

Patrick Borel

List of Publications by Citations

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153
papers

7,850
citations

52
h-index

84
g-index

159
ext. papers

8,661
ext. citations

5.1
avg. IF

5.9
L-index

#	Paper	IF	Citations
153	Digestion and absorption of 2 fat emulsions with different droplet sizes in the human digestive tract. <i>American Journal of Clinical Nutrition</i> , 1999 , 70, 1096-106	7	364
152	Bioaccessibility of carotenoids and vitamin E from their main dietary sources. <i>Journal of Agricultural and Food Chemistry</i> , 2006 , 54, 8749-55	5.7	316
151	Lutein transport by Caco-2 TC-7 cells occurs partly by a facilitated process involving the scavenger receptor class B type I (SR-BI). <i>Biochemical Journal</i> , 2005 , 387, 455-61	3.8	207
150	Scavenger receptor class B type I (SR-BI) is involved in vitamin E transport across the enterocyte. <i>Journal of Biological Chemistry</i> , 2006 , 281, 4739-45	5.4	186
149	Processing of vegetable-borne carotenoids in the human stomach and duodenum. <i>American Journal of Physiology - Renal Physiology</i> , 2003 , 284, G913-23	5.1	172
148	Vitamin deficiencies in humans: can plant science help?. <i>Plant Cell</i> , 2012 , 24, 395-414	11.6	171
147	Effects of graded amounts (0-50 g) of dietary fat on postprandial lipemia and lipoproteins in normolipidemic adults. <i>American Journal of Clinical Nutrition</i> , 1998 , 67, 31-8	7	170
146	Influence of organic versus conventional agricultural practice on the antioxidant microconstituent content of tomatoes and derived purees; consequences on antioxidant plasma status in humans. <i>Journal of Agricultural and Food Chemistry</i> , 2004 , 52, 6503-9	5.7	168
145	Proteins involved in uptake, intracellular transport and basolateral secretion of fat-soluble vitamins and carotenoids by mammalian enterocytes. <i>Progress in Lipid Research</i> , 2011 , 50, 388-402	14.3	166
144	Main factors governing the transfer of carotenoids from emulsion lipid droplets to micelles. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2001 , 1533, 285-92	5	164
143	Factors affecting intestinal absorption of highly lipophilic food microconstituents (fat-soluble vitamins, carotenoids and phytosterols). <i>Clinical Chemistry and Laboratory Medicine</i> , 2003 , 41, 979-94	5.9	162
142	Effects of droplet size, triacylglycerol composition, and calcium on the hydrolysis of complex emulsions by pancreatic lipase: an in vitro study. <i>Journal of Nutritional Biochemistry</i> , 1992 , 3, 333-341	6.3	162
141	Effects of oat bran, rice bran, wheat fiber, and wheat germ on postprandial lipemia in healthy adults. <i>American Journal of Clinical Nutrition</i> , 1992 , 55, 81-8	7	159
140	Overview of carotenoid bioavailability determinants: From dietary factors to host genetic variations. <i>Trends in Food Science and Technology</i> , 2017 , 69, 270-280	15.3	136
139	Host-related factors explaining interindividual variability of carotenoid bioavailability and tissue concentrations in humans. <i>Molecular Nutrition and Food Research</i> , 2017 , 61, 1600685	5.9	129
138	Human plasma levels of vitamin E and carotenoids are associated with genetic polymorphisms in genes involved in lipid metabolism. <i>Journal of Nutrition</i> , 2007 , 137, 2653-9	4.1	124
137	Vitamin D intestinal absorption is not a simple passive diffusion: evidences for involvement of cholesterol transporters. <i>Molecular Nutrition and Food Research</i> , 2011 , 55, 691-702	5.9	122

136	Genetic variations involved in interindividual variability in carotenoid status. <i>Molecular Nutrition and Food Research</i> , 2012 , 56, 228-40	5.9	117
135	Butter differs from olive oil and sunflower oil in its effects on postprandial lipemia and triacylglycerol-rich lipoproteins after single mixed meals in healthy young men. <i>Journal of Nutrition</i> , 2002 , 132, 3642-9	4.1	116
134	Effect of type of TAG fatty acids on lutein and zeaxanthin bioavailability. <i>British Journal of Nutrition</i> , 2013 , 110, 1-10	3.6	104
133	Lycopene inhibits proinflammatory cytokine and chemokine expression in adipose tissue. <i>Journal of Nutritional Biochemistry</i> , 2011 , 22, 642-8	6.3	103
132	Effects of physicochemical properties of carotenoids on their bioaccessibility, intestinal cell uptake, and blood and tissue concentrations. <i>Molecular Nutrition and Food Research</i> , 2012 , 56, 1385-97	5.9	101
131	Influence of Obesity and Body Fat Distribution on Postprandial Lipemia and Triglyceride-Rich Lipoproteins in Adult Women. <i>Journal of Clinical Endocrinology and Metabolism</i> , 1999 , 84, 184-191	5.6	101
130	Vegetable-borne lutein, lycopene, and beta-carotene compete for incorporation into chylomicrons, with no adverse effect on the medium-term (3-wk) plasma status of carotenoids in humans. <i>American Journal of Clinical Nutrition</i> , 2002 , 75, 526-34	7	99
129	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> , 2008 , 138, 1432-6	4.1	97
128	Low and high responders to pharmacological doses of beta-carotene: proportion in the population, mechanisms involved and consequences on beta-carotene metabolism. <i>Journal of Lipid Research</i> , 1998 , 39, 2250-2260	6.3	97
127	Adiponectin expression is induced by vitamin E via a peroxisome proliferator-activated receptor gamma-dependent mechanism. <i>Endocrinology</i> , 2009 , 150, 5318-25	4.8	96
126	Simple method for clinical determination of 13 carotenoids in human plasma using an isocratic high-performance liquid chromatographic method. <i>Biomedical Applications</i> , 2001 , 751, 297-303		94
125	Chylomicron beta-carotene and retinyl palmitate responses are dramatically diminished when men ingest beta-carotene with medium-chain rather than long-chain triglycerides. <i>Journal of Nutrition</i> , 1998 , 128, 1361-7	4.1	94
124	Emulsification and lipolysis of triacylglycerols are altered by viscous soluble dietary fibres in acidic gastric medium in vitro. <i>Biochemical Journal</i> , 1996 , 314 (Pt 1), 269-75	3.8	92
123	Hydrolysis of emulsions with different triglycerides and droplet sizes by gastric lipase in vitro. Effect on pancreatic lipase activity. <i>Journal of Nutritional Biochemistry</i> , 1994 , 5, 124-133	6.3	90
122	Bioavailability of vitamin E in humans: an update. <i>Nutrition Reviews</i> , 2013 , 71, 319-31	6.4	89
121	Beta-cryptoxanthin from citrus juices: assessment of bioaccessibility using an in vitro digestion/Caco-2 cell culture model. <i>British Journal of Nutrition</i> , 2007 , 97, 883-90	3.6	87
120	CD36 and SR-BI are involved in cellular uptake of provitamin A carotenoids by Caco-2 and HEK cells, and some of their genetic variants are associated with plasma concentrations of these micronutrients in humans. <i>Journal of Nutrition</i> , 2013 , 143, 448-56	4.1	85
119	Low and high responders to pharmacological doses of beta-carotene: proportion in the population, mechanisms involved and consequences on beta-carotene metabolism. <i>Journal of Lipid Research</i> , 1998 , 39, 2250-60	6.3	82

118	Processing of vitamin A and E in the human gastrointestinal tract. <i>American Journal of Physiology - Renal Physiology</i> , 2001 , 280, G95-G103	5.1	76
117	Digestion and absorption of tube-feeding emulsions with different droplet sizes and compositions in the rat. <i>Journal of Parenteral and Enteral Nutrition</i> , 1994 , 18, 534-43	4.2	74
116	Effects of moderate amounts of emulsified dietary fat on postprandial lipemia and lipoproteins in normolipidemic adults. <i>American Journal of Clinical Nutrition</i> , 1994 , 60, 374-82	7	74
115	Genetic variants in BCMO1 and CD36 are associated with plasma lutein concentrations and macular pigment optical density in humans. <i>Annals of Medicine</i> , 2011 , 43, 47-59	1.5	73
114	Differential effect of dietary antioxidant classes (carotenoids, polyphenols, vitamins C and E) on lutein absorption. <i>British Journal of Nutrition</i> , 2007 , 97, 440-6	3.6	71
113	Viscous soluble dietary fibers alter emulsification and lipolysis of triacylglycerols in duodenal medium in vitro. <i>Journal of Nutritional Biochemistry</i> , 1996 , 7, 293-302	6.3	70
112	CD36 is involved in lycopene and lutein uptake by adipocytes and adipose tissue cultures. <i>Molecular Nutrition and Food Research</i> , 2011 , 55, 578-84	5.9	68
111	Pancreatic lipase and pancreatic lipase-related protein 2, but not pancreatic lipase-related protein 1, hydrolyze retinyl palmitate in physiological conditions. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2006 , 1761, 4-10	5	65
110	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> , 2009 , 89, 177-84	7	62
109	Obesity-associated Inflammation Induces microRNA-155 Expression in Adipocytes and Adipose Tissue: Outcome on Adipocyte Function. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2016 , 101, 1615-26	5.6	62
108	Lycopene bioavailability is associated with a combination of genetic variants. <i>Free Radical Biology and Medicine</i> , 2015 , 83, 238-44	7.8	60
107	Interindividual variability of lutein bioavailability in healthy men: characterization, genetic variants involved, and relation with fasting plasma lutein concentration. <i>American Journal of Clinical Nutrition</i> , 2014 , 100, 168-75	7	59
106	Wheat bran and wheat germ: effect on digestion and intestinal absorption of dietary lipids in the rat. <i>American Journal of Clinical Nutrition</i> , 1989 , 49, 1192-202	7	58
105	Enrichment of tomato paste with 6% tomato peel increases lycopene and beta-carotene bioavailability in men. <i>Journal of Nutrition</i> , 2005 , 135, 790-4	4.1	54
104	Effect of tomato product consumption on the plasma status of antioxidant microconstituents and on the plasma total antioxidant capacity in healthy subjects. <i>Journal of the American College of Nutrition</i> , 2004 , 23, 148-56	3.5	53
103	Interactions of β -lactoglobulin variants A and B with Vitamin A. Competitive binding of retinoids and carotenoids. <i>Journal of Agricultural and Food Chemistry</i> , 2013 , 61, 4114-9	5.7	52
102	Human fasting plasma concentrations of vitamin E and carotenoids, and their association with genetic variants in apo C-III, cholesteryl ester transfer protein, hepatic lipase, intestinal fatty acid binding protein and microsomal triacylglycerol transfer protein. <i>British Journal of Nutrition</i> , 2009 , 101, 680-7	3.6	52
101	Genetic Variations Associated with Vitamin A Status and Vitamin A Bioavailability. <i>Nutrients</i> , 2017 , 9,	6.7	49

100	Comparison of the postprandial chylomicron carotenoid responses in young and older subjects. <i>European Journal of Nutrition</i> , 2003 , 42, 315-23	5.2	49
99	Effect of the main dietary antioxidants (carotenoids, gamma-tocopherol, polyphenols, and vitamin C) on alpha-tocopherol absorption. <i>European Journal of Clinical Nutrition</i> , 2007 , 61, 1167-73	5.2	48
98	Effect of pectin, wheat bran and cellulose on serum lipids and lipoproteins in rats fed on a low- or high-fat diet. <i>British Journal of Nutrition</i> , 1987 , 58, 405-13	3.6	47
97	Bioavailability of Fat-Soluble Vitamins and Phytochemicals in Humans: Effects of Genetic Variation. <i>Annual Review of Nutrition</i> , 2018 , 38, 69-96	9.9	46
96	Vitamin E decreases endogenous cholesterol synthesis and apo-AI-mediated cholesterol secretion in Caco-2 cells. <i>Journal of Nutritional Biochemistry</i> , 2010 , 21, 1207-13	6.3	46
95	Effect of vitamin A status at the end of term pregnancy on the saturation of retinol binding protein with retinol. <i>American Journal of Clinical Nutrition</i> , 2000 , 71, 537-43	7	46
94	The proportion of lycopene isomers in human plasma is modulated by lycopene isomer profile in the meal but not by lycopene preparation. <i>British Journal of Nutrition</i> , 2012 , 107, 1482-8	3.6	45
93	A Combination of Single-Nucleotide Polymorphisms Is Associated with Interindividual Variability in Dietary β -Carotene Bioavailability in Healthy Men. <i>Journal of Nutrition</i> , 2015 , 145, 1740-7	4.1	44
92	rs5888 variant of SCARB1 gene is a possible susceptibility factor for age-related macular degeneration. <i>PLoS ONE</i> , 2009 , 4, e7341	3.7	44
91	Carotenoids, mostly the xanthophylls, exchange between plasma lipoproteins. <i>International Journal for Vitamin and Nutrition Research</i> , 2002 , 72, 300-8	1.7	44
90	In vitro and in vivo inhibition of beta-carotene dioxygenase activity by canthaxanthin in rat intestine. <i>Archives of Biochemistry and Biophysics</i> , 1997 , 348, 233-8	4.1	43
89	Rat intestinal beta-carotene dioxygenase activity is located primarily in the cytosol of mature jejunal enterocytes. <i>Journal of Nutrition</i> , 1996 , 126, 2550-6	4.1	43
88	Phytosterols can impair vitamin D intestinal absorption in vitro and in mice. <i>Molecular Nutrition and Food Research</i> , 2011 , 55 Suppl 2, S303-11	5.9	42
87	Are lutein, lycopene, and β -carotene lost through the digestive process?. <i>Food and Function</i> , 2017 , 8, 1494-1503	6.1	40
86	From carotenoid intake to carotenoid blood and tissue concentrations - implications for dietary intake recommendations. <i>Nutrition Reviews</i> , 2021 , 79, 544-573	6.4	40
85	Purified low-density lipoprotein and bovine serum albumin efficiency to internalise lycopene into adipocytes. <i>Food and Chemical Toxicology</i> , 2008 , 46, 3832-6	4.7	38
84	Phytosterol ester processing in the small intestine: impact on cholesterol availability for absorption and chylomicron cholesterol incorporation in healthy humans. <i>Journal of Lipid Research</i> , 2011 , 52, 1256-1264	6.3	37
83	Postprandial chylomicron and plasma vitamin E responses in healthy older subjects compared with younger ones. <i>European Journal of Clinical Investigation</i> , 1997 , 27, 812-21	4.6	37

82	Polymorphisms in the CD36/FAT gene are associated with plasma vitamin E concentrations in humans. <i>American Journal of Clinical Nutrition</i> , 2011 , 93, 644-51	7	36
81	β-Carotene in the human body: metabolic bioactivation pathways - from digestion to tissue distribution and excretion. <i>Proceedings of the Nutrition Society</i> , 2019 , 78, 68-87	2.9	36
80	The postprandial chylomicron triacylglycerol response to dietary fat in healthy male adults is significantly explained by a combination of single nucleotide polymorphisms in genes involved in triacylglycerol metabolism. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2014 , 99, E484-8	5.6	34
79	Short-term supplementation with lutein affects biomarkers of lutein status similarly in young and elderly subjects. <i>Experimental Gerontology</i> , 2003 , 38, 573-82	4.5	34
78	The distribution and relative hydrolysis of tocopheryl acetate in the different matrices coexisting in the lumen of the small intestine during digestion could explain its low bioavailability. <i>Molecular Nutrition and Food Research</i> , 2013 , 57, 1237-45	5.9	33
77	Comparison of different vehicles to study the effect of tocopherols on gene expression in intestinal cells. <i>Free Radical Research</i> , 2008 , 42, 523-30	4	33
76	Dietary calcium impairs tomato lycopene bioavailability in healthy humans. <i>British Journal of Nutrition</i> , 2016 , 116, 2091-2096	3.6	33
75	Comparison of the postprandial plasma vitamin A response in young and older adults. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 1998 , 53, B133-40	6.4	31
74	Isolation and properties of lipolysis inhibitory proteins from wheat germ and wheat bran. <i>Plant Foods for Human Nutrition</i> , 1989 , 39, 339-48	3.9	30
73	Negative effects of divalent mineral cations on the bioaccessibility of carotenoids from plant food matrices and related physical properties of gastro-intestinal fluids. <i>Food and Function</i> , 2017 , 8, 1008-1019	6.1	29
72	Effect of Nutrient and Micronutrient Intake on Chylomicron Production and Postprandial Lipemia. <i>Nutrients</i> , 2019 , 11,	6.7	28
71	Amounts and types of fatty acids in meals affect the pattern of retinoids secreted in human chylomicrons after a high-dose preformed vitamin A intake. <i>Metabolism: Clinical and Experimental</i> , 2003 , 52, 514-9	12.7	27
70	Magnesium affects spinach carotenoid bioaccessibility in vitro depending on intestinal bile and pancreatic enzyme concentrations. <i>Food Chemistry</i> , 2018 , 239, 751-759	8.5	26
69	Grapefruit juices impair the bioaccessibility of β-carotene from orange-fleshed sweet potato but not its intestinal uptake by Caco-2 cells. <i>Journal of Agricultural and Food Chemistry</i> , 2012 , 60, 685-91	5.7	26
68	Can genetic variability in β-tocopherol bioavailability explain the heterogeneous response to β-tocopherol supplements?. <i>Antioxidants and Redox Signaling</i> , 2015 , 22, 669-78	8.4	23
67	Beneficial effect of wheat germ on circulating lipoproteins and tissue lipids in rats fed a high fat, cholesterol-containing diet. <i>Journal of Nutrition</i> , 1987 , 117, 838-45	4.1	23
66	Gastric lipase: evidence of an adaptive response to dietary fat in the rabbit. <i>Gastroenterology</i> , 1991 , 100, 1582-9	13.3	22
65	Genetic Variations Involved in Vitamin E Status. <i>International Journal of Molecular Sciences</i> , 2016 , 17,	6.3	22

64	Long-term wheat germ intake beneficially affects plasma lipids and lipoproteins in hypercholesterolemic human subjects. <i>Journal of Nutrition</i> , 1992 , 122, 317-26	4.1	21
63	Phytoene and Phytofluene Isolated from a Tomato Extract are Readily Incorporated in Mixed Micelles and Absorbed by Caco-2 Cells, as Compared to Lycopene, and SR-BI is Involved in their Cellular Uptake. <i>Molecular Nutrition and Food Research</i> , 2018 , 62, e1800703	5.9	21
62	Iron-induced oxidation of (all-E)-β-carotene under model gastric conditions: kinetics, products, and mechanism. <i>Free Radical Biology and Medicine</i> , 2013 , 63, 195-206	7.8	20
61	Interlocking of β-carotene in beta-lactoglobulin aggregates produced under high pressure. <i>Food Chemistry</i> , 2013 , 139, 253-60	8.5	20
60	Inhibition of iron-induced lipid peroxidation by newly identified bacterial carotenoids in model gastric conditions: comparison with common carotenoids. <i>Food and Function</i> , 2013 , 4, 698-712	6.1	20
59	Effect of wheat bran and wheat germ on the intestinal uptake of oleic acid, monoolein, and cholesterol in the rat. <i>Journal of Nutritional Biochemistry</i> , 1990 , 1, 28-33	6.3	20
58	Comparison of the bioavailability and intestinal absorption sites of phytoene, phytofluene, lycopene and β-carotene. <i>Food Chemistry</i> , 2019 , 300, 125232	8.5	18
57	β-lactoglobulin as a vector for β-carotene food fortification. <i>Journal of Agricultural and Food Chemistry</i> , 2014 , 62, 5916-24	5.7	18
56	Vitamin A contained in the lipid droplets of rat liver stellate cells is substrate for acid retinyl ester hydrolase. <i>Lipids and Lipid Metabolism</i> , 1995 , 1259, 271-6		18
55	Adaptation of lingual lipase to dietary fat in rats. <i>Journal of Nutrition</i> , 1990 , 120, 1148-56	4.1	18
54	Form of phytosterols and food matrix in which they are incorporated modulate their incorporation into mixed micelles and impact cholesterol micellarization. <i>Molecular Nutrition and Food Research</i> , 2016 , 60, 749-59	5.9	17
53	Interactions between Carotenoids from Marine Bacteria and Other Micronutrients: Impact on Stability and Antioxidant Activity. <i>Marine Drugs</i> , 2015 , 13, 7020-39	6	17
52	Whey protein isolate modulates beta-carotene bioaccessibility depending on gastro-intestinal digestion conditions. <i>Food Chemistry</i> , 2019 , 291, 157-166	8.5	16
51	Cereal dietary fibers affect post-prandial lipoproteins in healthy human subjects. <i>Carbohydrate Polymers</i> , 1993 , 21, 189-194	10.3	15
50	Genetic variants in selenoprotein genes modulate biomarkers of selenium status in response to Brazil nut supplementation (the SU.BRA.NUT study). <i>Clinical Nutrition</i> , 2019 , 38, 539-548	5.9	15
49	Stability of bacterial carotenoids in the presence of iron in a model of the gastric compartment - comparison with dietary reference carotenoids. <i>Archives of Biochemistry and Biophysics</i> , 2015 , 572, 89-100	4.1	14
48	A Combination of Single-Nucleotide Polymorphisms Is Associated with Interindividual Variability in Cholecalciferol Bioavailability in Healthy Men. <i>Journal of Nutrition</i> , 2016 , 146, 2421-2428	4.1	14
47	Age-related changes in plasma lycopene concentrations, but not in vitamin E, are associated with fat mass. <i>British Journal of Nutrition</i> , 2000 , 84, 711-716	3.6	14

46	Effects of increasing levels of raw or defatted wheat germ on liver, feces and plasma lipids and lipoproteins in the rat. <i>Nutrition Research</i> , 1991 , 11, 907-916	4	14
45	Mechanistic aspects of carotenoid health benefits - where are we now?. <i>Nutrition Research Reviews</i> , 2021 , 34, 276-302	7	14
44	Oxidative stress status and antioxidant status are apparently not related to carotenoid status in healthy subjects. <i>Translational Research</i> , 1998 , 132, 61-6		13
43	Susceptibility to oxidation and physicochemical properties of LDL in insulin-dependent diabetics. <i>Atherosclerosis</i> , 1998 , 136, 405-7	3.1	13
42	Glycosyl carotenoids from marine spore-forming <i>Bacillus</i> sp. strains are readily bioaccessible and bioavailable. <i>Food Research International</i> , 2013 , 51, 914-923	7	12
41	Plasma lipid lowering effects of wheat germ in hypercholesterolemic subjects. <i>Plant Foods for Human Nutrition</i> , 1991 , 41, 135-50	3.9	12
40	Adaptation of gastric lipase in mini-pigs fed a high-fat diet. <i>Nutrition Research</i> , 1992 , 12, 489-499	4	12
39	Influence of soy and whey protein, gelatin and sodium caseinate on carotenoid bioaccessibility. <i>Food and Function</i> , 2020 , 11, 5446-5459	6.1	12
38	ABCB1 (P-glycoprotein) regulates vitamin D absorption and contributes to its transintestinal efflux. <i>FASEB Journal</i> , 2019 , 33, 2084-2094	0.9	12
37	Effects of the apple matrix on the postprandial bioavailability of flavan-3-ols and nutrigenomic response of apple polyphenols in minipigs challenged with a high fat meal. <i>Food and Function</i> , 2020 , 11, 5077-5090	6.1	11
36	SEPP1 polymorphisms modulate serum glucose and lipid response to Brazil nut supplementation. <i>European Journal of Nutrition</i> , 2018 , 57, 1873-1882	5.2	11
35	Comparison of the Micellar Incorporation and the Intestinal Cell Uptake of Cholecalciferol, 25-Hydroxycholecalciferol and 1- α -Hydroxycholecalciferol. <i>Nutrients</i> , 2017 , 9,	6.7	11
34	Impact of bariatric surgery on apolipoprotein C-III levels and lipoprotein distribution in obese human subjects. <i>Journal of Clinical Lipidology</i> , 2017 , 11, 495-506.e3	4.9	10
33	Phytosterol vehicles used in a functional product modify carotenoid/cholesterol bioaccessibility and uptake by Caco-2 cells. <i>Journal of Functional Foods</i> , 2020 , 68, 103920	5.1	9
32	Fasting plasma carotenoids concentrations in Crohn's and pancreatic cancer patients compared to control subjects. <i>International Journal for Vitamin and Nutrition Research</i> , 2009 , 79, 87-94	1.7	9
31	Mechanisms Governing the Transfer of Pure and Plant Matrix Carotenoids Toward Emulsified Triglycerides. <i>Molecular Nutrition and Food Research</i> , 2020 , 64, e1900911	5.9	7
30	Production of asymmetric oxidative metabolites of [^{13}C]- β -carotene during digestion in the gastrointestinal lumen of healthy men. <i>American Journal of Clinical Nutrition</i> , 2018 , 108, 803-813	7	7
29	Neonatal high protein intake enhances neonatal growth without significant adverse renal effects in spontaneous IUGR piglets. <i>Physiological Reports</i> , 2017 , 5, e13296	2.6	6

28	Valeur sant ^{des} carothoïdes. <i>Sciences Des Aliments</i> , 2001 , 21, 467-480		6
27	Opposite Effects of the Spinach Food Matrix on Lutein Bioaccessibility and Intestinal Uptake Lead to Unchanged Bioavailability Compared to Pure Lutein. <i>Molecular Nutrition and Food Research</i> , 2018 , 62, e1800185	5.9	5
26	Molecular interactions governing the incorporation of cholecalciferol and retinyl-palmitate in mixed taurocholate-lipid micelles. <i>Food Chemistry</i> , 2018 , 250, 221-229	8.5	5
25	Comparable reduction in cholesterol absorption after two different ways of phytosterol administration in humans. <i>European Journal of Nutrition</i> , 2013 , 52, 1215-22	5.2	5
24	Effect of the type of dietary triacylglycerol fatty acids on ßocopherol concentration in plasma and tissues of growing pigs. <i>Journal of Animal Science</i> , 2014 , 92, 4972-80	0.7	5
23	Genetic factors involved in the bioavailability of tomato carotenoids. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2018 , 21, 489-497	3.8	5
22	The Effect of an Iron Supplement on Lycopene Metabolism and Absorption During Digestion in Healthy Humans. <i>Molecular Nutrition and Food Research</i> , 2019 , 63, e1900644	5.9	4
21	A meta-analysis to assess the effect of the composition of dietary fat on ßocopherol blood and tissue concentration in pigs. <i>Journal of Animal Science</i> , 2015 , 93, 1177-86	0.7	4
20	Dietary fat modulates dl-ßocopheryl acetate (vitamin E) bioavailability in adult cockerels. <i>British Poultry Science</i> , 2015 , 56, 94-102	1.9	4
19	Dfinition des limites de flexibilit ^{des} apports en acides olfque, linolfque et alphalinolfque sur la lipidmie et les paramÈres d'èthothrombose chez l'homme : intff des huiles vgtales combinÈs. <i>Oleagineux Corps Gras Lipides</i> , 2002 , 9, 237-243		4
18	Bioavailability of Vitamin E 2018 , 1181-1196		3
17	Gïes et absorption intestinale des microconstituants lipidiques (vitamines liposolubles, carothoïdes et phytostfols). <i>Cahiers De Nutrition Et De Dietetique</i> , 2009 , 44, 124-131	0.2	2
16	A Combination of Single Nucleotide Polymorphisms is Associated with the Interindividual Variability of Cholesterol Bioavailability in Healthy Adult Males. <i>Molecular Nutrition and Food Research</i> , 2020 , 64, e2000480	5.9	2
15	Temperature and storage time increase provitamin A carotenoid concentrations and bioaccessibility in post-harvest carrots. <i>Food Chemistry</i> , 2021 , 338, 128004	8.5	2
14	The influence of nutrigenetics on biomarkers of selenium nutritional status. <i>Nutrition Reviews</i> , 2021 , 79, 1259-1273	6.4	2
13	Les matrices vgtales : leurs effets sur la biodisponibilit ^{des} carothoïdes. <i>Cahiers De Nutrition Et De Dietetique</i> , 2018 , 53, 114-122	0.2	1
12	Exploration du statut vitaminique A. <i>Cahiers De Nutrition Et De Dietetique</i> , 2012 , 47, 284-290	0.2	1
11	Nutrigenetic Effect on Intestinal Absorption of Fat-Soluble Microconstituents (Vitamins A, E, D and K, Carotenoids and Phytosterols) 2009 , 31-42		1

10	ŒŒes et absorption intestinale des microconstituants lipidiques (vitamines liposolubles, carothŒŒes et phytostŒŒols). <i>Oleagineux Corps Gras Lipides</i> , 2012 , 19, 209-215		1
9	Re: Beta-carotene: a miss for epidemiology. <i>Journal of the National Cancer Institute</i> , 2000 , 92, 1014-6	9.7	1
8	ŒCarotene 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> , 2021 , 65, e2100650	5.9	1
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