

# Jean-Francois Landrier

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

109  
papers

3,364  
citations

33  
h-index

55  
g-index

120  
ext. papers

3,992  
ext. citations

4.9  
avg, IF

5.21  
L-index

#	Paper	IF	Citations
109	Is vitamin A an antioxidant?. <i>International Journal for Vitamin and Nutrition Research</i> , <b>2022</b> ,	1.7	
108	Recent insights into vitamin D, adipocyte, and adipose tissue biology.. <i>Obesity Reviews</i> , <b>2022</b> , e13453	10.6	2
107	Vitamin D and Obesity/Adiposity: A Brief Overview of Recent Studies. <i>Nutrients</i> , <b>2022</b> , 14, 2049	6.7	1
106	Vitamin D Supplementation on Carotid Remodeling and Stiffness in Obese Adolescents. <i>Nutrients</i> , <b>2022</b> , 14, 2296	6.7	0
105	β-Carotene Bioavailability and Conversion Efficiency Are Significantly Affected by Sex in Rats: First Observation Suggesting a Possible Hormetic Regulation of Vitamin A Metabolism in Female Rats. <i>Molecular Nutrition and Food Research</i> , <b>2021</b> , 65, e2100650	5.9	1
104	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. <i>European Journal of Nutrition</i> , <b>2021</b> , 60, 2013-2027	5.2	11
103	Vitamin D Supplementation Alleviates Left Ventricular Dysfunction in a Mouse Model of Diet-Induced Type 2 Diabetes: Potential Involvement of Cardiac Lipotoxicity Modulation. <i>Cardiovascular Drugs and Therapy</i> , <b>2021</b> , 1	3.9	1
102	Mechanistic aspects of carotenoid health benefits - where are we now?. <i>Nutrition Research Reviews</i> , <b>2021</b> , 34, 276-302	7	14
101	Effect of vitamin D supplementation on microvascular reactivity in obese adolescents: A randomized controlled trial. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , <b>2021</b> , 31, 2474-2483	4.5	1
100	From carotenoid intake to carotenoid blood and tissue concentrations - implications for dietary intake recommendations. <i>Nutrition Reviews</i> , <b>2021</b> , 79, 544-573	6.4	40
99	The (oilseed rape) seeds bioactive health effects are modulated by agronomical traits as assessed by a multi-scale omics approach in the metabolically impaired -mouse.. <i>Food Chemistry Molecular Sciences</i> , <b>2021</b> , 2, 100011	1	0
98	Combined Beneficial Effect of Voluntary Physical Exercise and Vitamin D Supplementation in Diet-induced Obese C57BL/6J Mice. <i>Medicine and Science in Sports and Exercise</i> , <b>2021</b> , 53, 1883-1894	1.2	2
97	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> , <b>2021</b> , 97, 108786	6.3	1
96	Four days high fat diet modulates vitamin D metabolite levels and enzymes in mice. <i>Journal of Endocrinology</i> , <b>2021</b> , 248, 87-93	4.7	1
95	DNA Methylation Changes are Associated with the Programming of White Adipose Tissue Browning Features by Resveratrol and Nicotinamide Riboside Neonatal Supplementations in Mice. <i>Nutrients</i> , <b>2020</b> , 12,	6.7	12
94	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> , <b>2020</b> , 79, 108361	6.3	17
93	Carotenoids as Anti-obesity Supplements <b>2020</b> , 541-557		

92	Vitamin D Supplementation Improves Adipose Tissue Inflammation and Reduces Hepatic Steatosis in Obese C57BL/6J Mice. <i>Nutrients</i> , <b>2020</b> , 12,	6.7	13
91	Micronutrients and Markers of Oxidative Stress and Inflammation Related to Cardiometabolic Health: Results from the EHES-LUX Study. <i>Nutrients</i> , <b>2020</b> , 13,	6.7	2
90	Prenatal maternal vitamin D deficiency sex-dependently programs adipose tissue metabolism and energy homeostasis in offspring. <i>FASEB Journal</i> , <b>2020</b> , 34, 14905-14919	0.9	4
89	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> , <b>2020</b> , 64, e2000275	5.9	3
88	Murine double minute-2 mediates exercise-induced angiogenesis in adipose tissue of diet-induced obese mice. <i>Microvascular Research</i> , <b>2020</b> , 130, 104003	3.7	3
87	Simple Fast Quantification of Cholecalciferol, 25-Hydroxyvitamin D and 1,25-Dihydroxyvitamin D in Adipose Tissue Using LC-HRMS/MS. <i>Nutrients</i> , <b>2019</b> , 11,	6.7	6
86	Resveratrol-mediated glycemic regulation is blunted by curcumin and is associated to modulation of gut microbiota. <i>Journal of Nutritional Biochemistry</i> , <b>2019</b> , 72, 108218	6.3	19
85	A Two-Week Treatment with Plant Extracts Changes Gut Microbiota, Caecum Metabolome, and Markers of Lipid Metabolism in ob/ob Mice. <i>Molecular Nutrition and Food Research</i> , <b>2019</b> , 63, e1900403	5.9	9
84	Obesity and Vitamin D Metabolism Modifications. <i>Journal of Bone and Mineral Research</i> , <b>2019</b> , 34, 1383	6.3	1
83	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> , <b>2019</b> , 159, 112-121	4.6	9
82	Diet induced obesity modifies vitamin D metabolism and adipose tissue storage in mice. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , <b>2019</b> , 185, 39-46	5.1	22
81	MicroRNAs in Obesity and Related Metabolic Disorders. <i>Cells</i> , <b>2019</b> , 8,	7.9	72
80	Anti-Obesity Effect of Carotenoids: Direct Impact on Adipose Tissue and Adipose Tissue-Driven Indirect Effects. <i>Nutrients</i> , <b>2019</b> , 11,	6.7	46
79	Long-Term Measures of Dyslipidemia, Inflammation, and Oxidative Stress in Rats Fed a High-Fat/High-Fructose Diet. <i>Lipids</i> , <b>2019</b> , 54, 81-97	1.6	22
78	Leptin Modulates the Expression of miRNAs-Targeting POMC mRNA by the JAK2-STAT3 and PI3K-Akt Pathways. <i>Journal of Clinical Medicine</i> , <b>2019</b> , 8,	5.1	6
77	(all-E)- and (5Z)-Lycopene Display Similar Biological Effects on Adipocytes. <i>Molecular Nutrition and Food Research</i> , <b>2019</b> , 63, e1800788	5.9	21
76	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. <i>Endocrinology</i> , <b>2018</b> , 159, 957-966	4.8	14
75	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. <i>Epigenetics</i> , <b>2018</b> , 13, 156-162	5.7	55

74	Expression enhancement in brown adipose tissue of genes related to thermogenesis and mitochondrial dynamics after administration of pepsin egg white hydrolysate. <i>Food and Function</i> , <b>2018</b> , 9, 6599-6607	6.1	5
73	MicroRNAs are involved in the hypothalamic leptin sensitivity. <i>Epigenetics</i> , <b>2018</b> , 13, 1127-1140	5.7	10
72	Microparticle miRNAs as Biomarkers of Vascular Function and Inflammation Response to Aerobic Exercise in Obesity?. <i>Obesity</i> , <b>2018</b> , 26, 1584-1593	8	15
71	Genetic factors involved in the bioavailability of tomato carotenoids. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , <b>2018</b> , 21, 489-497	3.8	5
70	High Fat/High Glucose Diet Induces Metabolic Syndrome in an Experimental Rat Model. <i>Nutrients</i> , <b>2018</b> , 10,	6.7	63
69	Modulation of T Cell Activation in Obesity. <i>Antioxidants and Redox Signaling</i> , <b>2017</b> , 26, 489-500	8.4	11
68	Haemodialysis patients with diabetes eat less than those without: A plea for a permissive diet. <i>Nephrology</i> , <b>2017</b> , 22, 712-719	2.2	7
67	All-trans-retinoic acid represses chemokine expression in adipocytes and adipose tissue by inhibiting NF- $\kappa$ B signaling. <i>Journal of Nutritional Biochemistry</i> , <b>2017</b> , 42, 101-107	6.3	28
66	Lycopene and tomato powder supplementation similarly inhibit high-fat diet induced obesity, inflammatory response, and associated metabolic disorders. <i>Molecular Nutrition and Food Research</i> , <b>2017</b> , 61, 1601083	5.9	68
65	Ascorbic acid drives the differentiation of mesoderm-derived embryonic stem cells. Involvement of p38 MAPK/CREB and SVCT2 transporter. <i>Molecular Nutrition and Food Research</i> , <b>2017</b> , 61, 1600506	5.9	11
64	Plasma Retinol Concentration Is Mainly Driven by Transthyretin in Hemodialysis Patients. <i>Journal of Renal Nutrition</i> , <b>2017</b> , 27, 395-401	3	5
63	Reduced adiponectin expression after high-fat diet is associated with selective up-regulation of ALDH1A1 and further retinoic acid receptor signaling in adipose tissue. <i>FASEB Journal</i> , <b>2017</b> , 31, 203-211	6.9	25
62	GPR40 mediates potential positive effects of a saturated fatty acid enriched diet on bone. <i>Molecular Nutrition and Food Research</i> , <b>2017</b> , 61, 1600219	5.9	5
61	Dietary regulation of adiponectin by direct and indirect lipid activators of nuclear hormone receptors. <i>Molecular Nutrition and Food Research</i> , <b>2016</b> , 60, 175-84	5.9	22
60	The "Dose-Effect" Relationship Between 25-Hydroxyvitamin D and Muscle Strength in Hemodialysis Patients Favors a Normal Threshold of 30 ng/mL for Plasma 25-Hydroxyvitamin D. <i>Journal of Renal Nutrition</i> , <b>2016</b> , 26, 45-52	3	16
59	Vitamin D modulates adipose tissue biology: possible consequences for obesity?. <i>Proceedings of the Nutrition Society</i> , <b>2016</b> , 75, 38-46	2.9	45
58	Obesity-associated Inflammation Induces microRNA-155 Expression in Adipocytes and Adipose Tissue: Outcome on Adipocyte Function. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2016</b> , 101, 1615-26	5.6	62
57	The paired basic amino acid-cleaving enzyme 4 (PACE4) is involved in the maturation of insulin receptor isoform B: an opportunity to reduce the specific insulin receptor-dependent effects of insulin-like growth factor 2 (IGF2). <i>Journal of Biological Chemistry</i> , <b>2015</b> , 290, 2812-21	5.4	17

56	Vitamin D limits chemokine expression in adipocytes and macrophage migration in vitro and in male mice. <i>Endocrinology</i> , <b>2015</b> , 156, 1782-93	4.8	49
55	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> , <b>2015</b> , 54, 1139-49	5.2	14
54	Independent positive association of plasma $\beta$ -carotene concentrations with adiponectin among non-diabetic obese subjects. <i>European Journal of Nutrition</i> , <b>2015</b> , 54, 447-54	5.2	20
53	All-trans retinoic acid induces oxidative phosphorylation and mitochondria biogenesis in adipocytes. <i>Journal of Lipid Research</i> , <b>2015</b> , 56, 1100-9	6.3	54
52	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> , <b>2015</b> , 309, H935-45	5.2	9
51	Vitamine D : sources, m $\text{e}$ tabolisme et m $\text{e}$ canismes d'action. <i>Cahiers De Nutrition Et De Dietetique</i> , <b>2014</b> , 49, 245-251	0.2	1
50	Vitamin D protects against diet-induced obesity by enhancing fatty acid oxidation. <i>Journal of Nutritional Biochemistry</i> , <b>2014</b> , 25, 1077-83	6.3	79
49	Multivitamin restriction increases adiposity and disrupts glucose homeostasis in mice. <i>Genes and Nutrition</i> , <b>2014</b> , 9, 410	4.3	7
48	Vitamine D : sources, m $\text{e}$ tabolisme et m $\text{e}$ canismes d'action. <i>OCL - Oilseeds and Fats, Crops and Lipids</i> , <b>2014</b> , 21, D302	1.5	2
47	Ascorbic acid is a dose-dependent inhibitor of adipocyte differentiation, probably by reducing cAMP pool. <i>Frontiers in Cell and Developmental Biology</i> , <b>2014</b> , 2, 29	5.7	18
46	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> , <b>2014</b> , 8, 151	5.1	7
45	Visfatin is involved in TNF $\alpha$ -mediated insulin resistance via an NAD(+)/Sirt1/PTP1B pathway in 3T3-L1 adipocytes. <i>Adipocyte</i> , <b>2014</b> , 3, 180-9	3.2	16
44	Structure factor model for understanding the measured backscatter coefficients from concentrated cell pellet biophantoms. <i>Journal of the Acoustical Society of America</i> , <b>2014</b> , 135, 3620-31	2.2	22
43	Lycopene modulates THP1 and Caco2 cells inflammatory state through transcriptional and nontranscriptional processes. <i>Mediators of Inflammation</i> , <b>2014</b> , 2014, 507272	4.3	10
42	Muscle ectopic fat deposition contributes to anabolic resistance in obese sarcopenic old rats through eIF2 $\gamma$ activation. <i>Aging Cell</i> , <b>2014</b> , 13, 1001-11	9.9	102
41	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> , <b>2013</b> , 52, 1865-74	5.2	11
40	Bioeffects of a combination of trace elements on adipocyte biology. <i>Metallomics</i> , <b>2013</b> , 5, 524-31	4.5	6
39	Palmitoylation of TNF alpha is involved in the regulation of TNF receptor 1 signalling. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , <b>2013</b> , 1833, 602-12	4.9	29

38	Vitamin D, adipose tissue, and obesity. <i>Hormone Molecular Biology and Clinical Investigation</i> , <b>2013</b> , 15, 123-8	1.3	13
37	Resistance to cisplatin-induced cell death conferred by the activity of organic anion transporting polypeptides (OATP) in human melanoma cells. <i>Pigment Cell and Melanoma Research</i> , <b>2013</b> , 26, 592-6	4.5	6
36	Chemokine Expression in Inflamed Adipose Tissue Is Mainly Mediated by NF- $\kappa$ B. <i>PLoS ONE</i> , <b>2013</b> , 8, e66515	3.7	84
35	Vitamin D reduces the inflammatory response and restores glucose uptake in adipocytes. <i>Molecular Nutrition and Food Research</i> , <b>2012</b> , 56, 1771-82	5.9	94
34	TNF $\alpha$ gene knockout differentially affects lipid deposition in liver and skeletal muscle of high-fat-diet mice. <i>Journal of Nutritional Biochemistry</i> , <b>2012</b> , 23, 1685-93	6.3	26
33	Lipophilic micronutrients and adipose tissue biology. <i>Nutrients</i> , <b>2012</b> , 4, 1622-49	6.7	76
32	Lycopene attenuates LPS-induced TNF- $\beta$ secretion in macrophages and inflammatory markers in adipocytes exposed to macrophage-conditioned media. <i>Molecular Nutrition and Food Research</i> , <b>2012</b> , 56, 725-32	5.9	91
31	Effects of physicochemical properties of carotenoids on their bioaccessibility, intestinal cell uptake, and blood and tissue concentrations. <i>Molecular Nutrition and Food Research</i> , <b>2012</b> , 56, 1385-97	5.9	101
30	Modulation of miRNA expression by dietary polyphenols in apoE deficient mice: a new mechanism of the action of polyphenols. <i>PLoS ONE</i> , <b>2012</b> , 7, e29837	3.7	124
29	Apo-10'-lycopenoic acid impacts adipose tissue biology via the retinoic acid receptors. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , <b>2011</b> , 1811, 1105-14	5	51
28	Vitamine E et physiologie du tissu adipeux. <i>Oleagineux Corps Gras Lipides</i> , <b>2011</b> , 18, 83-87		1
27	Oleate-enriched diet improves insulin sensitivity and restores muscle protein synthesis in old rats. <i>Clinical Nutrition</i> , <b>2011</b> , 30, 799-806	5.9	35
26	CD36 is involved in lycopene and lutein uptake by adipocytes and adipose tissue cultures. <i>Molecular Nutrition and Food Research</i> , <b>2011</b> , 55, 578-84	5.9	68
25	Vitamin D intestinal absorption is not a simple passive diffusion: evidences for involvement of cholesterol transporters. <i>Molecular Nutrition and Food Research</i> , <b>2011</b> , 55, 691-702	5.9	122
24	Gene expression response of mouse lung, liver and white adipose tissue to $\beta$ -carotene supplementation, knockout of Bcmo1 and sex. <i>Molecular Nutrition and Food Research</i> , <b>2011</b> , 55, 1466-74	5.9	13
23	Lycopene inhibits proinflammatory cytokine and chemokine expression in adipose tissue. <i>Journal of Nutritional Biochemistry</i> , <b>2011</b> , 22, 642-8	6.3	103
22	Beta-carotene reduces body adiposity of mice via BCMO1. <i>PLoS ONE</i> , <b>2011</b> , 6, e20644	3.7	111
21	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> , <b>2010</b> , 21, 922-8	6.3	25

20	Vitamin E decreases endogenous cholesterol synthesis and apo-AI-mediated cholesterol secretion in Caco-2 cells. <i>Journal of Nutritional Biochemistry</i> , <b>2010</b> , 21, 1207-13	6.3	46
19	Adiponectin expression is induced by vitamin E via a peroxisome proliferator-activated receptor gamma-dependent mechanism. <i>Endocrinology</i> , <b>2009</b> , 150, 5318-25	4.8	96
18	ATP-binding cassette transporter A1 is significantly involved in the intestinal absorption of alpha- and gamma-tocopherol but not in that of retinyl palmitate in mice. <i>American Journal of Clinical Nutrition</i> , <b>2009</b> , 89, 177-84	7	62
17	Hepatic lipid metabolism response to dietary fatty acids is differently modulated by PPARalpha in male and female mice. <i>European Journal of Nutrition</i> , <b>2009</b> , 48, 465-73	5.2	29
16	beta-Carotene conversion products and their effects on adipose tissue. <i>Genes and Nutrition</i> , <b>2009</b> , 4, 179-87	4.3	54
15	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> , <b>2009</b> , 102, 537-45	3.6	8
14	Purified low-density lipoprotein and bovine serum albumin efficiency to internalise lycopene into adipocytes. <i>Food and Chemical Toxicology</i> , <b>2008</b> , 46, 3832-6	4.7	38
13	Comparison of different vehicles to study the effect of tocopherols on gene expression in intestinal cells. <i>Free Radical Research</i> , <b>2008</b> , 42, 523-30	4	33
12	Lycopene absorption in human intestinal cells and in mice involves scavenger receptor class B type I but not Niemann-Pick C1-like 1. <i>Journal of Nutrition</i> , <b>2008</b> , 138, 1432-6	4.1	97
11	NPC1L1 and SR-BI are involved in intestinal cholesterol absorption from small-size lipid donors. <i>Lipids</i> , <b>2008</b> , 43, 401-8	1.6	24
10	Phloretin enhances adipocyte differentiation and adiponectin expression in 3T3-L1 cells. <i>Biochemical and Biophysical Research Communications</i> , <b>2007</b> , 361, 208-13	3.4	81
9	The nuclear receptor for bile acids, FXR, transactivates human organic solute transporter-alpha and -beta genes. <i>American Journal of Physiology - Renal Physiology</i> , <b>2006</b> , 290, G476-85	5.1	163
8	Cholesterol dependent downregulation of mouse and human apical sodium dependent bile acid transporter (ASBT) gene expression: molecular mechanism and physiological consequences. <i>Gut</i> , <b>2006</b> , 55, 1321-31	19.2	30
7	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> , <b>2005</b> , 1735, 41-9	5	10
6	Statin induction of liver fatty acid-binding protein (L-FABP) gene expression is peroxisome proliferator-activated receptor-alpha-dependent. <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 45512-8	5.4	70
5	FXRE can function as an LXRE in the promoter of human ileal bile acid-binding protein (I-BABP) gene. <i>FEBS Letters</i> , <b>2003</b> , 553, 299-303	3.8	16
4	Regulation of the ileal bile acid-binding protein gene: An approach to determine its physiological function(s). <i>Molecular and Cellular Biochemistry</i> , <b>2002</b> , 239, 149-155	4.2	22
3	Sterol regulatory element-binding protein-1c is responsible for cholesterol regulation of ileal bile acid-binding protein gene in vivo. Possible involvement of liver-X-receptor. <i>Journal of Biological Chemistry</i> , <b>2002</b> , 277, 1324-31	5.4	25

2	Regulation of the ileal bile acid-binding protein gene: An approach to determine its physiological function(s) <b>2002</b> , 149-155		o
1	Regulation of the ileal bile acid-binding protein gene: an approach to determine its physiological function(s). <i>Molecular and Cellular Biochemistry</i> , <b>2002</b> , 239, 149-55	4.2	4