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Glutamine metabolism in lymphocytes: its biochemical, physiological and clinical importance

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388	Metabolism of glucose, glutamine, long-chain fatty acids and ketone bodies by murine macrophages. <b>1986</b> , 239, 121-5		319
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386	The regulation of glutamine and ketone-body metabolism in the small intestine of the long-term (40-day) streptozotocin-diabetic rat. <b>1987</b> , 242, 61-8		23
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383	Maximum activities of some key enzymes of glycolysis, glutaminolysis, Krebs cycle and fatty acid utilization in bovine pulmonary endothelial cells. <b>1987</b> , 225, 93-6		61
382	Maximal activities of glutaminase and some enzymes of glycolysis and ketone body utilization and rates of utilization of glutamine, glucose and ketone bodies by intestinal mucosa after burn injury. <b>1987</b> , 13, 438-44		13
381	Glutamine and glucose metabolism in human peripheral lymphocytes. 1988, 37, 99-103		122
380	Glucose, glutamine, and ketone-body metabolism in human enterocytes. <b>1988</b> , 37, 602-9		44
379	Glutamine and ketone-body metabolism in the small intestine of starved peak-lactating rats. <b>1988</b> , 70, 749-55		3
378	Glutamine and ketone-body metabolism in the gut of streptozotocin-diabetic rats. <b>1988</b> , 249, 565-72		22
377	Relationship between glutamine concentration and protein synthesis in rat skeletal muscle. <b>1988</b> , 255, E166-72		35
376	Enzymes of glutamine metabolism in inflammation associated with skeletal muscle hypertrophy. <b>1989</b> , 257, E885-94		9
375	Adaptation to High Protein Intakes, with Particular Reference to Formula Feeding and the Healthy, Term Infant. <b>1989</b> , 119, 1799-1809		10
374	Adaptation to high protein intakes, with particular reference to formula feeding and the healthy, term infant. <b>1989</b> , 119, 1799-809		1

373	Peptides in human nutrition. <b>1989</b> , 2, 87-108	53
372	Human amino acid and protein requirements: current dilemmas and uncertainties. <b>1989</b> , 2, 109-32	57
371	Development of a noninvasive ultramicrofluorometric method for measuring net uptake of glutamine by single preimplantation mouse embryos. <b>1989</b> , 24, 427-38	42
370	Formation of ketone bodies by resting lymphocytes. <b>1989</b> , 21, 1133-6	26
369	Transient kinetics of hybridoma growth and monoclonal antibody production in serum-limited cultures. <b>1989</b> , 33, 984-90	47
368	Does glutamine regulate skeletal muscle protein turnover?. <b>1989</b> , 14, 1-2	29
367	Nutrition and the Metabolic Response to Injury. <b>1989</b> , 333, 995-997	2
366	Nutritional aspects of the growth of animal cells in culture. <b>1989</b> , 12, 97-110	79
365	Muscle glutamine concentration and protein turnover in vivo in malnutrition and in endotoxemia. <b>1989</b> , 38, 6-13	46
364	Intestinal glutamine metabolism. <b>1989</b> , 38, 18-24	38
364	Intestinal glutamine metabolism. <b>1989</b> , 38, 18-24  Regulation of leucine transport and oxidation in peripheral human lymphocytes by glutamine. <b>1989</b> , 38, 56-8	38 4
	Regulation of leucine transport and oxidation in peripheral human lymphocytes by glutamine. <b>1989</b>	
363	Regulation of leucine transport and oxidation in peripheral human lymphocytes by glutamine. <b>1989</b> , 38, 56-8	4
363 362	Regulation of leucine transport and oxidation in peripheral human lymphocytes by glutamine. 1989, 38, 56-8  Adaptation to Low Protein and Energy Intakes. 1989, 48, 20-30  Effect of recombinant human tumour necrosis factor alpha on protein synthesis in liver, skeletal	32
363 362 361	Regulation of leucine transport and oxidation in peripheral human lymphocytes by glutamine. 1989, 38, 56-8  Adaptation to Low Protein and Energy Intakes. 1989, 48, 20-30  Effect of recombinant human tumour necrosis factor alpha on protein synthesis in liver, skeletal muscle and skin of rats. 1989, 258, 493-7  Rates of utilization of glucose, glutamine and oleate and formation of end-products by mouse	4 32 96
363 362 361 360	Regulation of leucine transport and oxidation in peripheral human lymphocytes by glutamine. 1989, 38, 56-8  Adaptation to Low Protein and Energy Intakes. 1989, 48, 20-30  Effect of recombinant human tumour necrosis factor alpha on protein synthesis in liver, skeletal muscle and skin of rats. 1989, 258, 493-7  Rates of utilization of glucose, glutamine and oleate and formation of end-products by mouse peritoneal macrophages in culture. 1989, 261, 211-8  The effect of glutamine concentration on the activity of carbamoyl-phosphate synthase II and on the incorporation of [3H]thymidine into DNA in rat mesenteric lymphocytes stimulated by	4 32 96 188
363 362 361 360	Regulation of leucine transport and oxidation in peripheral human lymphocytes by glutamine. 1989, 38, 56-8  Adaptation to Low Protein and Energy Intakes. 1989, 48, 20-30  Effect of recombinant human tumour necrosis factor alpha on protein synthesis in liver, skeletal muscle and skin of rats. 1989, 258, 493-7  Rates of utilization of glucose, glutamine and oleate and formation of end-products by mouse peritoneal macrophages in culture. 1989, 261, 211-8  The effect of glutamine concentration on the activity of carbamoyl-phosphate synthase II and on the incorporation of [3H]thymidine into DNA in rat mesenteric lymphocytes stimulated by phytohaemagglutinin. 1989, 261, 979-83  Mechanisms and nutritional significance of metabolic responses to altered intakes of protein and	4 32 96 188 72

355	Comparison between transport and degradation of leucine and glutamine by peripheral human lymphocytes exposed to concanavalin A. <b>1990</b> , 143, 94-9	24
354	Characterization of glutamine transport into resting and concanavalin A-stimulated peripheral human lymphocytes. <b>1990</b> , 145, 155-61	13
353	Effect of mitogens on the maximum activities of hexokinase, lactate dehydrogenase, citrate synthase and glutaminase in rat mesenteric lymph node lymphocytes and splenocytes during the early period of culture. <b>1990</b> , 22, 133-6	18
352	Dietary protein and nitrogen balance in lactating and nonlactating women. <b>1990</b> , 51, 378-84	18
351	Properties of glutamine release from muscle and its importance for the immune system. <b>1990</b> , 14, 63S-67S	148
350	Clinical biochemistry: implications for nutritional support. <b>1990</b> , 14, 148S-156S	7
349	Glutamine nutrition: theoretical considerations and therapeutic impact. <b>1990</b> , 14, 237S-243S	70
348	Nutrition and cytokine action. <b>1990</b> , 3, 193-210	86
347	Metabolic basis for selecting glutamine-containing substrates for parenteral nutrition. <b>1990</b> , 14, 114S-117S	21
346	Glutamine metabolism and its physiologic importance. <b>1990</b> , 14, 40S-44S	118
345	Glutamine nutrition and requirements. <b>1990</b> , 14, 94S-99S	120
344	Alpha-ketoglutarate and postoperative muscle catabolism. <b>1990</b> , 335, 701-3	101
343	Does glutamine contribute to immunosuppression after major burns?. <b>1990</b> , 336, 523-5	295
342	Metabolic control logic applied to glutamine flux between muscle and the immune system. <b>1990</b> , 9, 113-114	4
341	The role of glutamine in maintaining a healthy gut and supporting the metabolic response to injury and infection. <b>1990</b> , 48, 383-91	299
340	Oral glutamine reduces bacterial translocation following abdominal radiation. <b>1990</b> , 48, 1-5	170
339	Effects of physiological and pathological levels of glucocorticoids on skeletal muscle glutamine metabolism in the rat. <b>1990</b> , 40, 1145-8	29
338	Determination of metabolite and nucleotide concentrations in proliferating lymphocytes by 1H-NMR of acid extracts. <b>1990</b> , 1054, 181-97	72

337	Role of membrane transport in the regulation of skeletal muscle glutamine turnover. <b>1991</b> , 10 Suppl, 33-42	6
336	Glutamine-dependence of rat enterocyte functions as assessed in cell cultures. <b>1991</b> , 10, 125-127	7
335	Metabolism of glucose, glutamine, long-chain fatty acids and ketone bodies by lungs of the rat. <b>1991</b> , 73, 557-62	8
334	Effects of corticosteroid on the transport and metabolism of glutamine in rat skeletal muscle. <b>1991</b> , 1092, 376-83	25
333	Postoperative artificial nutrition support of the urological patient. <b>1991</b> , 145, 1125-33	
332	The effect of time of addition of glutamine or nucleosides on proliferation of rat cervical lymph-node T-lymphocytes after stimulation by concanavalin A. <b>1991</b> , 278 ( Pt 2), 471-4	15
331	Effects of changes in cell volume on the rates of glutamine and alanine release from rat skeletal muscle in vitro. <b>1991</b> , 276 ( Pt 2), 559-61	22
330	Amino acids in surgical nutrition. Principles and practice. <b>1991</b> , 71, 459-76	20
329	Effect of B- and T-cell mitogens on the maximum activities of hexokinase, lactate dehydrogenase, citrate synthase and glutaminase in bone marrow cells and thymocytes of the rat during four hours of culture. <b>1991</b> , 23, 823-6	6
328	The effect of tumour bearing on skeletal muscle glutamine metabolism. <b>1991</b> , 23, 933-7	32
327	Effects of dexamethasone on glutamine metabolism in the isolated vascularly perfused rat small intestine. <b>1991</b> , 191, 349-57	7
326	Tumor regulation of hepatic glutamine metabolism. <b>1991</b> , 15, 159-64	35
325	Nutrition in old age: an update and questions for future research: Part 2. <b>1991</b> , 1, 231-240	1
324	The dipeptide alanyl-glutamine prevents intestinal mucosal atrophy in parenterally fed rats. <b>1992</b> , 16, 110-6	59
323	Physical and mental fatigue: metabolic mechanisms and importance of plasma amino acids. <b>1992</b> , 48, 477-95	115
322	The inhibition of lymphocyte blastogenesis by asparaginase: critical role of glutamine in both T and B lymphocyte transformation. <b>1992</b> , 34, 579-83	9
321	Enhanced glutamine and glucose metabolism in cultured rat splenocytes stimulated by phorbol myristate acetate plus ionomycin. <b>1992</b> , 41, 982-8	28
320	Cysteine and glycine supplementation modulate the metabolic response to tumor necrosis factor alpha in rats fed a low protein diet. <b>1992</b> , 122, 2066-73	80

The Overtraining Syndrome: Some Biochemical Aspects. **1992**, 37, 281-287

318	The metabolic effects of thermal injury. <b>1992</b> , 16, 68-79	105
317	Advances in nutrition in the critically ill. <b>1992</b> , 6, 213-252	1
316	Effects of anaesthesia and surgery on the immune response. <b>1992</b> , 36, 201-20	252
315	Glutamine and glutamate metabolism in normal and heat shock conditions in Drosophila Kc cells: conditions supporting glutamine synthesis maximize heat shock polypeptide expression. <b>1992</b> , 150, 620-31	10
314	Exogenous glutamine requirement is confined to late events of T cell activation. <b>1993</b> , 53, 343-51	66
313	Metabolic changes in activated T cells: an NMR study of human peripheral blood lymphocytes. <b>1993</b> , 29, 317-26	95
312	Developments in cellular microcalorimetry with particular emphasis on the valuable role of the energy (enthalpy) balance method. <b>1993</b> , 219, 17-41	26
311	Effect of dietary supplementation with glutamic acid or glutamine on the splanchnic and muscle metabolism of glucogenic amino acids in the rat. <b>1993</b> , 4, 222-228	24
310	Dexamethasone stimulation of glutaminase expression in mesenteric lymph nodes. <b>1993</b> , 165, 34-9	10
309	Rapid determination of glutamine in biological samples by high-performance liquid chromatography. <b>1993</b> , 218, 159-68	10
308	Glutamine peptide-supplemented long-term total parenteral nutrition: effects on intracellular and extracellular amino acid patterns, nitrogen economy, and tissue morphology in growing rats. <b>1993</b> , 17, 566-74	19
307	The effects of growth hormone and insulin-like growth factors I and II on glutamine metabolism by skeletal muscle of the rat in vitro. <b>1993</b> , 25, 243-5	10
306	Essential and conditionally-essential nutrients in clinical nutrition. <b>1993</b> , 6, 97-119	25
305	Effect of glutamine-supplemented intravenous nutrition on survival after Escherichia coli-induced peritonitis. <b>1993</b> , 17, 41-6	48
304	The regulatory, informational, and immunomodulatory roles of fat fuels. <b>1993</b> , 57, 738S-750S; discussion 750S-751S	25
303	Nutrition and Infection. <b>1994</b> , 74, 659-676	90
302	Supplemental alanylglutamine, organ growth, and nitrogen metabolism in neonatal pigs fed by total parenteral nutrition. <b>1994</b> , 18, 313-9	14

301	Source and amount of dietary nonspecific nitrogen in relation to whole-body leucine, phenylalanine, and tyrosine kinetics in young men. <b>1994</b> , 59, 1347-55	19
300	Harry M. Vars Research Award. Glutamine enhances immunoregulation of tumor growth. <b>1994</b> , 18, 471-6	61
299	Glutamine kinetics in burn patients. Comparison with hormonally induced stress in volunteers. <b>1994</b> , 129, 1318-23	55
298	Increased ratio between anaerobic and aerobic metabolism in lymphocytes from hyperthyroid patients. <b>1994</b> , 130, 276-80	10
297	Effects of phenylacetate on cells from patients with B-chronic lymphocytic leukemia. <b>1994</b> , 14, 145-9	7
296	Malnutrition and the immune response. 2. Impact of nutrients on cytokine biology in infection. <b>1994</b> , 88, 615-9	35
295	The role of glutamine in the immune system and in intestinal function in catabolic states. <i>Amino Acids</i> , <b>1994</b> , 7, 231-43	28
294	The influence of amino acids on mitogen-activated proliferation of human lymphocytes in vitro. <b>1994</b> , 16, 865-72	14
293	Glutamine requirements in the generation of lymphokine-activated killer cells. <b>1994</b> , 13, 42-9	29
292	Nutritional support in critically ill patients. <i>Annals of Surgery</i> , <b>1994</b> , 220, 610-6	28
291	The effect of organic acids on phytohaemagglutinin-activated proliferation of human lymphocytes in vitro. <b>1995</b> , 17, 175-82	5
290	The effects of cell number, concentrations of mitogen and glutamine and time of culture on [3H]thymidine incorporation into cervical lymph node lymphocytes stimulated by concanavalin-A.  **Immunology Letters, 1995, 45, 167-71**	1
289	A thermochemical study of metabolic pathways in activated and triggered 2C11🛭 2 mouse macrophage hybridoma cells. <b>1995</b> , 250, 259-276	18
288	Hormonal control of hepatic glutaminase. <b>1995</b> , 35, 131-46	28
287	The importance of glutamine in nutrition of the immune system. <b>1995</b> , 14, 129-130	2
286	Topical glutamine therapy in experimental inflammatory bowel disease. <b>1995</b> , 14, 283-7	12
285	Effects of the amino acid glutamine on frequency of chromosomal aberrations induced by gamma radiation in Wistar rats. <b>1996</b> , 370, 121-6	5
284	Muscle mass, survival, and the elderly ICU patient. <b>1996</b> , 12, 456-8	68

283	Glutamine deficiency as a cause of human immunodeficiency virus wasting. 1996, 46, 252-6	28
282	Prevention of diabetes in the spontaneously diabetic BB rat by the glutamine antimetabolite acivicin. <b>1996</b> , 74, 163-172	6
281	Enteral glutamine supplementation for the very low birthweight infant: plasma amino acid concentrations. <b>1996</b> , 126, 1115S-20S	37
280	Enteral glutamate is almost completely metabolized in first pass by the gastrointestinal tract of infant pigs. <b>1996</b> , 270, E413-8	56
279	Nutrition and the immune system. <b>1996</b> , 7, 359-69	8
278	Chapter 11 Heat dissipation and metabolism in isolated mammalian cells. <b>1996</b> , 4, 303-330	4
277	Some aspects of the acute phase response after a marathon race, and the effects of glutamine supplementation. <b>1997</b> , 75, 47-53	142
276	Some thoughts on the importance of insulin in the regulation of the blood glucose level. <b>1996</b> , 52, 421-5	9
275	The possible role of glutamine in some cells of the immune system and the possible consequence for the whole animal. <b>1996</b> , 52, 455-9	25
274	Glutamine and intestinal immune cells in humans. <b>1997</b> , 21, 310-5	27
273	Plasma amino acid concentrations in elderly patients with protein energy malnutrition. <b>1997</b> , 26, 457-62	33
272	Increased whole-body protein and glutamine turnover in advanced cancer is not matched by an increased muscle protein and glutamine turnover. <b>1997</b> , 68, 44-55	21
271	Increased glutamine consumption in small intestine epithelial cells during sepsis in rats. <b>1997</b> , 173, 199-205	21
270	In vivo inter-organ protein metabolism of the splanchnic region and muscle during trauma, cancer and enteral nutrition. <b>1997</b> , 11, 659-77	18
269	Immunonutrition. <b>1997</b> , 11, 709-38	18
268	Enteral glutamine supplementation for very low birth weight infants decreases morbidity. <b>1997</b> , 131, 691-9	207
267	Effect of glutamine on acute lung injury in rats with endotoxemia. <b>1997</b> , 16, 79-83	11
266	Managing Bacterial Colonization and Infection. <b>1997</b> , 13, 565-574	27

265	Enteral branched-chain amino acids increase the specific activity of jejunal glutaminase and reduce jejunal atrophy. <b>1997</b> , 12, 429-33	5
264	Six-month outcome of critically ill patients given glutamine-supplemented parenteral nutrition. <b>1997</b> , 13, 295-302	34
263	The proposed role of glutamine in some cells of the immune system and speculative consequences for the whole animal. <b>1997</b> , 13, 728-30	117
262	Glutamine dipeptides in clinical nutrition. <b>1997</b> , 13, 731-7	115
261	The effects of oral glutamine supplementation on athletes after prolonged, exhaustive exercise. <b>1997</b> , 13, 738-42	101
260	Outcome of critically ill patients after supplementation with glutamine. <b>1997</b> , 13, 752-4	32
259	Characterization of glutamine synthetase transcript, protein, and enzyme activity in the human placenta. <b>1997</b> , 18, 541-5	11
258	Excess glutamine exacerbates trinitrobenzenesulfonic acid-induced colitis in rats. <b>1997</b> , 40, S59-63	27
257	Heat flux and the calorimetric-respirometric ratio as measures of catabolic flux in mammalian cells. <b>1997</b> , 300, 199-211	50
256	Implications of moderate altitude training for sea-level endurance in elite distance runners. <b>1998</b> , 78, 360-8	52
255	Does glutamine supplementation increase radioresistance in squamous cell carcinoma of the cervix?. <b>1998</b> , 71, 359-63	7
254	Gut permeability, intestinal morphology, and nutritional depletion. 1998, 14, 1-6	94
253	Effect of extracellular glutamine concentration on primary and secondary metabolism of a murine hybridoma: An in vivo 13C nuclear magnetic resonance study. <b>1998</b> , 57, 172-186	25
252	Specific heat flow rate: an on-line monitor and potential control variable of specific metabolic rate in animal cell culture that combines microcalorimetry with dielectric spectroscopy. <b>1998</b> , 58, 464-77	56
251	Probing the metabolism of genetically-engineered mammalian cells by heat flux. <b>1998</b> , 309, 63-78	31
250	Modification of inflammatory aspects of immune function by nutrients. <b>1998</b> , 18, 1297-1317	44
249	Glutamine-containing TPN: a question of life and death for intensive care unit-patients?. 1998, 17, 3-6	15
248	Glutamine and nucleotide metabolism within enterocytes. <b>1998</b> , 22, 105-11	46

247	Glutamine enhances gut glutathione production. <b>1998</b> , 22, 224-7	75
246	A double-blind placebo-controlled pilot study of glutamine therapy for abnormal intestinal permeability in patients with AIDS. <b>1998</b> , 93, 972-5	38
245	Is there a requirement for glutamine catabolism in the small intestine?. <b>1999</b> , 81, 261-262	6
244	Coping with metabolic stress in wild and domesticated animals. <b>1999</b> , 24, 9-20	4
243	Glutamine supplementation in catabolic patients. <b>1999</b> , 33, 348-54	41
242	Randomised trial of glutamine-enriched enteral nutrition on infectious morbidity in patients with multiple trauma. <b>1999</b> , 23, 43-4	5
241	Is glutamine essential for the maintenance of intestinal function? A study in the isolated perfused rat small intestine. <b>1999</b> , 14, 86-94	14
240	Effects of vascular or luminal administration and of simultaneous glucose availability on glutamine utilization by isolated rat small intestine. <b>1999</b> , 14, 95-100	10
239	Glutamine: a necessary nutrient for the intensive care patient. <b>1999</b> , 14, 137-42	25
238	Randomized clinical outcome study of critically ill patients given glutamine-supplemented enteral nutrition. <b>1999</b> , 15, 108-15	190
237	Microcalorimetric studies of animal tissues and their isolated cells. <b>1999</b> , 4, 557-656	8
236	Is glutamine a 全onditionally essentialSamino acid in Duchenne muscular dystrophy?. <b>1999</b> , 18, 365-9	23
235	Starvation alters the activity and mRNA level of glutaminase and glutamine synthetase in the rat intestine. <b>2000</b> , 11, 393-400	14
234	Localization of phosphate dependent glutaminase in ascites fluid of ovarian cancer patient. <b>2000</b> , 6, 217-23	7
233	Nutritional treatment for acquired immunodeficiency virus-associated wasting using beta-hydroxy beta-methylbutyrate, glutamine, and arginine: a randomized, double-blind, placebo-controlled study. <b>2000</b> , 24, 133-9	166
232	Amino acid release into the knee joint: key role in nociception and inflammation. <b>2000</b> , 86, 69-74	135
231	Cost containment through L-alanyl-L-glutamine supplemented total parenteral nutrition after major abdominal surgery: a prospective randomized double-blind controlled study. <b>2000</b> , 19, 395-401	69
230	Amino Acids, Fatigue and Immunodepression in Exercise. 133-170	2

Protein metabolism in the extremely low-birth weight infant. <b>2000</b> , 27, 23-56		31
Glutamine utilization in activated lymphocytes from rats receiving endotoxin. 2001, 96, 246-54		4
Combination of recombinant human growth hormone and glutamine-enriched total parenteral nutrition to surgical patients: effects on circulating amino acids. <b>2001</b> , 20, 503-10		10
[Clinical diagnosis of overtraining using blood tests: current knowledge]. 2001, 22, 723-36		9
Glutamine induces heat shock protein and protects against endotoxin shock in the rat. <i>Journal of Applied Physiology</i> , <b>2001</b> , 90, 2403-10	3.7	220
Glutamine: the emperor or his clothes?. <b>2001</b> , 131, 2449S-59S; discussion 2486S-7S		96
Plasma glutamine depletion and patient outcome in acute ICU admissions. 2001, 27, 84-90		263
The application of heat conduction microcalorimetry to study the metabolism and pharmaceutical modulation of cultured mammalian cells. <b>2001</b> , 380, 229-244		14
Nutritional modulation of immune function. <b>2001</b> , 60, 389-97		146
The immunosuppressant rapamycin mimics a starvation-like signal distinct from amino acid and glucose deprivation. <b>2002</b> , 22, 5575-84		343
Effect of growth hormone on muscle and liver protein synthesis in septic rats receiving glutamine-enriched parenteral nutrition. <b>2002</b> , 30, 1099-105		15
Biochemical aspects of overtraining in endurance sports: a review. <b>2002</b> , 32, 867-78		64
Phosphoenolpyruvate carboxykinase: Structure, function and regulation. 2002, 93-189		27
Nutrition support of the chronically critically ill patient. <b>2002</b> , 18, 597-618		32
Can glutamine modify the apparent immunodepression observed after prolonged, exhaustive exercise?. <b>2002</b> , 18, 371-5		22
Impact of oral L-glutamine on glutathione, glutamine, and glutamate blood levels in volunteers. <b>2002</b> , 18, 367-70		26
Phosphate-dependent glutaminase in enterocyte mitochondria and its regulation by ammonium and other ions. <i>Amino Acids</i> , <b>2003</b> , 24, 427-34	3.5	4
Skeletal muscle metabolism in Duchenne muscular dystrophy (DMD): an in-vitro proton NMR spectroscopy study. <b>2003</b> , 21, 145-53		75
	Glutamine utilization in activated lymphocytes from rats receiving endotoxin. 2001, 96, 246-54  Combination of recombinant human growth hormone and glutamine-enriched total parenteral nutrition to surgical patients: effects on circulating amino acids. 2001, 20, 503-10  [Clinical diagnosis of overtraining using blood tests: current knowledge]. 2001, 22, 723-36  Glutamine induces heat shock protein and protects against endotoxin shock in the rat. Journal of Applied Physiology, 2001, 90, 2403-10  Glutamine: the emperor or his clothes?. 2001, 131, 24495-595; discussion 24865-75  Plasma glutamine depletion and patient outcome in acute ICU admissions. 2001, 27, 84-90  The application of heat conduction microcalorimetry to study the metabolism and pharmaceutical modulation of cultured mammalian cells. 2001, 380, 229-244  Nutritional modulation of immune function. 2001, 60, 389-97  The immunosuppressant rapamycin mimics a starvation-like signal distinct from amino acid and glucose deprivation. 2002, 22, 5575-84  Effect of growth hormone on muscle and liver protein synthesis in septic rats receiving glutamine-enriched parenteral nutrition. 2002, 30, 1099-105  Biochemical aspects of overtraining in endurance sports: a review. 2002, 32, 867-78  Phosphoenolpyruvate carboxykinase: Structure, function and regulation. 2002, 93-189  Nutrition support of the chronically critically ill patient. 2002, 18, 597-618  Can glutamine modify the apparent immunodepression observed after prolonged, exhaustive exercise?. 2002, 18, 371-5  Impact of oral L-glutamine on glutathione, glutamine, and glutamate blood levels in volunteers. 2002, 18, 367-70  Phosphate-dependent glutaminase in enterocyte mitochondria and its regulation by ammonium and other ions. Amino Acids, 2003, 24, 427-34  Skeletal muscle metabolism in Duchenne muscular dystrophy (DMD): an in-vitro proton NMR	Clutamine utilization in activated lymphocytes from rats receiving endotoxin. 2001, 96, 246-54  Combination of recombinant human growth hormone and glutamine-enriched total parenteral nutrition to surgical patients: effects on circulating amino acids. 2001, 20, 503-10  [Clinical diagnosis of overtraining using blood tests: current knowledge]. 2001, 22, 723-36  Glutamine induces heat shock protein and protects against endotoxin shock in the rat. Journal of Applied Physiology, 2001, 90, 2403-10  Glutamine: the emperor or his clothes?. 2001, 131, 24495-595; discussion 24865-75  Plasma glutamine depletion and patient outcome in acute ICU admissions. 2001, 27, 84-90  The application of heat conduction microcalorimetry to study the metabolism and pharmaceutical modulation of cultured mammalian cells. 2001, 380, 229-244  Nutritional modulation of immune function. 2001, 60, 389-97  The immunosuppressant rapamycin mimics a starvation-like signal distinct from amino acid and glucose deprivation. 2002, 22, 5575-84  Effect of growth hormone on muscle and liver protein synthesis in septic rats receiving glutamine-enriched parenteral nutrition. 2002, 30, 1099-105  Biochemical aspects of overtraining in endurance sports: a review. 2002, 32, 867-78  Phosphoenolpyruvate carboxykinase: Structure, function and regulation. 2002, 93-189  Nutrition support of the chronically critically ill patient. 2002, 18, 597-618  Can glutamine modify the apparent immunodepression observed after prolonged, exhaustive exercise?. 2002, 18, 371-5  Impact of oral L-glutamine on glutathione, glutamine, and glutamate blood levels in volunteers. 2002, 18, 367-70  Phosphate-dependent glutaminase in enterocyte mitochondria and its regulation by ammonium and other ions. Amino Acids, 2003, 24, 427-34  Skeletal muscle metabolism in Duchenne muscular dystrophy (DMD): an in-vitro proton NMR

211	Apoptosis-resistant phenotype in HL-60-derived cells HCW-2 is related to changes in expression of stress-induced proteins that impact on redox status and mitochondrial metabolism. <b>2003</b> , 10, 163-74		24
210	Glutamine supplementation in vitro and in vivo, in exercise and in immunodepression. <b>2003</b> , 33, 323-45		77
209	Biochemical aspects of overtraining in endurance sports : the metabolism alteration process syndrome. <b>2003</b> , 33, 83-94		45
208	Clinical applications of L-glutamine: past, present, and future. <b>2003</b> , 18, 377-85		47
207	Symptoms of infection and acute mountain sickness; associated metabolic sequelae and problems in differential diagnosis. <b>2003</b> , 4, 319-31		19
206	Role of L-glutamine in critical illness: new insights. <b>2003</b> , 6, 217-22		58
205	Glutamine supplementation in enteral or parenteral nutrition for the incidence of mucositis in colorectal cancer. <b>2004</b> ,		
204	Methods to detect mitochondrial function. <b>2004</b> , 39, 277-81		24
203	Glutamine breakdown in rapidly dividing cells: waste or investment?. 2004, 26, 778-85		65
202	Practical aspects of nutritional support for wound-healing patients. <b>2004</b> , 188, 52-6		40
201	Glutamine supplementation to prevent morbidity and mortality in preterm infants. 2005, CD001457		18
200	Nutrients, Stress, and Medical Disorders. 2005,		5
199	Nutraceuticals and Inflammation in Athletes. <b>2006</b> , 409-420		
198	The glutamine story: where are we now?. <b>2006</b> , 12, 142-8		28
197	Glutamine inhibits lipopolysaccharide-induced cytoplasmic phospholipase A2 activation and protects against endotoxin shock in mouse. <i>Shock</i> , <b>2006</b> , 25, 290-4	3.4	21
196	The Interaction Between Nutrition and Inflammatory Stress Throughout the Life Cycle. <b>2006</b> , 387-424		
195	Characterization of several amino acid transports and glutamine metabolism in MOLT4 human T4 leukemia cells. <b>2006</b> , 28, 399-404		3
194	Nutrition support and the chronic critical illness syndrome. <b>2006</b> , 21, 587-604		41

193	Glutamine: mode of action in critical illness. <b>2007</b> , 35, S541-4	97
192	Blood concentrations of amino acids, glucose and lactate during experimental swine dysentery. <b>2007</b> , 82, 323-31	13
191	Autophagy: process and function. 2007, 21, 2861-73	2707
190	The effect of supplemental glutamine on growth performance, development of the gastrointestinal tract, and humoral immune response of broilers. <b>2007</b> , 86, 1940-7	95
189	Modification of fetal plasma amino acid composition by placental amino acid exchangers in vitro. <b>2007</b> , 582, 871-82	34
188	Glutamine preferentially inhibits T-helper type 2 cell-mediated airway inflammation and late airway hyperresponsiveness through the inhibition of cytosolic phospholipase A(2) activity in a murine asthma model. <b>2008</b> , 38, 357-64	24
187	Effect of timing of glutamine-enriched enteral nutrition on intestinal damage caused by irradiation. <b>2007</b> , 24, 648-61	12
186	Pharmacokinetic, pharmacodynamic and intracellular effects of PEG-asparaginase in newly diagnosed childhood acute lymphoblastic leukemia: results from a single agent window study. <b>2008</b> , 22, 1665-79	82
185	Glutamine supplementation increases Th1-cytokine responses in murine intestinal intraepithelial lymphocytes. <i>Cytokine</i> , <b>2008</b> , 44, 92-5	19
184	Can glutamine enable the critically ill to cope better with infection?. 2008, 32, 489-91	8
183	Glutamine supplementation to prevent morbidity and mortality in preterm infants. 2008, CD001457	31
182	Glutamine: role in critical illness and ongoing clinical trials. 2008, 24, 190-7	84
181	Nutritional factors influencing infections in preterm infants. 2008, 138, 1813S-1817S	20
180	Enteral administration of alanyl-[2-(15)N]glutamine contributes more to the de novo synthesis of arginine than does intravenous infusion of the dipeptide in humans. <b>2009</b> , 90, 95-105	16
179	Cytokine responses in very low birth weight infants receiving glutamine-enriched enteral nutrition. <b>2009</b> , 48, 94-101	8
178	A kinetic approach to the determination of human amino acid requirements. <b>1987</b> , 45, 289-98	18
177	Is glutamine a conditionally essential amino acid?. <b>1990</b> , 48, 297-309	567
176	Effect of exercise on glutamine metabolism in macrophages of trained rats. <b>2009</b> , 107, 309-15	10

175	Quantification of statin effects on hepatic cholesterol synthesis by transient (13)C-flux analysis. <b>2009</b> , 11, 292-309		46
174	Effects of pharmaconutrients on cellular dysfunction and the microcirculation in critical illness. <b>2009</b> , 22, 177-83		22
173	Effects of parenteral glutamine supplementation on modulating the immune response in rats undergoing a total gastrectomy. <b>2009</b> , 102, 520-5		5
172	Exercise prevents the effects of experimental arthritis on the metabolism and function of immune cells. <b>2010</b> , 28, 266-73		9
171	QS next: the diverse functions of glutamine in metabolism, cell biology and cancer. <b>2010</b> , 29, 313-24		873
170	The eIF2 kinase GCN2 is essential for the murine immune system to adapt to amino acid deprivation by asparaginase. <b>2010</b> , 140, 2020-7		43
169	Anaphase-promoting complex/cyclosome-Cdh1 coordinates glycolysis and glutaminolysis with transition to S phase in human T lymphocytes. <b>2010</b> , 107, 18868-73		94
168	Hypoxia induced tumor metabolic switch contributes to pancreatic cancer aggressiveness. <i>Cancers</i> , <b>2010</b> , 2, 2138-52	6.6	41
167	Glutamine in critical illness: the time has come, the time is now. <b>2010</b> , 26, 515-25, ix-x		54
166	Peripheral inhibition of glutaminase reduces carrageenan-induced Fos expression in the superficial dorsal horn of the rat. <b>2010</b> , 472, 157-60		13
165	Plasma glutamine status in the equine at rest, during exercise and following viral challenge. <b>1999</b> , 31, 612-6		
164	Therapeutic targeting of Myc-reprogrammed cancer cell metabolism. <b>2011</b> , 76, 369-74		79
163	The transcription factor Myc controls metabolic reprogramming upon T lymphocyte activation. <b>2011</b> , 35, 871-82		1238
162	Full-length human glutaminase in complex with an allosteric inhibitor. <b>2011</b> , 50, 10764-70		108
161	Glutamine supplementation in sick children: is it beneficial?. <b>2011</b> , 2011, 617597		18
160	Otto Warburg& contributions to current concepts of cancer metabolism. <b>2011</b> , 11, 325-37		1912
159	Aerobic glycolysis: meeting the metabolic requirements of cell proliferation. <b>2011</b> , 27, 441-64		1680
158	Importance of exercise immunology in health promotion. <i>Amino Acids</i> , <b>2011</b> , 41, 1165-72	3.5	28

# (2013-2012)

157	Glutamine randomized studies in early life: the unsolved riddle of experimental and clinical studies. <b>2012</b> , 2012, 749189	21
156	Glutamine suppresses airway neutrophilia by blocking cytosolic phospholipase A(2) via an induction of MAPK phosphatase-1. <b>2012</b> , 189, 5139-46	13
155	Metabolic and nutrition support in the chronic critical illness syndrome. <i>Respiratory Care</i> , <b>2012</b> , 57, 958-77; discussion 977-8	43
154	Metabolic switching and fuel choice during T-cell differentiation and memory development. <b>2012</b> , 249, 27-42	293
153	Metabolic reprogramming and metabolic dependency in T cells. <b>2012</b> , 249, 14-26	104
152	Glutamine. <b>2013</b> , 105, 90-96	24
151	Glutamine supplementation to prevent morbidity and mortality in preterm infants. 2012, CD001457	17
150	Fulfilling the metabolic requirements for cell proliferation. <b>2012</b> , 446, 1-7	54
149	Glucose-independent glutamine metabolism via TCA cycling for proliferation and survival in B cells. <i>Cell Metabolism</i> , <b>2012</b> , 15, 110-21	735
148	Glutamine inhibits platelet-activating factor-mediated pulmonary tumour metastasis. <b>2012</b> , 48, 1730-8	9
147	Serum glutamate levels correlate with Gleason score and glutamate blockade decreases proliferation, migration, and invasion and induces apoptosis in prostate cancer cells. <b>2012</b> , 18, 5888-901	92
146	Glutamine suppresses dinitrophenol fluorobenzene-induced allergic contact dermatitis and itching: inhibition of contact dermatitis by glutamine. <b>2012</b> , 67, 88-94	5
145	Arginyl-glutamine dipeptide or docosahexaenoic acid attenuate hyperoxia-induced lung injury in neonatal mice. <b>2012</b> , 28, 1186-91	26
144	Stat3-mediated activation of microRNA-23a suppresses gluconeogenesis in hepatocellular carcinoma by down-regulating glucose-6-phosphatase and peroxisome proliferator-activated receptor gamma, coactivator 1 alpha. <b>2012</b> , 56, 186-97	159
143	Stable isotope-resolved metabolomics and applications for drug development. <b>2012</b> , 133, 366-91	148
142	Vitamin C promotes maturation of T-cells. <i>Antioxidants and Redox Signaling</i> , <b>2013</b> , 19, 2054-67 8.4	83
141	Improved performance and small intestinal development of broiler chickens by dietary L-glutamine supplementation. <b>2013</b> , 41, 1-7	13
140	Pharmaconutrition review: physiological mechanisms. <b>2013</b> , 37, 51S-65S	34

1st Andre Laguna Master Lecture. Metabolism of cell division: Discovery and perspectives. 2013, 139 213, 399-402 1st Andre Laguna Master Lecture. Metabolism of cell division: discovery and perspectives. 2013, 138 213, 399-402 Moderate exercise increases the metabolism and immune function of lymphocytes in rats. 2013, 137 17 113, 1343-52 Glutamine suppresses DNFB-induced contact dermatitis by deactivating p38 mitogen-activated 136 17 protein kinase via induction of MAPK phosphatase-1. 2013, 133, 723-731 Macropinocytosis of protein is an amino acid supply route in Ras-transformed cells. 2013, 497, 633-7 989 135 The cell- and immune-modulating properties of glutamine. 2013, 502-522 2 134 Nutrition, immune function and health of dairy cattle. 2013, 7 Suppl 1, 112-22 176 133 A tracer bolus method for investigating glutamine kinetics in humans. 2014, 9, e96601 132 Cross talk between the metabolic and immune systems. 2014, 1184, 13-21 131 7 Anaplerotic metabolism of alloreactive T cells provides a metabolic approach to treat 130 53 graft-versus-host disease. 2014, 351, 298-307 Effect of Dietary Alanyl-glutamine Supplementation on Growth Performance, Development of Intestinal Tract, Antioxidant Status and Plasma Non-specific Immunity of Young Mirror Carp 129 4 (Cyprinus carpio L.). **2014**, 21, 37-46 128 Metabolic regulation of immune responses. 2014, 32, 609-34 424 Effect of arginine or glutamine supplementation on production, organ weights, interferon gamma, 6 127 interleukin 6 and antibody titre of broilers. 2014, 62, 348-61 A combined chemometric and quantitative NMR analysis of HIV/AIDS serum discloses metabolic 126 15 alterations associated with disease status. 2014, 10, 2889-97 Elevated ammonia concentrations: potential for pre-analytical and analytical contributing factors. 16 125 2014, 47, 233-6 Glutamine supplementation in the critically ill: friend or foe?. **2014**, 18, 143 124 12 Effects of glutamine on proliferation, migration, and differentiation of human dental pulp cells. 123 17 **2014**, 40, 1087-94 Parenteral glutamine supplementation in critical illness: a systematic review. 2014, 18, R76 118 122

# (2016-2015)

121	Metabolic plasticity of human T cells: Preserved cytokine production under glucose deprivation or mitochondrial restriction, but 2-deoxy-glucose affects effector functions. <b>2015</b> , 45, 2504-16	54
120	Isotopomer Spectral Analysis: Utilizing Nonlinear Models in Isotopic Flux Studies. <b>2015</b> , 561, 303-30	16
119	Reviving Lonidamine and 6-Diazo-5-oxo-L-norleucine to Be Used in Combination for Metabolic Cancer Therapy. <b>2015</b> , 2015, 690492	63
118	Glutamine: an obligatory parenteral nutrition substrate in critical care therapy. <b>2015</b> , 2015, 545467	17
117	Glucose-Independent Glutamine-Driven TCA Cycle in Cancer Cells. 2015, 77-85	2
116	Helicobacter pylori Eglutamyltranspeptidase impairs T-lymphocyte function by compromising metabolic adaption through inhibition of cMyc and IRF4 expression. <b>2015</b> , 17, 51-61	20
115	Neurological sequelae induced by alphavirus infection of the CNS are attenuated by treatment with the glutamine antagonist 6-diazo-5-oxo-l-norleucine. <b>2015</b> , 21, 159-73	24
114	Regulation of mammalian nucleotide metabolism and biosynthesis. <b>2015</b> , 43, 2466-85	391
113	Mechanism of glutamine inhibition of cytosolic phospholipase a2 (cPLA2): Evidence of physical interaction between glutamine-Induced mitogen-activated protein kinase phosphatase-1 and cPLA2. <b>2015</b> , 180, 571-80	9
112	A metabolic perspective of PetoS paradox and cancer. 2015, 370,	18
111	The effects of acute oral glutamine supplementation on exercise-induced gastrointestinal permeability and heat shock protein expression in peripheral blood mononuclear cells. <b>2015</b> , 20, 85-93	56
110	Is the glutamine story over?. <b>2016</b> , 20, 361	16
109	Immunonutrition for acute respiratory distress syndrome (ARDS) in adults. <i>The Cochrane Library</i> , 2016,	8
108	Glutamine up-regulates MAPK phosphatase-1 induction via activation of Ca-rERK cascade pathway. <b>2016</b> , 7, 10-19	9
107	Restricting Glutamine or Glutamine-Dependent Purine and Pyrimidine Syntheses Promotes Human T Cells with High FOXP3 Expression and Regulatory Properties. <b>2016</b> , 196, 3618-30	49
106	Deletion of Amino Acid Transporter ASCT2 (SLC1A5) Reveals an Essential Role for Transporters SNAT1 (SLC38A1) and SNAT2 (SLC38A2) to Sustain Glutaminolysis in Cancer Cells. <b>2016</b> , 291, 13194-205	124
105	The immune system's role in sepsis progression, resolution, and long-term outcome. 2016, 274, 330-353	286
104	Glutamine supplementation in enteral or parenteral nutrition for the incidence of mucositis in colorectal cancer. <i>The Cochrane Library</i> , <b>2016</b> ,	

103	Regulatory principles in metabolism-then and now. <b>2016</b> , 473, 1845-57		36
102	Glutamine supplementation to prevent morbidity and mortality in preterm infants. <b>2016</b> , 4, CD001457		23
101	Glutamine supplementation to prevent morbidity and mortality in preterm infants. 2016, CD001457		7
100	Proinflammatory signal suppresses proliferation and shifts macrophage metabolism from Myc-dependent to HIF1Edependent. <b>2016</b> , 113, 1564-9		118
99	Glutaminolysis as a target for cancer therapy. <b>2016</b> , 35, 3619-25		224
98	Glutathione Primes T Cell Metabolism for Inflammation. <b>2017</b> , 46, 675-689		182
97	Glutamine antagonist-mediated immune suppression decreases pathology but delays virus clearance in mice during nonfatal alphavirus encephalomyelitis. <b>2017</b> , 508, 134-149		14
96	Amino acid homeostasis and signalling in mammalian cells and organisms. <b>2017</b> , 474, 1935-1963		210
95	Cell biology-metabolic crosstalk in glioma. <b>2017</b> , 89, 171-181		23
94	T cell metabolism in metabolic disease-associated autoimmunity. <b>2017</b> , 222, 925-936		10
93	MYC and HIF in shaping immune response and immune metabolism. <b>2017</b> , 35, 63-70		45
92	NMR-based Stable Isotope Resolved Metabolomics in systems biochemistry. <b>2017</b> , 628, 123-131		34
91	Limits of aerobic metabolism in cancer cells. <i>Scientific Reports</i> , <b>2017</b> , 7, 13488	4.9	43
90	MYC in Regulating Immunity: Metabolism and Beyond. <i>Genes</i> , <b>2017</b> , 8,	4.2	37
89	Diabetes and Sepsis: Risk, Recurrence, and Ruination. Frontiers in Endocrinology, 2017, 8, 271	5.7	32
88	Impact of Metabolism on T-Cell Differentiation and Function and Cross Talk with Tumor Microenvironment. <i>Frontiers in Immunology</i> , <b>2017</b> , 8, 270	8.4	62
87	Autophagy in glioma cells: An identity crisis with a clinical perspective. Cancer Letters, 2018, 428, 139-14	<b>16</b> .9	16
86	Role of amino acid supplementation in the prevention of necrotizing enterocolitis in preterm neonates - a review of current evidences. <i>Journal of Maternal-Fetal and Neonatal Medicine</i> , <b>2018</b> , 31, 2349-2366	2	4

### (2019-2018)

85	CD38-NADAxis Regulates Immunotherapeutic Anti-Tumor T Cell Response. <i>Cell Metabolism</i> , <b>2018</b> , 27, 85-100.e8	24.6	109
84	Peripheral Blood Mononuclear Cell Metabolism Acutely Adapted to Postprandial Transition and Mainly Reflected Metabolic Adipose Tissue Adaptations to a High-Fat Diet in Minipigs. <i>Nutrients</i> , <b>2018</b> , 10,	6.7	7
83	Tissue metabolomics study to reveal the toxicity of a traditional Tibetan medicine <b>R</b> enqing ChangjueSin rats <i>RSC Advances</i> , <b>2018</b> , 8, 37652-37664	3.7	2
82	Cross-talk between signal transduction and metabolism in B cells. <i>Immunology Letters</i> , <b>2018</b> , 201, 1-13	4.1	20
81	Metabolic regulation of infection and inflammation. <i>Cytokine</i> , <b>2018</b> , 112, 1-11	4	11
80	. Nutrire, <b>2018</b> , 43,	2.2	3
79	Glutamine: Metabolism and Immune Function, Supplementation and Clinical Translation. <i>Nutrients</i> , <b>2018</b> , 10,	6.7	272
78	Cancer Metabolism: Current Understanding and Therapies. <i>Chemical Reviews</i> , <b>2018</b> , 118, 6893-6923	68.1	89
77	Obesity and type 2 diabetes mellitus drive immune dysfunction, infection development, and sepsis mortality. <i>Journal of Leukocyte Biology</i> , <b>2018</b> , 104, 525-534	6.5	104
76	NLRX1 Modulates Immunometabolic Mechanisms Controlling the Host-Gut Microbiota Interactions during Inflammatory Bowel Disease. <i>Frontiers in Immunology</i> , <b>2018</b> , 9, 363	8.4	21
75	Metabolic Reprogramming in Modulating T Cell Reactive Oxygen Species Generation and Antioxidant Capacity. <i>Frontiers in Immunology</i> , <b>2018</b> , 9, 1075	8.4	55
74	Response analysis of host Spodoptera exigua larvae to infection by Heliothis virescens ascovirus 3h (HvAV-3h) via transcriptome. <i>Scientific Reports</i> , <b>2018</b> , 8, 5367	4.9	17
73	Metabolism of T Lymphocytes in Health and Disease. <i>International Review of Cell and Molecular Biology</i> , <b>2019</b> , 342, 95-148	6	12
72	Multi-platform metabonomics unravel amino acids as markers of HIV/combination antiretroviral therapy-induced oxidative stress. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2019</b> , 176, 112796	3.5	12
71	The Role of Glutamine in the Complex Interaction between Gut Microbiota and Health: A Narrative Review. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 20,	6.3	19
70	Metabolism and Autoimmune Responses: The microRNA Connection. <i>Frontiers in Immunology</i> , <b>2019</b> , 10, 1969	8.4	17
69	Effects of Glutamine Supplementation on Broiler Performance and Intestinal Immune Parameters During an Experimental Coccidiosis Infection. <i>Journal of Applied Poultry Research</i> , <b>2019</b> , 28, 1279-1287	2	8
68	Effect of amino-acid intake on physical conditions and skin state: a randomized, double-blind, placebo-controlled, crossover trial. <i>Journal of Clinical Biochemistry and Nutrition</i> , <b>2019</b> , 65, 52-58	3.1	5

67	Immunonutrition for Adults With ARDS: Results From a Cochrane Systematic Review and Meta-Analysis. <i>Respiratory Care</i> , <b>2020</b> , 65, 99-110	2.1	11
66	New aspects of amino acid metabolism in cancer. British Journal of Cancer, 2020, 122, 150-156	8.7	99
65	Tumor Microenvironment: A Metabolic Player that Shapes the Immune Response. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 21,	6.3	72
64	Glutamine supplementation versus functional overload in extensor digitorum longus muscle hypertrophy. <i>PharmaNutrition</i> , <b>2020</b> , 14, 100236	2.9	1
63	HIV-1 Infection and Glucose Metabolism Reprogramming of T Cells: Another Approach Toward Functional Cure and Reservoir Eradication. <i>Frontiers in Immunology</i> , <b>2020</b> , 11, 572677	8.4	5
62	Heat Stress Causes Immune Abnormalities via Massive Damage to Effect Proliferation and Differentiation of Lymphocytes in Broiler Chickens. <i>Frontiers in Veterinary Science</i> , <b>2020</b> , 7, 46	3.1	36
61	Glutamine Metabolism and Its Role in Immunity, a Comprehensive Review. Animals, 2020, 10,	3.1	24
60	Stimulation of Alpha-Adrenergic Receptor Ameliorates Cellular Functions of Multiorgans beyond Vasomotion through PPAR. <i>PPAR Research</i> , <b>2020</b> , 2020, 3785137	4.3	4
59	SARS-CoV-2 and Glutamine: SARS-CoV-2 Triggered Pathogenesis Metabolic Reprograming of Glutamine in Host Cells. <i>Frontiers in Molecular Biosciences</i> , <b>2020</b> , 7, 627842	5.6	11
58	Evaluation of Analytes Characterized with Potential Protective Action after Rat Exposure to Lead. <i>Molecules</i> , <b>2021</b> , 26,	4.8	
57	Free amino acid contents of selected Ethiopian plant and fungi species: a search for alternative natural free amino acid sources for cosmeceutical applications. <i>Amino Acids</i> , <b>2021</b> , 53, 1105-1122	3.5	1
56	Nutritional considerations to counteract gastrointestinal permeability during exertional heat stress. <i>Journal of Applied Physiology</i> , <b>2021</b> , 130, 1754-1765	3.7	5
55	Altered mitochondrial metabolism in peripheral blood cells from patients with inborn errors of Ebxidation. <i>Clinical and Translational Science</i> , <b>2021</b> ,	4.9	1
54	Glutamine supplementation: hope, hype, or stay tuned?. <b>2021</b> , 1027-1036		
53	Immunonutrition for acute respiratory distress syndrome (ARDS) in adults. <i>The Cochrane Library</i> , <b>2019</b> , 1, CD012041	5.2	40
52	Radical Dioxygen. Advances in Experimental Medicine and Biology, 2003, 201-221	3.6	12
51	Can Amino Acids Influence Exercise Performance in Athletes?. <b>1996</b> , 269-274		3
50	Milk Protein and Enteral and Parenteral Feeding in Disease. <b>1989</b> , 270-282		6

49	Protein and Amino Acid Turnover Using the Stable Isotopes 15N, 13C, and 2H as Probes. <b>1991</b> , 17-72		6
48	A randomized trial of isonitrogenous enteral diets after severe trauma. An immune-enhancing diet reduces septic complications. <i>Annals of Surgery</i> , <b>1996</b> , 224, 531-40; discussion 540-3	7.8	294
47	Effect of glutamine on methotrexate efficacy and toxicity. <i>Annals of Surgery</i> , <b>1998</b> , 227, 772-8; discussion 778-80	7.8	43
46	A comparison of plasma glutamine concentration in athletes from different sports. <i>Medicine and Science in Sports and Exercise</i> , <b>1998</b> , 30, 1693-6	1.2	16
45	Glutamine and arginine: immunonutrients for improved health. <i>Medicine and Science in Sports and Exercise</i> , <b>2000</b> , 32, S377-88	1.2	40
44	Effects of Acute Subdural Hematoma-Induced Brain Injury On Energy Metabolism in Peripheral Blood Mononuclear Cells. <i>Shock</i> , <b>2021</b> , 55, 407-417	3.4	1
43	Inhibition of tumor cell glutamine uptake by isolated neutrophils. <i>Journal of Clinical Investigation</i> , <b>1988</b> , 82, 789-96	15.9	8
42	Clinical use of growth hormone and glutamine in short bowel syndrome. <i>Revista Do Hospital Das Clinicas</i> , <b>1999</b> , 54, 29-34		8
41	Glutamate and asparagine cataplerosis underlie glutamine addiction in melanoma. <i>Oncotarget</i> , <b>2015</b> , 6, 7379-89	3.3	45
40	Effects of parenteral glutamine in critically ill surgical patients: a systematic review and meta-analysis. <i>Nutricion Hospitalaria</i> , <b>2020</b> , 34, 616-621	1	О
39	Exploring plasma metabolomic changes in sepsis: a clinical matching study based on gas chromatography-mass spectrometry. <i>Annals of Translational Medicine</i> , <b>2020</b> , 8, 1568	3.2	9
38	p53 and regulation of tumor metabolism. <i>Journal of Carcinogenesis</i> , <b>2013</b> , 12, 21	1.9	20
37	Quantitative analysis of how Myc controls T cell proteomes and metabolic pathways during T cell activation. <i>ELife</i> , <b>2020</b> , 9,	8.9	49
36	BAPST. A Combo of Common use drugs as metabolic therapy of cancer-a theoretical proposal. <i>Current Molecular Pharmacology</i> , <b>2021</b> ,	3.7	
35	Stoffwechsel  Bderungen und k  Bstliche Ern  Brung. 2000, 311-332		2
34	New Knowledge About Protein. <b>2001</b> , 1-30		
33	Nutrition and Wound Healing in Burns, Trauma, and Sepsis. <i>CRC Series in Modern Nutrition Science</i> , <b>2006</b> , 219-260		
32	Conditionally Essential Amino Acids. <i>Nutrition in Exercise and Sport</i> , <b>2007</b> , 253-295		

31	Nutrition of some Cells of the Immune System and its Importance in the Response to Trauma. <i>Update in Intensive Care and Emergency Medicine</i> , <b>1993</b> , 198-214		
30	Nutrition of Immune Cells: The Implications for Whole Body Metabolism. <b>1993</b> , 187-196		
29	The Impact of Nutrition on Muscle Tissue in Critical Illness. <i>Update in Intensive Care and Emergency Medicine</i> , <b>1993</b> , 215-235		
28	Stoffwechselfiderungen und kfistliche Ernfirung bei Sepsis und Multiorganversagen. <b>1993</b> , 230-247		1
27	An NMR View of Primary T-Lymphocyte Activation. <b>1994</b> , 295-310		2
26	Glutamine Parenteral Nutrition in Critical Illness. <b>1994</b> , 759-770		
25	The Calorimetric-respirometric Ratio: Its Potential as a Cytotoxicity Test. <i>ATLA Alternatives To Laboratory Animals</i> , <b>1994</b> , 22, 364-376	2.1	1
24	Nutrition in the Acute Catabolic State. <i>Update in Intensive Care and Emergency Medicine</i> , <b>1996</b> , 257-267		
23	Stoffwechsel  Bderungen und k  Bstliche Ern  Brung bei Sepsis und Multiorganversagen. 1996, 290-308		
22	Effects of Amino Acid Therapy on Skeletal Muscle in the Acute Catabolic State. <i>Update in Intensive Care and Emergency Medicine</i> , <b>1996</b> , 249-255		
21	The Colon as a Metabolically Active Organ: Implications for the Composition of Enteral Formula Diets. <b>1999</b> , 181-190		
20	Glutamine-supplemented Parenteral Nutrition. <b>1999</b> , 195-211		
19	OBESITY, INFLAMMATION, AND T-CELL METABOLISM. <i>Trakia Journal of Sciences</i> , <b>2019</b> , 17, 392-398	0.1	
18	Quantitative analysis of how Myc controls T cell proteomes and metabolic pathways during T cell activation.		
17	Supplying the trip to antibody production-nutrients, signaling, and the programming of cellular metabolism in the mature B lineage. <i>Cellular and Molecular Immunology</i> , <b>2021</b> ,	15.4	0
16	Advancing Cancer Treatment by Targeting Glutamine Metabolism-A Roadmap Cancers, 2022, 14,	6.6	6
15	Importance of T, NK, CAR T and CAR NK Cell Metabolic Fitness for Effective Anti-Cancer Therapy: A Continuous Learning Process Allowing the Optimization of T, NK and CAR-Based Anti-Cancer Therapies <i>Cancers</i> , <b>2021</b> , 14,	6.6	2
14	Meta-analysis of Glutamine on Immune Function and Post-Operative Complications of Patients With Colorectal Cancer <i>Frontiers in Nutrition</i> , <b>2021</b> , 8, 765809	6.2	2

### CITATION REPORT

13	Progress in Metabolic Studies of Gastric Cancer and Therapeutic Implications <i>Current Cancer Drug Targets</i> , <b>2022</b> ,	2.8	
12	image_1.PDF. <b>2018</b> ,		
11	Image_1.TIF. <b>2020</b> ,		
10	Role of Metabolism in Adoptive T Cell Therapy: Strategies and Challenges <i>Antioxidants and Redox Signaling</i> , <b>2022</b> ,	8.4	O
9	Targeting Metabolic Reprogramming of T-Cells for Enhanced Anti-Tumor Response <i>Biologics: Targets and Therapy</i> , <b>2022</b> , 16, 35-45	4.4	О
8	Biphasic response of CD8 T cell to asparagine restriction maximizes its metabolic fitness and antitumoral functionality.		
7	Effect of l-Glutamine treatment on the expression of T and B cell surface molecules and secreted cytokines by cultured peripheral blood of healthy subjects. <b>2022</b> , 47,		
6	Amino acid oxidation methods to determine amino acid requirements: do we require lengthy adaptation periods?. 1-7		Ο
5	Identification and characterization of a novel SNAT2 (SLC38A2) inhibitor reveals synergy with glucose transport inhibition in cancer cells. 13,		0
4	Metabolic Challenges in Anticancer CD8 T Cell Functions. <b>2023</b> , 23,		1
3	Glutamine and sickle cell disease in Brazilian scenario. <b>2023</b> , 7, 43-51		0
2	Targeting of chimeric antigen receptor T cell metabolism to improve therapeutic outcomes. 14,		О
1	The role of tumor metabolism in modulating T-Cell activity and in optimizing immunotherapy. 14,		0