

Jean-Francois Landrier

List of Publications by Year in descending order

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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	The nuclear receptor for bile acids, FXR, transactivates human organic solute transporter-1 \pm and -2 genes. American Journal of Physiology - Renal Physiology, 2006, 290, G476-G485.	3.4	189
2	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
3	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
4	MicroRNAs in Obesity and Related Metabolic Disorders. Cells, 2019, 8, 859.	4.1	144
5	Muscle ectopic fat deposition contributes to anabolic resistance in obese sarcopenic old rats through $\text{mTOR}^{\text{S6K1}}$ activation. Aging Cell, 2014, 13, 1001-1011.	6.7	141
6	Beta-Carotene Reduces Body Adiposity of Mice via BCMO1. PLoS ONE, 2011, 6, e20644.	2.5	133
7	High Fat/High Glucose Diet Induces Metabolic Syndrome in an Experimental Rat Model. Nutrients, 2018, 10, 1502.	4.1	125
8	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
9	Lycopene inhibits proinflammatory cytokine and chemokine expression in adipose tissue. Journal of Nutritional Biochemistry, 2011, 22, 642-648.	4.2	121
10	Vitamin D reduces the inflammatory response and restores glucose uptake in adipocytes. Molecular Nutrition and Food Research, 2012, 56, 1771-1782.	3.3	121
11	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
12	From carotenoid intake to carotenoid blood and tissue concentrations – implications for dietary intake recommendations. Nutrition Reviews, 2021, 79, 544-573.	5.8	113
13	Adiponectin Expression Is Induced by Vitamin E via a Peroxisome Proliferator-Activated Receptor γ -Dependent Mechanism. Endocrinology, 2009, 150, 5318-5325.	2.8	110
14	Lycopene attenuates LPS-induced TNF α secretion in macrophages and inflammatory markers in adipocytes exposed to macrophage-conditioned media. Molecular Nutrition and Food Research, 2012, 56, 725-732.	3.3	110
15	Vitamin D protects against diet-induced obesity by enhancing fatty acid oxidation. Journal of Nutritional Biochemistry, 2014, 25, 1077-1083.	4.2	110
16	Chemokine Expression in Inflamed Adipose Tissue Is Mainly Mediated by NF- κ B. PLoS ONE, 2013, 8, e66515.	2.5	108
17	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
18	Lipophilic Micronutrients and Adipose Tissue Biology. Nutrients, 2012, 4, 1622-1649.	4.1	95

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19	Phloretin enhances adipocyte differentiation and adiponectin expression in 3T3-L1 cells. Biochemical and Biophysical Research Communications, 2007, 361, 208-213.	2.1	93
20	Anti-Obesity Effect of Carotenoids: Direct Impact on Adipose Tissue and Adipose Tissue-Driven Indirect Effects. Nutrients, 2019, 11, 1562.	4.1	89
21	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
22	Vitamin D limits inflammation-linked microRNA expression in adipocytes <i>in vitro</i> and <i>in vivo</i> : A new mechanism for the regulation of inflammation by vitamin D. Epigenetics, 2018, 13, 156-162.	2.7	88
23	Statin Induction of Liver Fatty Acid-Binding Protein (L-FABP) Gene Expression Is Peroxisome Proliferator-activated Receptor- α -dependent. Journal of Biological Chemistry, 2004, 279, 45512-45518.	3.4	84
24	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
25	All-trans retinoic acid induces oxidative phosphorylation and mitochondria biogenesis in adipocytes. Journal of Lipid Research, 2015, 56, 1100-1109.	4.2	74
26	ATP-binding cassette transporter A1 is significantly involved in the intestinal absorption of α - and β -tocopherol but not in that of retinyl palmitate in mice. American Journal of Clinical Nutrition, 2009, 89, 177-184.	4.7	71
27	Vitamin D Limits Chemokine Expression in Adipocytes and Macrophage Migration In Vitro and in Male Mice. Endocrinology, 2015, 156, 1782-1793.	2.8	64
28	β -Carotene conversion products and their effects on adipose tissue. Genes and Nutrition, 2009, 4, 179-187.	2.5	61
29	Mechanistic aspects of carotenoid health benefits “where are we now?”. Nutrition Research Reviews, 2021, 34, 276-302.	4.1	61
30	Vitamin D modulates adipose tissue biology: possible consequences for obesity?. Proceedings of the Nutrition Society, 2016, 75, 38-46.	1.0	60
31	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
32	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
33	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
34	Oleate-enriched diet improves insulin sensitivity and restores muscle protein synthesis in old rats. Clinical Nutrition, 2011, 30, 799-806.	5.0	41
35	Reduced adiponectin expression after high-fat diet is associated with selective up-regulation of ALDH1A1 and further retinoic acid receptor signaling in adipose tissue. FASEB Journal, 2017, 31, 203-211.	0.5	40
36	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

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37	Palmitoylation of TNF alpha is involved in the regulation of TNF receptor 1 signalling. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2013, 1833, 602-612.	4.1	37
38	All- trans -retinoic acid represses chemokine expression in adipocytes and adipose tissue by inhibiting NF- κ B signaling. <i>Journal of Nutritional Biochemistry</i> , 2017, 42, 101-107.	4.2	36
39	Structure factor model for understanding the measured backscatter coefficients from concentrated cell pellet biophantoms. <i>Journal of the Acoustical Society of America</i> , 2014, 135, 3620-3631.	1.1	35
40	Cholesterol dependent downregulation of mouse and human apical sodium dependent bile acid transporter (ASBT) gene expression: molecular mechanism and physiological consequences. <i>Gut</i> , 2006, 55, 1321-1331.	12.1	33
41	Long-term Measures of Dyslipidemia, Inflammation, and Oxidative Stress in Rats Fed a High-Fat/High-Fructose Diet. <i>Lipids</i> , 2019, 54, 81-97.	1.7	33
42	Vitamin D Supplementation Improves Adipose Tissue Inflammation and Reduces Hepatic Steatosis in Obese C57BL/6J Mice. <i>Nutrients</i> , 2020, 12, 342.	4.1	33
43	TNF α gene knockout differentially affects lipid deposition in liver and skeletal muscle of high-fat-diet mice. <i>Journal of Nutritional Biochemistry</i> , 2012, 23, 1685-1693.	4.2	32
44	Long-term high intake of 9-PAHPA or 9-OAHPA increases basal metabolism and insulin sensitivity but disrupts liver homeostasis in healthy mice. <i>Journal of Nutritional Biochemistry</i> , 2020, 79, 108361.	4.2	31
45	Hepatic lipid metabolism response to dietary fatty acids is differently modulated by PPAR α in male and female mice. <i>European Journal of Nutrition</i> , 2009, 48, 465-473.	3.9	30
46	Analysis of gene expression pattern reveals potential targets of dietary oleoylethanolamide in reducing body fat gain in C3H mice. <i>Journal of Nutritional Biochemistry</i> , 2010, 21, 922-928.	4.2	30
47	Dietary regulation of adiponectin by direct and indirect lipid activators of nuclear hormone receptors. <i>Molecular Nutrition and Food Research</i> , 2016, 60, 175-184.	3.3	29
48	Diet induced obesity modifies vitamin D metabolism and adipose tissue storage in mice. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2019, 185, 39-46.	2.5	29
49	Resveratrol-mediated glycemic regulation is blunted by curcumin and is associated to modulation of gut microbiota. <i>Journal of Nutritional Biochemistry</i> , 2019, 72, 108218.	4.2	28
50	Vitamin D and Obesity/Adiposity—A Brief Overview of Recent Studies. <i>Nutrients</i> , 2022, 14, 2049.	4.1	28
51	Sterol Regulatory Element-binding Protein-1c Is Responsible for Cholesterol Regulation of Ileal Bile Acid-binding Protein Gene in Vivo. <i>Journal of Biological Chemistry</i> , 2002, 277, 1324-1331.	3.4	27
52	Ascorbic acid is a dose-dependent inhibitor of adipocyte differentiation, probably by reducing cAMP pool. <i>Frontiers in Cell and Developmental Biology</i> , 2014, 2, 29.	3.7	27
53	NPC1L1 and SR-BI are Involved in Intestinal Cholesterol Absorption from Small-Size Lipid Donors. <i>Lipids</i> , 2008, 43, 401-408.	1.7	26
54	Independent positive association of plasma β -carotene concentrations with adiponectin among non-diabetic obese subjects. <i>European Journal of Nutrition</i> , 2015, 54, 447-454.	3.9	26

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55	The "Dose-Effect" Relationship Between 25-Hydroxyvitamin D and Muscle Strength in Hemodialysis Patients Favors a Normal Threshold of 30Ång/mL for Plasma 25-Hydroxyvitamin D. , 2016, 26, 45-52.		26
56	Microparticle miRNAs as Biomarkers of Vascular Function and Inflammation Response to Aerobic Exercise in Obesity?. Obesity, 2018, 26, 1584-1593.	3.0	26
57	(all"and (5Z)"Lycopene Display Similar Biological Effects on Adipocytes. Molecular Nutrition and Food Research, 2019, 63, e1800788.	3.3	26
58	Title is missing!. Molecular and Cellular Biochemistry, 2002, 239, 149-155.	3.1	23
59	Ascorbic acid drives the differentiation of mesoderm"derived embryonic stem cells. Involvement of p38 MAPK/CREB and SVCT2 transporter. Molecular Nutrition and Food Research, 2017, 61, 1600506.	3.3	22
60	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
61	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
62	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
63	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
64	Visfatin is involved in TNF±-mediated insulin resistance via an NAD⁺/Sirt1/PTP1B pathway in 3T3-L1 adipocytes. Adipocyte, 2014, 3, 180-189.	2.8	19
65	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
66	Vitamin D, adipose tissue, and obesity. Hormone Molecular Biology and Clinical Investigation, 2013, 15, 123-128.	0.7	17
67	Modulation of T Cell Activation in Obesity. Antioxidants and Redox Signaling, 2017, 26, 489-500.	5.4	17
68	Gene expression response of mouse lung, liver and white adipose tissue to ð"carotene supplementation, knockout of <i>Bcmo1</i> and sex. Molecular Nutrition and Food Research, 2011, 55, 1466-1474.	3.3	16
69	Lycopene Modulates THP1 and Caco2 Cells Inflammatory State through Transcriptional and Nontranscriptional Processes. Mediators of Inflammation, 2014, 2014, 1-12.	3.0	16
70	MicroRNAs are involved in the hypothalamic leptin sensitivity. Epigenetics, 2018, 13, 1127-1140.	2.7	16
71	A Two"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
72	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

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73	Beneficial effects of omega-3 fatty acids on the consequences of a fructose diet are not mediated by PPAR delta or PGC1 alpha. <i>European Journal of Nutrition</i> , 2013, 52, 1865-1874.	3.9	14
74	Increased body fat mass and tissue lipotoxicity associated with ovariectomy or high-fat diet differentially affects bone and skeletal muscle metabolism in rats. <i>European Journal of Nutrition</i> , 2015, 54, 1139-1149.	3.9	14
75	Simple Fast Quantification of Cholecalciferol, 25-Hydroxyvitamin D and 1,25-Dihydroxyvitamin D in Adipose Tissue Using LC-HRMS/MS. <i>Nutrients</i> , 2019, 11, 1977.	4.1	14
76	Recent insights into vitamin D, adipocyte, and adipose tissue biology. <i>Obesity Reviews</i> , 2022, 23, e13453.	6.5	14
77	The gene encoding the human ileal bile acid-binding protein (I-BABP) is regulated by peroxisome proliferator-activated receptors. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2005, 1735, 41-49.	2.4	13
78	Prenatal maternal vitamin D deficiency sex-dependently programs adipose tissue metabolism and energy homeostasis in offspring. <i>FASEB Journal</i> , 2020, 34, 14905-14919.	0.5	13
79	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. <i>Journal of Nutritional Biochemistry</i> , 2021, 97, 108786.	4.2	13
80	Multilevel systems biology modeling characterized the atheroprotective efficiencies of modified dairy fats in a hamster model. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2015, 309, H935-H945.	3.2	12
81	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. <i>Biochimie</i> , 2019, 159, 112-121.	2.6	11
82	Micronutrients and Markers of Oxidative Stress and Inflammation Related to Cardiometabolic Health: Results from the EHES-LUX Study. <i>Nutrients</i> , 2021, 13, 5.	4.1	11
83	Haemodialysis patients with diabetes eat less than those without: A plea for a permissive diet. <i>Nephrology</i> , 2017, 22, 712-719.	1.6	10
84	Poplar Propolis Ethanolic Extract Reduces Body Weight Gain and Glucose Metabolism Disruption in High-Fat Diet-Fed Mice. <i>Molecular Nutrition and Food Research</i> , 2020, 64, e2000275.	3.3	10
85	Effect of vitamin D supplementation on microvascular reactivity in obese adolescents: A randomized controlled trial. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2021, 31, 2474-2483.	2.6	10
86	A multi-gene analysis strategy identifies metabolic pathways targeted by trans-10, cis-12-conjugated linoleic acid in the liver of hamsters. <i>British Journal of Nutrition</i> , 2009, 102, 537.	2.3	9
87	CamKII inhibitors reduce mitotic instability, connexon anomalies and progression of the in vivo behavioral phenotype in transgenic animals expressing a mutated Gjb1 gene. <i>Frontiers in Neuroscience</i> , 2014, 8, 151.	2.8	9
88	GPR40 mediates potential positive effects of a saturated fatty acid enriched diet on bone. <i>Molecular Nutrition and Food Research</i> , 2017, 61, 1600219.	3.3	9
89	Four days high fat diet modulates vitamin D metabolite levels and enzymes in mice. <i>Journal of Endocrinology</i> , 2021, 248, 87-93.	2.6	9
90	Î-carotene Bioavailability and Conversion Efficiency Are Significantly Affected by Sex in Rats. <i>Molecular Nutrition and Food Research</i> , 2021, 65, e2100650.	3.3	9

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91	Maternal Vitamin D Deficiency in Mice Increases White Adipose Tissue Inflammation in Offspring. Cells, 2022, 11, 2024.	4.1	9
92	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
93	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
94	Multivitamin restriction increases adiposity and disrupts glucose homeostasis in mice. Genes and Nutrition, 2014, 9, 410.	2.5	7
95	Genetic factors involved in the bioavailability of tomato carotenoids. Current Opinion in Clinical Nutrition and Metabolic Care, 2018, 21, 489-497.	2.5	7
96	Bioeffects of a combination of trace elements on adipocyte biology. Metallomics, 2013, 5, 524.	2.4	6
97	Resistance to cisplatin-induced cell death conferred by the activity of organic anion transporting polypeptides (<sc>OATP</sc>) in human melanoma cells. Pigment Cell and Melanoma Research, 2013, 26, 592-596.	3.3	6
98	Plasma Retinol Concentration Is Mainly Driven by Transthyretin in Hemodialysis Patients. , 2017, 27, 395-401.		6
99	Murine double minute-2 mediates exercise-induced angiogenesis in adipose tissue of diet-induced obese mice. Microvascular Research, 2020, 130, 104003.	2.5	6
100	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
101	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
102	Botanic Origin of Propolis Extract Powder Drives Contrasted Impact on Diabesity in High-Fat-Fed Mice. Antioxidants, 2021, 10, 411.	5.1	5
103	Vitamine D : sources, mÃ©tabolisme et mÃ©canismes d'action. OCL - Oilseeds and Fats, Crops and Lipids, 2014, 21, D302.	1.4	3
104	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
105	Vitamine E et physiologie du tissu adipeux. Oleagineux Corps Gras Lipides, 2011, 18, 83-87.	0.2	2
106	Is vitamin A an antioxidant?. International Journal for Vitamin and Nutrition Research, 2022, , .	1.5	2
107	Vitamin D Supplementation on Carotid Remodeling and Stiffness in Obese Adolescents. Nutrients, 2022, 14, 2296.	4.1	2
108	Structure Factor Model for understanding the ultrasonic scattering from concentrated cell pellet biophantoms. , 2014, , .		1

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109	Obesity and Vitamin D Metabolism Modifications. Journal of Bone and Mineral Research, 2019, 34, 1383-1383.	2.8	1
110	Regulation of the ileal bile acid-binding protein gene: An approach to determine its physiological function(s). , 2002, , 149-155.		1
111	Carotenoids as Anti-obesity Supplements. , 2020, , 541-557.		1
112	Modification of intestinal bile acid-binding protein (I-BABP) expression after exposure to ionising radiation. Gastroenterology, 2003, 124, A310.	1.3	0
113	On the use of the Structure Factor Model to understand the measured backscatter coefficient from concentrated cell pellet biophantoms. , 2013, , .		0
114	Vitamines liposolubles et mati��re grasse laiti��re. Donn��es r��centes sur l'absorption, le m��tabolisme et la r��gulation de l'expression g��n��rique par ces vitamines. Sciences Des Aliments, 2008, 28, 99-105.	0.2	0
115	THE DIHYDROCHALCONE PHLORETIN ENHANCES ADIPOCYTE DIFFERENTIATION AND ADIPONECTIN EXPRESSION. Acta Horticulturae, 2009, , 157-166.	0.2	0