding Protein Gene in Vivo. Journal of Biological Chemistry, 2002, 277, 1324-1331.	3.4	27
113	Title is missing!. Molecular and Cellular Biochemistry, 2002, 239, 149-155.	3.1	23
114	Regulation of the ileal bile acid-binding protein gene: An approach to determine its physiological function(s). , 2002, , 149-155.		1
115	Regulation of the ileal bile acid-binding protein gene: an approach to determine its physiological function(s). Molecular and Cellular Biochemistry, 2002, 239, 149-55.	3.1	6