

christophe Moinard

List of Publications by Year in descending order

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Version: 2024-02-01

91
papers

2,784
citations

218592

26
h-index

182361

51
g-index

101
all docs

101
docs citations

101
times ranked

3461
citing authors

#	ARTICLE	IF	CITATIONS
1	Apc Tumor Suppressor Gene Is the "Zonation-Keeper" of Mouse Liver. <i>Developmental Cell</i> , 2006, 10, 759-770.	3.1	460
2	Polyamines: metabolism and implications in human diseases. <i>Clinical Nutrition</i> , 2005, 24, 184-197.	2.3	386
3	Dose-ranging effects of citrulline administration on plasma amino acids and hormonal patterns in healthy subjects: the Citrodose pharmacokinetic study. <i>British Journal of Nutrition</i> , 2008, 99, 855-862.	1.2	163
4	Citrulline: From metabolism to therapeutic use. <i>Nutrition</i> , 2013, 29, 479-484.	1.1	124
5	Citrulline and nitrogen homeostasis: an overview. <i>Amino Acids</i> , 2015, 47, 685-691.	1.2	113
6	The 2009 ESPEN Sir David Cuthbertson. Citrulline: A new major signaling molecule or just another player in the pharmaconutrition game?. <i>Clinical Nutrition</i> , 2010, 29, 545-551.	2.3	110
7	Citrulline: A New Player in the Control of Nitrogen Homeostasis. <i>Journal of Nutrition</i> , 2007, 137, 1621S-1625S.	1.3	100
8	Is the neutrophil reactive oxygen species production measured by luminol and lucigenin chemiluminescence intra or extracellular? Comparison with DCFH-DA flow cytometry and cytochrome c reduction. <i>Clinica Chimica Acta</i> , 2002, 319, 9-17.	0.5	99
9	Effects of leucine and citrulline versus non-essential amino acids on muscle protein synthesis in fasted rat: a common activation pathway?. <i>Amino Acids</i> , 2012, 43, 1171-1178.	1.2	50
10	Leucine and citrulline modulate muscle function in malnourished aged rats. <i>Amino Acids</i> , 2012, 42, 1425-1433.	1.2	50
11	Citrulline Supplementation Induces Changes in Body Composition and Limits Age-Related Metabolic Changes in Healthy Male Rats. <i>Journal of Nutrition</i> , 2015, 145, 1429-1437.	1.3	43
12	Arginine behaviour after arginine or citrulline administration in older subjects. <i>British Journal of Nutrition</i> , 2016, 115, 399-404.	1.2	41
13	TPL-2-Mediated Activation of MAPK Downstream of TLR4 Signaling Is Coupled to Arginine Availability. <i>Science Signaling</i> , 2010, 3, ra61.	1.6	40
14	Phagocyte functions in stressed rats: comparison of modulation by glutamine, arginine and ornithine 2-oxoglutarate. <i>Clinical Science</i> , 1999, 97, 59-65.	1.8	38
15	Involvement of glutamine, arginine, and polyamines in the action of ornithine α -ketoglutarate on macrophage functions in stressed rats. <i>Journal of Leukocyte Biology</i> , 2000, 67, 834-840.	1.5	38
16	Citrulline enhances myofibrillar constituents expression of skeletal muscle and induces a switch in muscle energy metabolism in malnourished aged rats. <i>Proteomics</i> , 2013, 13, 2191-2201.	1.3	36
17	Evidence that glutamine modulates respiratory burst in stressed rat polymorphonuclear cells through its metabolism into arginine. <i>British Journal of Nutrition</i> , 2002, 88, 689-695.	1.2	35
18	Decreased glutamate, glutamine and citrulline concentrations in plasma and muscle in endotoxemia cannot be reversed by glutamate or glutamine supplementation: a primary intestinal defect?. <i>Amino Acids</i> , 2012, 43, 1485-1498.	1.2	35

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19	Impairment of arginine metabolism in rats after massive intestinal resection: effect of parenteral nutrition supplemented with citrulline compared with arginine. <i>Clinical Science</i> , 2008, 115, 159-166.	1.8	34
20	Characterization of the alteration of nutritional state in brain injury induced by fluid percussion in rats. <i>Intensive Care Medicine</i> , 2005, 31, 281-288.	3.9	33
21	A central role for polyamines in microtubule assembly in cells. <i>Biochemical Journal</i> , 2010, 430, 151-159.	1.7	33
22	Induction of a Catabolic State in Rats by Dexamethasone: Dose or Time Dependency?. <i>Journal of Parenteral and Enteral Nutrition</i> , 2000, 24, 30-36.	1.3	31
23	Metabolic Response and Nutritional Support in Traumatic Brain Injury: Evidence for Resistance to Renutrition. <i>Journal of Neurotrauma</i> , 2009, 26, 1911-1920.	1.7	31
24	Overexpression of ornithine aminotransferase: consequences on amino acid homeostasis. <i>British Journal of Nutrition</i> , 2009, 101, 843-851.	1.2	30
25	Impairment of lymphocyte function in head-injured rats: Effects of standard and immune-enhancing diets for enteral nutrition. <i>Clinical Nutrition</i> , 2006, 25, 832-841.	2.3	29
26	Endotoxemia affects citrulline, arginine and glutamine bioavailability. <i>European Journal of Clinical Investigation</i> , 2012, 42, 282-289.	1.7	29
27	Citrulline directly modulates muscle protein synthesis via the PI3K/MAPK/4E-BP1 pathway in a malnourished state: evidence from in vivo, ex vivo, and in vitro studies. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2017, 312, E27-E36.	1.8	29
28	Citrulline stimulates muscle protein synthesis, by reallocating ATP consumption to muscle protein synthesis. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2019, 10, 919-928.	2.9	27
29	Interactions between ω -3 polyunsaturated fatty acids and arginine on nutritional and immunological aspects in severe inflammation. <i>Clinical Nutrition</i> , 2010, 29, 654-662.	2.3	25
30	Citrulline induces fatty acid release selectively in visceral adipose tissue from old rats. <i>Molecular Nutrition and Food Research</i> , 2014, 58, 1765-1775.	1.5	25
31	Effect of citrulline on muscle functions during moderate dietary restriction in healthy adult rats. <i>Amino Acids</i> , 2013, 45, 1123-1131.	1.2	24
32	Effects of ornithine 2-oxoglutarate on neutrophils in stressed rats: evidence for the involvement of nitric oxide and polyamines. <i>Clinical Science</i> , 2002, 102, 287-295.	1.8	23
33	Ornithine Transcarbamylase – From Structure to Metabolism: An Update. <i>Frontiers in Physiology</i> , 2021, 12, 748249.	1.3	21
34	Leucine and Citrulline: Two Major Regulators of Protein Turnover. <i>World Review of Nutrition and Dietetics</i> , 2013, 105, 97-105.	0.1	20
35	Effect of an immune-enhancing diet on lymphocyte in head-injured rats: What is the role of arginine?. <i>Intensive Care Medicine</i> , 2007, 33, 1076-1084.	3.9	19
36	Arginine and glutamine availability and macrophage functions in the obese insulin-resistant Zucker Rat. <i>Journal of Cellular Physiology</i> , 2005, 202, 153-159.	2.0	18

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37	L-Citrulline Supports Vascular and Muscular Benefits of Exercise Training in Older Adults. <i>Exercise and Sport Sciences Reviews</i> , 2020, 48, 133-139.	1.6	17
38	Citrulline reduces glyceroneogenesis and induces fatty acid release in visceral adipose tissue from overweight rats. <i>Molecular Nutrition and Food Research</i> , 2014, 58, 2320-2330.	1.5	16
39	Citrulline prevents age-related LTP decline in old rats. <i>Scientific Reports</i> , 2019, 9, 20138.	1.6	16
40	Sex-differential expression of ornithine aminotransferase in the mouse kidney. <i>American Journal of Physiology - Renal Physiology</i> , 2007, 292, F1016-F1027.	1.3	15
41	Evidence for Impairment of Hepatic Energy Homeostasis in Head-Injured Rat. <i>Journal of Neurotrauma</i> , 2008, 25, 124-129.	1.7	15
42	Synergistic effects of citrulline supplementation and exercise on performance in male rats: evidence for implication of protein and energy metabolisms. <i>Clinical Science</i> , 2017, 131, 775-790.	1.8	15
43	Citrulline diet supplementation improves specific age-related raft changes in wild-type rodent hippocampus. <i>Age</i> , 2013, 35, 1589-606.	3.0	14
44	Combining citrulline with atorvastatin preserves glucose homeostasis in a murine model of diet-induced obesity. <i>British Journal of Pharmacology</i> , 2015, 172, 4996-5008.	2.7	14
45	Arginine-enriched diet limits plasma and muscle glutamine depletion in head-injured rats. <i>Nutrition</i> , 2006, 22, 1039-1044.	1.1	13
46	Effects of ornithine \pm ketoglutarate on protein metabolism in Yoshida sarcoma-bearing rats. <i>Clinical Nutrition</i> , 2007, 26, 624-630.	2.3	13
47	Effects of ornithine 2-oxoglutarate on neutrophils in stressed rats: evidence for the involvement of nitric oxide and polyamines. <i>Clinical Science</i> , 2002, 102, 287.	1.8	12
48	Head injury profoundly affects gut microbiota homeostasis: Results of a pilot study. <i>Nutrition</i> , 2018, 45, 104-107.	1.1	12
49	L-Arginine plus atorvastatin for prevention of atheroma formation in genetically hypercholesterolaemic rabbits. <i>British Journal of Nutrition</i> , 2007, 97, 1083-1089.	1.2	10
50	In Vivo Bioluminescent Imaging of a New Model of Infectious Complications in Head-Injury Rats. <i>Journal of Neurotrauma</i> , 2012, 29, 335-342.	1.7	10
51	If the soup tastes bad, it doesn't mean the potatoes are the culprit. <i>Critical Care Medicine</i> , 2012, 40, 2540-2541.	0.4	9
52	Adaptative response of nitrogen metabolism in early endotoxemia: role of ornithine aminotransferase. <i>Amino Acids</i> , 2010, 39, 1417-1426.	1.2	8
53	Regulation of the proteome by amino acids. <i>Proteomics</i> , 2016, 16, 831-846.	1.3	8
54	Amino acids and sport: a true love story?. <i>Amino Acids</i> , 2018, 50, 969-980.	1.2	8

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55	Dose-dependent beneficial effects of citrulline supplementation in short bowel syndrome in rats. <i>Nutrition</i> , 2021, 85, 111118.	1.1	7
56	Ornithine $\hat{\pm}$ -ketoglutarate supplementation influences motor activity in healthy rats. <i>Clinical Nutrition</i> , 2004, 23, 485-490.	2.3	6
57	Evidence for a role of the ileum in the control of nitrogen homeostasis via the regulation of arginine metabolism. <i>British Journal of Nutrition</i> , 2011, 106, 227-236.	1.2	6
58	Arginine reduces bacterial invasion in rats with head injury. <i>Critical Care Medicine</i> , 2012, 40, 278-280.	0.4	6
59	An Oligomeric Diet Limits the Response to Injury in Traumatic Brain-Injured Rats. <i>Journal of Neurotrauma</i> , 2013, 30, 975-980.	1.7	6
60	Evaluation of a new concept of immune-enhancing diet in a model of head-injured rat with infectious complications: A proof of concept study. <i>Clinical Nutrition</i> , 2016, 35, 1291-1300.	2.3	6
61	Citrulline stimulates locomotor activity in aged rats: Implication of the dopaminergic pathway. <i>Nutrition</i> , 2017, 38, 9-12.	1.1	6
62	Direct or indirect regulation of muscle protein synthesis by energy status?. <i>Clinical Nutrition</i> , 2021, 40, 1893-1896.	2.3	6
63	Nitric oxide production by peritoneal macrophages from aged rats: A short term and direct modulation by citrulline. <i>Biochimie</i> , 2017, 133, 66-73.	1.3	5
64	Citrulline protects human retinal pigment epithelium from hydrogen peroxide and iron/ascorbate induced damages. <i>Journal of Cellular and Molecular Medicine</i> , 2022, 26, 2808-2818.	1.6	5
65	Consequences of treatment with dexamethasone in rats on the susceptibility of total plasma and isolated lipoprotein fractions to copper oxidation. <i>Endocrine</i> , 1999, 10, 233-242.	2.2	4
66	Does the ornithine $\hat{\pm}$ -ketoglutarate ratio influence ornithine $\hat{\pm}$ -ketoglutarate metabolism in healthy rats?. <i>Metabolism: Clinical and Experimental</i> , 2007, 56, 105-114.	1.5	4
67	Pretreatment of starved rats with ornithine $\hat{\pm}$ -ketoglutarate: effects on hepatic mRNA levels and plasma concentrations of three liver-secreted proteins. <i>Nutrition</i> , 2005, 21, 732-739.	1.1	3
68	Modulation of muscle protein synthesis by amino acids: what consequences for the secretome? A preliminary in vitro study. <i>Amino Acids</i> , 2019, 51, 1681-1688.	1.2	3
69	Citrulline and Skeletal Muscle. , 2019, , 329-334.		3
70	An in vitro explant model for studies of intestinal amino acid metabolism. <i>Clinical Nutrition Experimental</i> , 2020, 29, 1-9.	2.0	3
71	Effects of ornithine 2-oxoglutarate on neutrophils in stressed rats: evidence for the involvement of nitric oxide and polyamines. <i>Clinical Science</i> , 2002, 102, 287-95.	1.8	3
72	Regulation of citrulline synthesis in human enterocytes: Role of hypoxia and inflammation. <i>BioFactors</i> , 2022, 48, 181-189.	2.6	3

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73	Le temps des acides aminés est-il revenu? Nutrition Clinique Et Metabolisme, 2008, 22, 135-141.	0.2	2
74	Development of a specific index to detect malnutrition in athletes: Validity in weight class or intermittent fasted athletes. Biochimie Open, 2017, 4, 1-7.	3.2	2
75	l-Arginine Metabolism Impairment in Sepsis and Diseases: Causes and Consequences. , 2017, , 145-158.		2
76	Dietary citrulline does not modify rat colon tumor response to chemotherapy, but failed to improve nutritional status. Clinical Nutrition, 2021, 40, 4560-4568.	2.3	2
77	Citrulline directly modulates muscle protein synthesis: evidence from in vitro study. FASEB Journal, 2008, 22, 869.24.	0.2	2
78	Immunomodulation par les nutriments. Nutrition Clinique Et Metabolisme, 2006, 20, 79-84.	0.2	1
79	Consequences of head injury and static cold storage on hepatic function: ex vivo experiments using a model of isolated perfused rat liver. Metabolism: Clinical and Experimental, 2009, 58, 1550-1556.	1.5	1
80	La l-citrulline, un nouveau candidat dans la prise en charge du sujet âgé nutritionnel. Cahiers De Nutrition Et De Dietetique, 2014, 49, 44-48.	0.2	1
81	Head Injury: Metabolic, Nutritional, and Energy Considerations. , 2011, , 1585-1599.		1
82	Control of nitrogen homeostasis: intestinal arginine metabolism regulation according to protein supply.. FASEB Journal, 2007, 21, A1076.	0.2	1
83	Long-term effect of citrulline supplementation in healthy aged rats: effect on body composition. FASEB Journal, 2010, 24, I370.	0.2	1
84	SUN-P279: Modulation of Muscle Protein Synthesis by Amino Acids: Consequences on the Secretome – A Preliminary in Vitro Study. Clinical Nutrition, 2017, 36, S157.	2.3	0
85	OR07: Hypoxia Increase Citrulline Production by Human Enterocytes: An in Vitro Study. Clinical Nutrition, 2017, 36, S3-S4.	2.3	0
86	La citrulline : un allié de choix dans la prise en charge thérapeutique ?. Medecine Des Maladies Metaboliques, 2019, 13, 324-327.	0.1	0
87	Effects of L-arginine/citrulline-simvastatin (SIM) association on nitric oxide production in endothelial cells. FASEB Journal, 2006, 20, A148.	0.2	0
88	Differentiation of the effects of arginine and w3 polyunsaturated fatty acids in an immune-enhancing diet (IED).. FASEB Journal, 2007, 21, A377.	0.2	0
89	Citrulline modulates muscle protein synthesis via S6R and P70S6kinase1 activation in old malnourished rats. FASEB Journal, 2008, 22, .	0.2	0
90	The level of nitrogen supply modulates the expression of arginine metabolizing enzymes in Caco-2/TC7 intestinal cells.. FASEB Journal, 2008, 22, 312.3.	0.2	0

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91	Changes in raft hippocampus in aged rats supplemented with citrulline. FASEB Journal, 2010, 24, 1b368.	0.2	0