# CITATION REPORT List of articles citing



DOI: 10.1111/j.1753-4887.1990.tb02967.x Nutrition Reviews, 1990, 48, 297-309.

Source: https://exaly.com/paper-pdf/45950104/citation-report.pdf

Version: 2024-04-28

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

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

| #   | Paper  | IF | Citations |
|-----|--|----|-----------|
| 603 | Factors affecting the stability of L-glutamine in solution. <b>1991</b> , 10, 186-92   |    | 34        |
| 602 | Role of leucine as a precursor of glutamine alpha-amino nitrogen in vivo in humans. <b>1991</b> , 260, E326-9  |    | 21        |
| 601 | Glutamine-enriched intravenous feedings attenuate extracellular fluid expansion after a standard stress. <b>1991</b> , 214, 385-93; discussion 393-5                   |    | 92        |
| 600 | Protein and energy interactions throughout life. Metabolic basis and nutritional implications. <b>1991</b> , 373, 5-24   |    | 17        |
| 599 | Amino acids in surgical nutrition. Principles and practice. <b>1991</b> , 71, 459-76   |    | 20        |
| 598 | Perioperative nutritional support. <b>1991</b> , 71, 493-507   |    | 25        |
| 597 | Glutamine content of whole proteins: implications for enteral formulas. <b>1992</b> , 7, 77-80   |    | 24        |
| 596 | Enhanced glutamine and glucose metabolism in cultured rat splenocytes stimulated by phorbol myristate acetate plus ionomycin. <b>1992</b> , 41, 982-8                  |    | 28        |
| 595 | Feeding by the leafhopper, Homalodisca coagulata, in relation to xylem fluid chemistry and tension. <b>1992</b> , 38, 611-622  |    | 118       |
| 594 | Applications of chemically defined diets to the solution of nutrition problems. <b>1992</b> , 2, 1-12  |    | 9         |
| 593 | Glutamine metabolism in elasmobranch and agnathan muscle. <b>1992</b> , 264, 267-272   |    | 30        |
| 592 | Determination of glutamine and alpha-ketoglutarate concentration and specific activity in plasma using high-performance liquid chromatography. <b>1993</b> , 620, 33-8 |    | 5         |
| 591 | Intestinal glutamine metabolism and nutrition. <b>1993</b> , 4, 2-9  |    | 62        |
| 590 | Glutamine is a potentially limiting amino acid for milk production in dairy cows: a hypothesis. <b>1993</b> , 42, 358-64   |    | 40        |
| 589 | Basic concepts of immunology and its application to clinical nutrition. <b>1993</b> , 8, 177-83  |    | 14        |
| 588 | Enteral nutrition in inflammatory bowel diseases: is there a special role for elemental diets?. <b>1993</b> , 12, S75-S81  |    | 8         |
| 587 | Role of the small intestine in glutamine metabolism. <b>1993</b> , 12, 50-1  |    | 4         |

| 586 | extracellular amino acid patterns, nitrogen economy, and tissue morphology in growing rats. <b>1993</b> , 17, 566-74   | 19  |
|-----|--|-----|
| 585 | Comparison of net protein utilization of milk protein mild enzymatic hydrolysates and free amino acid mixtures with a close pattern in the rat. <b>1993</b> , 17, 355-63                                 | 29  |
| 584 | Parenteral nutrition in adult intensive care. <b>1993</b> , 69, 841-5  | 2   |
| 583 | Glutamine and cancer. <b>1993</b> , 218, 715-28  | 217 |
| 582 | Growth hormone after abdominal surgery attenuated forearm glutamine, alanine, 3-methylhistidine, and total amino acid efflux in patients receiving total parenteral nutrition. <b>1993</b> , 217, 413-22 | 68  |
| 581 | Role of dietary supplements in nutritional support. <b>1993</b> , 2, 558-62  | 1   |
| 580 | The Immunologic Role of the Gastrointestinal Tract. <b>1993</b> , 5, 107-120   | 5   |
| 579 | The Significance of Enteral Nutrition in the Intensive Care Unit Patient. <b>1993</b> , 5, 23-29   | 7   |
| 578 | Glutamine supplementation to total parenteral nutrition promotes extracellular fluid expansion in piglets. <b>1994</b> , 124, 396-405  | 26  |
| 577 | 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  |
| 576 | Glutamine metabolism in healthy adult men: response to enteral and intravenous feeding. <b>1994</b> , 59, 1395-402   | 35  |
| 575 | Effect of enteral feeding on hepatic steatosis induced by total parenteral nutrition. <b>1994</b> , 18, 20-5   | 16  |
| 574 | Effect of L-glutamine on hepatic lipids at different energy levels in rats receiving total parenteral nutrition. <b>1994</b> , 18, 40-4  | 14  |
| 573 | Biodisponibilit[de la glutamine et rponse du mabolisme prot[que []l'apport de glutamine chez l'homme. <b>1994</b> , 8, 231-240   | 3   |
| 572 | Nutritional assessment and the role of preoperative parenteral nutrition in the colon cancer patient. <b>1994</b> , 10, 183-94   | 10  |
| 571 | Growth of fish cell lines in glutamine-free media. <b>1994</b> , 16, 159-66  | 20  |
| 570 | Nutritional supplementation in chronic liver disease: An analytical review. <b>1994</b> , 19, 518-533  | 102 |
| 569 | Glutamine requirements in the generation of lymphokine-activated killer cells. <b>1994</b> , 13, 42-9  | 29  |

| 568 | Glutamine prevents parenteral nutrition-induced increases in intestinal permeability. <b>1994</b> , 18, 303-7  | 50  |
|-----|--|-----|
| 567 | Effect of free glutamine and alanyl-glutamine dipeptide on mucosal proliferation of the human ileum and colon. <b>1994</b> , 107, 429-34                         | 120 |
| 566 | Controversies in the composition of infant formulas. <b>1994</b> , 41, 909-24  | 6   |
| 565 | Glutamine and the gut. <b>1994</b> , 107, 1885-6   | 34  |
| 564 | Nutrition in Acute Renal Failure: A Reappraisal for the 1990s. <b>1994</b> , 4, 58-77  | 7   |
| 563 | Glutamine-supplemented total parenteral nutrition enhances T-lymphocyte response in surgical patients undergoing colorectal resection. <b>1994</b> , 220, 212-21 | 154 |
| 562 | General integration and regulation of metabolism at the organ level. <b>1995</b> , 54, 213-32  | 15  |
| 561 | Potential role of ammoniagenesis in the hypocalciuric effect of phosphorus in rats. <b>1995</b> , 14, 66-70  | 1   |
| 560 | Recent advances: parenteral nutrition support. <b>1995</b> , 29, 174-80  | 1   |
| 559 | Stimulatory effect of glutamine on glycogen accumulation in human skeletal muscle. <b>1995</b> , 269, E309-15  | 26  |
| 558 | Glutamine prevents downregulation of myosin heavy chain synthesis and muscle atrophy from glucocorticoids. <b>1995</b> , 268, E730-4                             | 13  |
| 557 | Influence of casein and casein hydrolysate diets on nutritional recovery of starved rats. <b>1995</b> , 19, 216-21   | 11  |
| 556 | The effectiveness of long-term intradialytic parenteral nutrition in a chronic hemodialysis patient with Crohn's disease. <b>1995</b> , 5, 138-143               |     |
| 555 | A pilot study of oral glutamine supplementation in patients receiving bone marrow transplants. <b>1995</b> , 14, 162-5   | 57  |
| 554 | Effect of an enterally administered glutamine-rich protein on the catabolic response to a zymosan challenge in rats. <b>1995</b> , 14, 105-15                    | 3   |
| 553 | The role of glutamine, short-chain fatty acids, and nucleotides in intestinal adaptation to gastrointestinal disease. <b>1996</b> , 43, 451-70                   | 15  |
| 552 | Derangement in aerobic and anaerobic energy metabolism in skeletal muscle of critically ill and recovering rats. <b>1996</b> , 1315, 55-60                       | 8   |
| 551 | Epidermal growth factor regulates intestinal glutamine uptake during total parenteral nutrition.  1996, 15, 21-3   | 9   |

| 550 | The emerging role of glutamine as an indicator of exercise stress and overtraining. <b>1996</b> , 21, 80-97   | 78  |
|-----|---|-----|
| 549 | Effect of glutamine on leucine metabolism in humans. <b>1996</b> , 271, E748-54   | 25  |
| 548 | A double-blind, prospective, randomized study of glutamine-enriched compared with standard peptide-based feeding in critically ill patients. <b>1996</b> , 64, 615-21                   | 76  |
| 547 | Oral glutamine to prevent chemotherapy induced stomatitis: a pilot study. <b>1996</b> , 127, 223-8  | 95  |
| 546 | Homologues et dEivE de la glutamine. <b>1996</b> , 10, 5-6  |     |
| 545 | Glutamine content of protein and peptide-based enteral products. <b>1996</b> , 20, 292-5  | 16  |
| 544 | Cerebrospinal and plasma amino acid concentrations after administration of i.v. glycyl-glutamine and glycyl-tyrosine containing amino acid solutions in humans. <b>1996</b> , 20, 281-6 | 3   |
| 543 | Ammonia and glutamine metabolism during liver insufficiency: the role of kidney and brain in interorgan nitrogen exchange. <b>1996</b> , 218, 61-77                                     | 23  |
| 542 | The effects of glutamine-supplemented parenteral nutrition in premature infants. 1996, 20, 74-80  | 132 |
| 541 | Enteral Glutamine Supplementation: Clinical Review and Practical Guidelines. <b>1997</b> , 12, 259-262  | 11  |
| 540 | A prospective randomized study of glutamine-enriched parenteral compared with enteral feeding in postoperative patients. <b>1997</b> , 65, 977-83                                       | 29  |
| 539 | Immune-enhancing enteral formulas: are they beneficial in critically ill patients?. <b>1997</b> , 12, 51-62   | 24  |
| 538 | 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  |
| 537 | Oral glutamine in the prevention of chemotherapy-induced gastrointestinal toxicity. <b>1997</b> , 33, 319-20  | 26  |
| 536 | Effect of glutamine-enriched total parenteral nutrition on small intestinal gut-associated lymphoid tissue and upper respiratory tract immunity. <b>1997</b> , 121, 542-9               | 78  |
| 535 | Enteral glutamine supplementation for very low birth weight infants decreases morbidity. <b>1997</b> , 131, 691-9   | 207 |
| 534 | Metabolic changes in cancer cachexiafirst of two parts. <b>1997</b> , 16, 169-76  | 33  |
| 533 | Effect of glutamine on acute lung injury in rats with endotoxemia. <b>1997</b> , 16, 79-83  | 11  |

| 532 | Glucocorticoids play an important role in mediating the enhanced metabolism of arginine and glutamine in enterocytes of postweaning pigs. <b>1997</b> , 127, 732-7         | 31  |
|-----|--|-----|
| 531 | Regulation of gluconeogenesis by glutamine in normal postabsorptive humans. <b>1997</b> , 272, E437-45   | 17  |
| 530 | Glutamine dipeptides in clinical nutrition. <b>1997</b> , 13, 731-7  | 115 |
| 529 | Metabolic support of the gastrointestinal tract: potential gut protection during intensive cytotoxic therapy. <b>1997</b> , 79, 1794-803                                   | 21  |
| 528 | Glutamine-supplemented total parenteral nutrition reduces blood mononuclear cell interleukin-8 release in severe acute pancreatitis. <b>1998</b> , 14, 261-5               | 117 |
| 527 | Immunonutrition: the pediatric experience. <b>1998</b> , 14, 641-7   | 54  |
| 526 | Role of glutamine in immunologic responses. <b>1998</b> , 14, 618-26   | 148 |
| 525 | Oral glutamine reduces the duration and severity of stomatitis after cytotoxic cancer chemotherapy. <b>1998</b> , 83, 1433-9   | 191 |
| 524 | Mucosal metabolism in ulcerative colitis and Crohn's disease. <b>1998</b> , 41, 1399-405   | 25  |
| 523 | Quels apports azotā spāifiques au cours de l'agression ?. <b>1998</b> , 12, 137-144  | 1   |
| 522 | Interventional nutrition for the critical care patient: optimal diets. 1998, 13, 204-10  | 11  |
| 521 | Glucagon increases glutamine uptake without affecting glutamine release in humans. <b>1998</b> , 47, 713-23  | 19  |
| 520 | Glutamine protects intestinal epithelial cells: role of inducible HSP70. <b>1998</b> , 22, 183-4   | 1   |
| 519 | Sepsis increases lung glutamine synthetase expression in the tumor-bearing host. <b>1998</b> , 78, 18-22   | 7   |
| 518 | Cancer reduces the metabolic response of muscle to surgical stress in the rat. <b>1998</b> , 80, 94-101  | 11  |
| 517 | Enteral nutrition. <b>1998</b> , 27, 371-86  | 27  |
|     |  |     |
| 516 | Plasma and muscle amino acid levels in relation to resting energy expenditure and inflammation in stable chronic obstructive pulmonary disease. <b>1998</b> , 158, 797-801 | 82  |

| 514 | Enteral glutamine supplementation for very-low-birth-weight infants decreases hospital costs. <b>1998</b> , 22, 352-6   | 44  |
|-----|---|-----|
| 513 | Glutamine metabolism in the gastrointestinal tract of the rat assess by the relative activities of glutaminase (EC 3.5.1.2) and glutamine synthetase (EC 6.3.1.2). <b>1998</b> , 79, 365-72             | 44  |
| 512 | Phenylbutyrate-induced glutamine depletion in humans: effect on leucine metabolism. <b>1998</b> , 274, E801-7   | 24  |
| 511 | Enteral Feeding Solutions. <b>1998</b> , 8, 593-609   | 6   |
| 510 | Intravenous glutamine or limited enteral feedings in piglets: amelioration of small intestinal disuse atrophy. <b>1998</b> , 128, 2723S-2726S   | 9   |
| 509 | Increased plasma gln and Leu Ra and inappropriately low muscle protein synthesis rate in AIDS wasting. <b>1998</b> , 275, E577-83   | 30  |
| 508 | In vivo glucose contribution to glutamate synthesis is maintained while its contribution to acetyl CoA is lowered in adult mice fed a diet with a high fat:carbohydrate ratio. <b>1998</b> , 128, 733-9 | 6   |
| 507 | Opposite fluxes of glutamine and alanine in the splanchnic area are an efficient mechanism for nitrogen sparing in rats. <b>1998</b> , 128, 1487-94   | 23  |
| 506 | The metabolic consequences of critical illness: acute effects on glutamine and protein metabolism. <b>1999</b> , 276, E163-70   | 29  |
| 505 | Effect of intravenous glutamine on duodenal mucosa protein synthesis in healthy growing dogs. <b>1999</b> , 276, E747-53  | 8   |
| 504 | Nutritional support during treatment of biliopancreatic malignancy. <b>1999</b> , 10, S273-S277   | 2   |
| 503 | Glutamine supplementation in catabolic patients. <b>1999</b> , 33, 348-54   | 41  |
| 502 | Accelerated glutamine synthesis in critically ill patients cannot maintain normal intramuscular free glutamine concentration. <b>1999</b> , 23, 243-50; discussion 250-2                                | 47  |
| 501 | Glutamine attenuates leukocyte-endothelial cell adhesion in indomethacin-induced intestinal inflammation in the rat. <b>1999</b> , 23, 12-8   | 26  |
| 500 | Invited Review: Selected Ergogenic Aids Used by Athletes. <b>1999</b> , 14, 287-295   | 1   |
| 499 | Glutamine: the pivot of our nitrogen economy?. <b>1999</b> , 23, S45-8  | 31  |
| 498 | Role of glutamine in human carbohydrate metabolism in kidney and other tissues. <b>1999</b> , 55, 778-92  | 139 |
| 497 | Glutamine and the immune system. <b>1999</b> , 17, 227-41   | 144 |

| 496 | Role of nutrients in the regulation of in vivo protein metabolism in humans. 1999, 88, 92-4   | 8   |
|-----|---|-----|
| 495 | Formulation of enteral diets. <b>1999</b> , 15, 626-32  | 13  |
| 494 | Degradation kinetics of L-alanyl-L-glutamine and its derivatives in aqueous solution. <b>1999</b> , 7, 107-12   | 15  |
| 493 | Quantification of glutamine in proteins and peptides using enzymatic hydrolysis and reverse-phase high-performance liquid chromatography. <b>1999</b> , 269, 143-8  | 22  |
| 492 | Effects of glutamine on head and neck squamous cell carcinoma. <b>1999</b> , 121, 348-54  | 9   |
| 491 | Is glutamine a 'conditionally essential' amino acid in Duchenne muscular dystrophy?. <b>1999</b> , 18, 365-9  | 23  |
| 490 | Immunonutrition and surgical practice. <b>1999</b> , 58, 831-7  | 29  |
| 489 | The metabolic and nutritional response to critical illness. <b>2000</b> , 6, 233-238  | 16  |
| 488 | Mucosal barrier injury: biology, pathology, clinical counterparts and consequences of intensive treatment for haematological malignancy: an overview. <b>2000</b> , 25, 1269-78   | 181 |
| 487 | Plasma glutamine response to enteral administration of glutamine in human volunteers (free glutamine versus protein-bound glutamine). <b>2000</b> , 16, 1037-42   | 21  |
| 486 | More good news about glutamine. <b>2000</b> , 16, 71-3  | 9   |
| 485 | Glutamine appearance rate in plasma is not increased after gastrointestinal surgery in humans. <b>2000</b> , 130, 1566-71   | 28  |
| 484 | Growth hormone decreases muscle glutamine production and stimulates protein synthesis in hypercatabolic patients. <b>2000</b> , 279, E323-32  | 39  |
| 483 | Response of glutamine metabolism to glutamine-supplemented parenteral nutrition. <b>2000</b> , 72, 790-5  | 41  |
| 482 | Effect of enteral glutamine on leucine, phenylalanine and glutamine metabolism in hypercortisolemic subjects. <b>2000</b> , 278, E817-24  | 6   |
| 481 | Effects of glutamine supplementation, GH, and IGF-I on glutamine metabolism in critically ill patients. <b>2000</b> , 278, E226-33  | 31  |
| 480 | Altered glutamate metabolism is associated with reduced muscle glutathione levels in patients with emphysema. <b>2000</b> , 161, 98-103   | 90  |
| 479 | 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 |

# (2000-2000)

| 478 | Whey protein concentrates with and without immunoglobulins: a review. 2000, 3, 1-13  | 8   |
|-----|--|-----|
| 477 | Effects of parenteral infusion with medium-chain triglycerides and safflower oil emulsions on hepatic lipids, plasma amino acids and inflammatory mediators in septic rats. <b>2000</b> , 19, 115-20   | 8   |
| 476 | 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  |
| 475 | Characteristics of L-glutamine transport during Caco-2 cell differentiation. <b>2000</b> , 1509, 95-102  | 23  |
| 474 | Glutamine and glutathione counteract the inhibitory effects of mediators of sepsis in neonatal hepatocytes. <b>2001</b> , 36, 282-6  | 44  |
| 473 | The simulated microgravity environment maintains key metabolic functions and promotes aggregation of primary porcine hepatocytes. <b>2001</b> , 1526, 119-30   | 25  |
| 472 | Immune-enhancing diets: products, components, and their rationales. <b>2001</b> , 25, S3-7   | 55  |
| 471 | Glutamine induces heat shock protein and protects against endotoxin shock in the rat. 2001, 90, 2403-10  | 220 |
| 470 | Glutamine alimentation in catabolic state. <b>2001</b> , 131, 2569S-77S; discussion 2590S  | 87  |
| 469 | Introduction to the Symposium Proceedings. 2001, 131, 2447S-2448S  | 4   |
| 468 | Alanyl-glutamine dipeptide does not affect hemodynamics despite a greater increase in myocardial heat shock protein 72 immunoreactivity in endotoxemic sheep. <b>2001</b> , 131, 1433-7                | 9   |
| 467 | Composite Foods and Formulas, Parenteral and Enteral Nutrition. 2001, 245-260  |     |
| 466 | Nutrition in patients with acute pancreatitis. <b>2001</b> , 7, 251-6  | 18  |
| 465 | The effect of glutamine supplementation in patients following elective surgery and accidental injury. <b>2001</b> , 131, 2543S-9S; discussion 2550S-1S   | 121 |
| 464 | Stress hormones initiate prolonged changes in the muscle amino acid pattern. <b>2001</b> , 21, 44-50   | 18  |
|     | Effects of glutamine and ethanol in vitro on lymphocytes from human alcohol abusers and  | 1   |
| 463 | non-abusers. <b>2001</b> , 6, 73-82  |     |
| 463 | Influence of polymeric enteral nutrition supplemented with different doses of glutamine on gut permeability in critically ill patients. <b>2001</b> , 17, 907-11                                       | 21  |

| 460 | Glutamine: clinical applications and mechanisms of action. <b>2002</b> , 5, 69-75   | 69  |
|-----|---|-----|
| 459 | Glutamine supplementation. Heal the gut, help the patient. <b>2002</b> , 25, 65-9   | 11  |
| 458 | Protective nutrients and functional foods for the gastrointestinal tract. <b>2002</b> , 75, 789-808   | 168 |
| 457 | Glutamine: essential for immune nutrition in the critically ill. 2002, 87 Suppl 1, S3-8   | 74  |
| 456 | Update on host defense and immunonutrients. <b>2002</b> , 29, 41-64   | 11  |
| 455 | Metabolism and nutritional support in the surgical neonate. <b>2002</b> , 37, 811-22  | 41  |
| 454 | II. Glutamine and glutamate. <b>2002</b> , 56, 446-57   | 195 |
| 453 | Change of free amino acids in M17 medium after growth of Streptococcus thermophilus and identification of a glutamine transport ATP-binding protein. <b>2002</b> , 12, 729-736                            | 11  |
| 452 | Interorgan ammonia metabolism in liver failure. <b>2002</b> , 41, 177-88  | 110 |
| 451 | The effects of perioperative oral enteral support with glutamine-added elemental formulas in patients with gastrointestinal cancers. A prospective, randomized, clinical study. <b>2002</b> , 22, 977-988 | 7   |
| 450 | Nutritional support. <b>2002</b> , 12, 227-49, v  | 5   |
| 449 | Metabolic effects of infection and postnatal steroids. <b>2002</b> , 29, 295-312  | 2   |
| 448 | Glutamine promotes triglyceride absorption in a dose-dependent manner. 2002, 282, G317-23   | 7   |
| 447 | Do sex steroids regulate glutamine synthesis with age?. <b>2002</b> , 282, E215-21  | 15  |
| 446 | Nutrition for the pediatric surgical patient: approach in the peri-operative period. 2002, 57, 299-308  | 9   |
| 445 | Glutamine supplementation and GH/IGF-I treatment in critically ill patients: effects on glutamine metabolism and protein balance. <b>2002</b> , 18, 127-9   | 14  |
| 444 | Fatty acid oxidation in neonatal hepatocytes: effects of sepsis and glutamine. 2002, 18, 298-300  | 6   |
| 443 | Glutamine and heat shock protein expression. <b>2002</b> , 18, 225-8  | 126 |

# (2003-2002)

| 442 | Infection, multiple organ failure, and survival in the intensive care unit: influence of glutamine-supplemented parenteral nutrition on acquired infection. <b>2002</b> , 18, 546-52           | 112 |
|-----|--|-----|
| 441 | Amino acids: fuel, building blocks for proteins, and signals. <b>2002</b> , 18, 773-4  | 7   |
| 440 | Nutrition entFale par voie endoscopique. Indications et limites. <b>2002</b> , 32, 719-737   |     |
| 439 | Evolution of nutritional support in acute pancreatitis. <b>2000</b> , 87, 695-707  | 38  |
| 438 | Intestinal adaptation in short bowel syndrome. <b>2002</b> , 72, 229-36  | 42  |
| 437 | Changes in amino acid composition in the tissues of African catfish (Clarias gariepinus) as a consequence of dietary L-carnitine supplements. <b>2002</b> , 18, 140-147                        | 33  |
| 436 | Stability of N-Acetylglutamine and Glutamine in Aqueous Solution and in a Liquid Nutritional Product by an Improved HPLC Method. <b>2002</b> , 67, 384-389                                     | 16  |
| 435 | Immunonutrients and neonates. 2003, 162, 122-128   | 29  |
| 434 | Glutamine Analogues As Adjunctive Therapy for Infectious Diarrhea. 2003, 5, 114-119  | 39  |
| 433 | Pulmonary glutamine production: effects of sepsis and pulmonary infiltrates. <b>2003</b> , 29, 1833-6  | 18  |
| 432 | Glutamine attenuates tumor necrosis factor-alpha release and enhances heat shock protein 72 in human peripheral blood mononuclear cells. <b>2003</b> , 19, 1-6                                 | 128 |
| 431 | On the relationship between lactational performance and health: is it yield or metabolic imbalance that cause production diseases in dairy cattle? A position paper. <b>2003</b> , 83, 277-308 | 271 |
| 430 | Glutamine and glutamatetheir central role in cell metabolism and function. 2003, 21, 1-9   | 384 |
| 429 | Oral glutamine in paediatric oncology patients: a dose finding study. <b>2003</b> , 57, 31-6   | 56  |
| 428 | Effect of route and type of nutrition on intestine-derived inflammatory responses. 2003, 185, 16-21  | 63  |
| 427 | Impaired energy metabolism during neonatal sepsis: the effects of glutamine. <b>2003</b> , 62, 745-51  | 7   |
| 426 | Prevention of chemotherapy and radiation toxicity with glutamine. <b>2003</b> , 29, 501-13   | 186 |
| 425 | Body temperature and heat production in suckling rat endotoxaemia: beneficial effects of glutamine. <b>2003</b> , 38, 37-44; discussion 37-44  | 15  |

| 424                             | Enteral glutamine supplementation and morbidity in low birth weight infants. 2003, 142, 662-8  | 77        |
|---------------------------------|--|-----------|
| 423                             | Glutamine decreases lipopolysaccharide-induced IL-8 production in Caco-2 cells through a non-NF-kappaB p50 mechanism. <b>2003</b> , 22, 77-83  | 54        |
| 422                             | Glutamine supplementation in vitro and in vivo, in exercise and in immunodepression. 2003, 33, 323-45  | 77        |
| 421                             | Immunonutrients and the Critically Ill Neonate. <b>2003</b> , 4, 20e-25  | 1         |
| 420                             | A randomized, controlled trial of parenteral glutamine in ill, very low birth-weight neonates. <b>2003</b> , 37, 550-3   | 33        |
| 419                             | Glutamine supplements in premature infants: why and how. <b>2003</b> , 37, 533-5   | 17        |
| 418                             | Role of L-glutamine in critical illness: new insights. <b>2003</b> , 6, 217-22   | 58        |
| 4 <sup>1</sup> 7                | Whole-body fluxes and partitioning of amino acids to the mammary gland of cows fed fresh pasture at two levels of intake during early lactation. <b>2003</b> , 90, 271-81  | 3         |
| 416                             | Septic shock, multiple organ failure, and acute respiratory distress syndrome. <b>2003</b> , 9, 199-209  | 43        |
|                                 |  |           |
| 415                             | Glutamine and glutamate as vital metabolites. <b>2003</b> , 36, 153-63   | 216       |
| 4 <sup>1</sup> 5                | Glutamine and glutamate as vital metabolites. <b>2003</b> , 36, 153-63  Glutamine Supplements in the Critically Ill. <b>2004</b> , 97, 425-427   | 216<br>7  |
|                                 |  |           |
| 414                             | Glutamine Supplements in the Critically Ill. <b>2004</b> , 97, 425-427  Metabolic pathways implicated in the kinetic impairment of muscle glutamine homeostasis in adult   | 7         |
| 414                             | Glutamine Supplements in the Critically Ill. 2004, 97, 425-427  Metabolic pathways implicated in the kinetic impairment of muscle glutamine homeostasis in adult and old glucocorticoid-treated rats. 2004, 287, E671-6  | 7         |
| 414<br>413<br>412               | Glutamine Supplements in the Critically Ill. 2004, 97, 425-427  Metabolic pathways implicated in the kinetic impairment of muscle glutamine homeostasis in adult and old glucocorticoid-treated rats. 2004, 287, E671-6  Artificial nutrition: principles and practice of enteral feeding. 2004, 17, 107-18  Biochemical approaches for nutritional support of skeletal muscle protein metabolism during   | 7 10 24   |
| 414<br>413<br>412<br>411        | Glutamine Supplements in the Critically Ill. 2004, 97, 425-427  Metabolic pathways implicated in the kinetic impairment of muscle glutamine homeostasis in adult and old glucocorticoid-treated rats. 2004, 287, E671-6  Artificial nutrition: principles and practice of enteral feeding. 2004, 17, 107-18  Biochemical approaches for nutritional support of skeletal muscle protein metabolism during sepsis. 2004, 17, 77-88   | 7 10 24   |
| 414<br>413<br>412<br>411<br>410 | Glutamine Supplements in the Critically Ill. 2004, 97, 425-427  Metabolic pathways implicated in the kinetic impairment of muscle glutamine homeostasis in adult and old glucocorticoid-treated rats. 2004, 287, E671-6  Artificial nutrition: principles and practice of enteral feeding. 2004, 17, 107-18  Biochemical approaches for nutritional support of skeletal muscle protein metabolism during sepsis. 2004, 17, 77-88  Diet and the prevention of degenerative disease. 2004, 17-56  Diarrhea and reduced levels of antiretroviral drugs: improvement with glutamine or | 7 10 24 4 |

| 406 | Thirteen-week oral toxicity study of L-glutamine in rats. <b>2004</b> , 23, 107-12  | 17  |
|-----|---|-----|
| 405 | Substitutes for glutamine in proliferation of rat intestinal epithelial cells. <b>2004</b> , 20, 292-7  | 7   |
| 404 | Glutamine supplementation in infants with gastrointestinal disease: a randomized, placebo-controlled pilot trial. <b>2004</b> , 20, 752-6   | 29  |
| 403 | Glutamine-enriched enteral nutrition in very low birth weight infants. Design of a double-blind randomised controlled trial [ISRCTN73254583]. <b>2004</b> , 4, 17   | 21  |
| 402 | Ischemia-reperfusion injury of the intestine and protective strategies against injury. 2004, 49, 1359-77  | 478 |
| 401 | Effect of dietary glutamine on tumor glutathione levels and apoptosis-related proteins in DMBA-induced breast cancer of rats. <b>2004</b> , 88, 247-56  | 50  |
| 400 | Inmunonutricifi. <b>2004</b> , 51, 202-217  | 1   |
| 399 | Effects of glutamine supplementation on innate immune response in rats with gut-derived sepsis. <b>2004</b> , 91, 423-9   | 22  |
| 398 | Effect of alternative pathway therapy on branched chain amino acid metabolism in urea cycle disorder patients. <b>2004</b> , 81 Suppl 1, S79-85   | 83  |
| 397 | Renal metabolism of amino acids: its role in interorgan amino acid exchange. <b>2004</b> , 79, 185-97   | 160 |
| 396 | A randomized controlled trial of enteral glutamine supplementation in very low birth weight infants: plasma amino acid concentrations. <b>2005</b> , 41, 66-71  | 16  |
| 395 | GLUTAMINE PREVENTS ACTIVATION OF NF-kappaB AND STRESS KINASE PATHWAYS,<br>ATTENUATES INFLAMMATORY CYTOKINE RELEASE, AND PREVENTS ACUTE RESPIRATORY<br>DISTRESS SYNDROME (ARDS) FOLLOWING SEPSIS. <b>2005</b> , 24, 583-9                              | 122 |
| 394 | The lower intestinal tract-specific induction of heme oxygenase-1 by glutamine protects against endotoxemic intestinal injury. <b>2005</b> , 33, 381-90   | 110 |
| 393 | Glutamine supplementation to prevent morbidity and mortality in preterm infants. 2005, CD001457   | 18  |
| 392 | Effects of glutamine on adhesion molecule expression and leukocyte transmigration in endothelial cells exposed to arsenic. <b>2005</b> , 16, 700-4  | 18  |
| 391 | A double-blind randomized placebo-controlled study of oral glutamine in the prevention of mucositis in children undergoing hematopoietic stem cell transplantation: a pediatric blood and marrow transplant consortium study. <b>2005</b> , 36, 611-6 | 71  |
| 390 | Differentiation stage-dependent preferred uptake of basolateral (systemic) glutamine into Caco-2 cells results in its accumulation in proteins with a role in cell-cell interaction. <b>2005</b> , 272, 3350-64                                       | 9   |
| 389 | Glutamine attenuates endotoxin-induced lung metabolic dysfunction: potential role of enhanced heat shock protein 70. <b>2005</b> , 21, 214-23   | 71  |

| 388 | Enteral nutrition support. <b>2005</b> , 21, 109-12  | 12  |
|-----|--|-----|
| 387 | Molecular mechanisms of glutamine action. <b>2005</b> , 204, 392-401   | 288 |
| 386 | Selective uptake of glutamine in the gastrointestinal tract. <b>1992</b> , 79, 91  |     |
| 385 | Manipulation of local and systemic host defence in the prevention of perioperative sepsis. <b>1995</b> , 82, 1460-7  | 23  |
| 384 | Glutamine. <b>1996</b> , 83, 305-12  | 120 |
| 383 | Glutamine-dependent changes in gene expression and protein activity. <b>2005</b> , 23, 77-84   | 32  |
| 382 | A randomised, double-blinded, placebo-controlled, pilot study of parenteral glutamine for allogeneic stem cell transplant patients. <b>2005</b> , 13, 790-6                                | 34  |
| 381 | Glutamine-enriched enteral nutrition in very-low-birth-weight infants and effects on feeding tolerance and infectious morbidity: a randomized controlled trial. <b>2005</b> , 81, 1397-404 | 78  |
| 380 | A suplementa <b>B</b> de glutamina [benfica em crianfis com doenfis graves?. <b>2005</b> , 18, 95-104  | 3   |
| 379 | Short time L-glutamine supplementation of malnourished rats. <b>2005</b> , 18, 719-725   | 1   |
| 378 | Glutamine inhibits cytokine-induced apoptosis in human colonic epithelial cells via the pyrimidine pathway. <b>2005</b> , 289, G388-96   | 42  |
| 377 | Abundance and Feeding ofHomalodisca coagulata(Hemiptera: Auchenorrhyncha: Cicadellidae) onVitisGenotypes in North Florida. <b>2005</b> , 34, 466-478                                       | 26  |
| 376 | Impact of glutamine supplementation on glucose homeostasis during and after exercise. <b>2005</b> , 99, 1858-65  | 27  |
| 375 | Use of stable isotopes to assess protein and amino acid metabolism in children and adolescents: a brief review. <b>2005</b> , 64 Suppl 3, 32-7   | 12  |
| 374 | Effects of oral glutamine supplementation on children with solid tumors receiving chemotherapy. <b>2006</b> , 23, 277-85   | 14  |
| 373 | Supportive care in acute respiratory distress syndrome. <b>2006</b> , 18, 35-41  | 1   |
| 372 | Effect of postruminal glutamine supplementation on immune response and milk production in dairy cows. <b>2006</b> , 89, 3107-21  | 33  |
| 371 | Plasma glutamine concentrations in the horse following feeding and oral glutamine supplementation. <b>2006</b> , 38, 637-42  | 8   |

| 370 | Total glutamine content in human milk is not influenced by gestational age. <b>2006</b> , 95, 985-90  | 10  |
|-----|---|-----|
| 369 | Intravenous feeding. 312-331  | 1   |
| 368 | Nutrition in the neonatal surgical patient. 569-585   |     |
| 367 | Dietary and medical management of short bowel syndrome in adult patients. <b>2006</b> , 40 Suppl 2, S85-93  | 39  |
| 366 | The glutamine story: where are we now?. <b>2006</b> , 12, 142-8   | 28  |
| 365 | Temporal nutritional and inflammatory changes in children with severe head injury fed a regular or an immune-enhancing diet: A randomized, controlled trial. <b>2006</b> , 7, 56-62   | 53  |
| 364 | Glutamine inhibits lipopolysaccharide-induced cytoplasmic phospholipase A2 activation and protects against endotoxin shock in mouse. <b>2006</b> , 25, 290-4  | 21  |
| 363 | Glutamine supplementation for young infants with severe gastrointestinal disease. 2006,   |     |
| 362 | Glutamine regulates the expression of proteins with a potential health-promoting effect in human intestinal Caco-2 cells. <b>2006</b> , 6, 2454-64  | 19  |
| 361 | Influence of glutamine on pancreatic blood flow and apoptosis of pancreatic acinar in rats with severe acute pancreatitis. <b>2006</b> , 7, 121-6   | 5   |
| 360 | Double-blinded, placebo-controlled trial on intravenous L-alanyl-L-glutamine in the incidence of oral mucositis following chemoradiotherapy in patients with head-and-neck cancer. <b>2006</b> , 65, 1330-7                 | 85  |
| 359 | [Nutrition and immunonutrition in septic patients]. 2006, 47, 374, 376-82   | 0   |
| 358 | Effects of long-term continuous use of immune-enhancing enteral formula on nutritional and immunologic status in non-surgical patients. <b>2006</b> , 22, 713-21  | 15  |
| 357 | Nutrition and management of enterocutaneous fistula. <b>2006</b> , 93, 1045-55  | 142 |
| 356 | Heme oxygenase-1: a new drug target in oxidative tissue injuries in critically ill conditions. <b>2006</b> , 67, 130-153  | 7   |
| 355 | Effect of intravenous amino acids on glutamine and protein kinetics in low-birth-weight preterm infants during the immediate neonatal period. <b>2006</b> , 290, E622-30  | 39  |
| 354 | Glutamine's protection against cellular injury is dependent on heat shock factor-1. <b>2006</b> , 290, C1625-32   | 76  |
| 353 | Glutamine attenuation of cell death and inducible nitric oxide synthase expression following inflammatory cytokine-induced injury is dependent on heat shock factor-1 expression. <b>2006</b> , 30, 400-6; discussion 406-7 | 26  |

| 352 | Glutamine-mediated attenuation of cellular metabolic dysfunction and cell death after injury is dependent on heat shock factor-1 expression. <b>2006</b> , 30, 373-8; discussion 379                                      | 10  |
|-----|---|-----|
| 351 | The biochemical basis of antioxidant therapy in critical illness. <b>2006</b> , 65, 242-9   | 28  |
| 350 | The role of oral glutamine in pediatric bone marrow transplant. <b>2007</b> , 24, 41-5  | 7   |
| 349 | Oral glutamine is effective for preventing oxaliplatin-induced neuropathy in colorectal cancer patients. <b>2007</b> , 12, 312-9  | 150 |
| 348 | Glutamine's protection against sepsis and lung injury is dependent on heat shock protein 70 expression. <b>2007</b> , 292, R1839-45   | 114 |
| 347 | Outpatient transfusion practice and factors leading to inpatient transfusion in a pediatric hematology/oncology program. <b>2007</b> , 24, 46-51  | 1   |
| 346 | Glutamine supplementation for young infants with severe gastrointestinal disease. 2007, CD005947  | 12  |
| 345 | Glutamine: mode of action in critical illness. <b>2007</b> , 35, S541-4   | 97  |
| 344 | What are the Important Considerations in the Care of Critically III Patients with Acute Renal Failure?. <b>2007</b> , 7, 103-116  |     |
| 343 | Glutamine supplementation in the newborn infant. <b>2007</b> , 12, 19-25  | 19  |
| 342 | Prevention of radiochemotherapy-induced esophagitis with glutamine: results of a pilot study. <b>2007</b> , 69, 342-9   | 40  |
| 341 | L-alanin-L-glutamine supplementation improves the outcome after colorectal surgery for cancer. <b>2007</b> , 9, 515-20  | 46  |
| 340 | The effect of oral glutamine on 5-fluorouracil/leucovorin-induced mucositis/stomatitis assessed by intestinal permeability test. <b>2007</b> , 26, 57-62  | 66  |
| 339 | Acute depletion of plasma glutamine increases leucine oxidation in prednisone-treated humans. <b>2007</b> , 26, 231-8   | 11  |
| 338 | [Glutamine, an almost essential amino acid in the critically ill patient]. 2007, 31, 402-6  | 12  |
| 337 | Effect of timing of glutamine-enriched enteral nutrition on intestinal damage caused by irradiation. <b>2007</b> , 24, 648-61   | 12  |
| 336 | Gas-phase proton-transport self-catalysed isomerisation of glutamine radical cation: The important role of the side-chain. <b>2007</b> , 118, 589-595   | 9   |
| 335 | Randomized clinical trial of the effects of perioperative use of immune-enhancing enteral formula on metabolic and immunological status in patients undergoing esophagectomy. <b>2007</b> , 31, 2150-7; discussion 2158-9 | 49  |

### (2009-2008)

| 334 | oral mucositis in hamster. <b>2008</b> , 61, 215-22   | 29  |
|-----|---|-----|
| 333 | Pathways involved in alanyl-glutamine-induced changes in neutrophil amino- and alpha-keto acid homeostasis or immunocompetence. <b>2007</b> , 33, 511-24  | 16  |
| 332 | Role of L-glutamine and glycine supplementation on irradiated colonic wall. 2007, 22, 1523-9  | 22  |
| 331 | Treatment with glutamine is associated with down-regulation of Toll-like receptor-4 and myeloid differentiation factor 88 expression and decrease in intestinal mucosal injury caused by lipopolysaccharide endotoxaemia in a rat. <b>2008</b> , 151, 341-7 | 54  |
| 330 | Risk assessment for the amino acids taurine, L-glutamine and L-arginine. 2008, 50, 376-99   | 168 |
| 329 | Glutamine supplementation increases Th1-cytokine responses in murine intestinal intraepithelial lymphocytes. <b>2008</b> , 44, 92-5   | 19  |
| 328 | Immunomodulatory effects of glutamine-enriched nutritional support in elderly patients with severe sepsis: a prospective, randomized, controlled study. <b>2008</b> , 4, 31-37  | 10  |
| 327 | Corticosteroids increase glutamine utilization in human splanchnic bed. <b>2008</b> , 294, G548-53  | 12  |
| 326 | Glutamine supplementation to prevent morbidity and mortality in preterm infants. 2008, CD001457   | 31  |
| 325 | MEabolisme des protines in vivo chez l'homme. <b>2008</b> , 5, 1-12   | 1   |
| 324 | Glutamine for induction of remission in Crohn's disease. 2008,  |     |
| 323 | Comparative aspects of tissue glutamine and proline metabolism. 2008, 138, 2032S-2039S  | 63  |
| 322 | Glutamine: role in critical illness and ongoing clinical trials. 2008, 24, 190-7  | 84  |
| 321 | Dietary glutamine supplementation increases the activity of peritoneal macrophages and hemopoiesis in early-weaned mice inoculated with Mycobacterium bovis bacillus Calmette-Gufin. <b>2008</b> , 138, 1343-8  | 21  |
| 320 | L-glutamine use in the treatment and prevention of mucositis and cachexia: a naturopathic perspective. <b>2009</b> , 8, 409-15  | 42  |
|     |   |     |
| 319 | L-glutamine conjugate of meselamine: a novel approach for targeted delivery to colon. <b>2009</b> , 19, 67-72   | 3   |
| 319 | L-glutamine conjugate of meselamine: a novel approach for targeted delivery to colon. <b>2009</b> , 19, 67-72  Dietary glutamine and oral antibiotics each improve indexes of gut barrier function in rat short bowel syndrome. <b>2009</b> , 296, G348-55  | 19  |

| 316 | Muscle provides glutamine to the immune system. <i>Nutrition Reviews</i> , <b>1990</b> , 48, 390-2  | 6.4 | 1  |
|-----|---|-----|----|
| 315 | Is postoperative early enteral nutrition with regular or disease-specific enteral formula really beneficial in patients undergoing esophagectomy?. <b>2009</b> , 6, 149-154 |     | 6  |
| 314 | Ernfirung und metabolische Kontrolle bei Sepsis. <b>2009</b> , 46, 541-548  |     |    |
| 313 | Interorgan ammonia trafficking in liver disease. <b>2009</b> , 24, 169-81   |     | 74 |
| 312 | Effects of combined pulse electromagnetic field stimulation plus glutamine on the healing of colonic anastomosis in rats. <b>2009</b> , 54, 745-50                          |     | 6  |
| 311 | Glutamine decreases the duration of postoperative ileus after abdominal surgery: an experimental study of conscious dogs. <b>2009</b> , 54, 1208-13                         |     | 10 |
| 310 | Rapid determination of L-glutamine using engineered Escherichia coli overexpressing glutamine synthetase. <b>2009</b> , 158, 398-407  |     | 2  |
| 309 | The effect of high-dose enteral glutamine on the incidence and severity of mucositis in paediatric oncology patients. <b>2009</b> , 63, 134-40                              |     | 37 |
| 308 | Evaluation of a novel food composition database that includes glutamine and other amino acids derived from gene sequencing data. <b>2009</b> , 63, 1433-9                   |     | 35 |
| 307 | Molecular cloning, mass spectrometric identification, and nutritional evaluation of 10 coixins in adlay (Coix lachryma-jobi L.). <b>2009</b> , 57, 10916-21                 |     | 19 |
| 306 | The effect of glutamine infusion on the inflammatory response and HSP70 during human experimental endotoxaemia. <b>2009</b> , 13, R7  |     | 23 |
| 305 | Protein and glutamine kinetics during counter-regulatory failure in type 1 diabetes. <b>2009</b> , 19, 352-7  |     | 4  |
| 304 | Glutamine supplementation does not improve protein synthesis rate by the jejunal mucosa of the malnourished rat. <b>2009</b> , 29, 596-601                                  |     | 11 |
| 303 | Glutamine decreases inflammation in infant rat endotoxemia. <b>2009</b> , 44, 523-9   |     | 14 |
| 302 | L-glutamine supplementation during the lactation period facilitates cortical spreading depression in well-nourished and early-malnourished rats. <b>2009</b> , 85, 241-7    |     | 12 |
| 301 | Glutamine in neoplastic cells: focus on the expression and roles of glutaminases. 2009, 55, 71-5  |     | 54 |
| 300 | Arginine pharmacokinetics: not a new paradigm but the old pharmacology. 2009, 37, 756-7   |     |    |
| 299 | Nutritional challenges and outcomes after surgery for congenital heart disease. <b>2010</b> , 25, 88-94   |     | 18 |

#### (2011-2010)

The effects of parenteral glutamine on intestinal adaptation in a rat model of short bowel 298 syndrome. 2010, 5, 115-122 Glutamine regulation of doxorubicin accumulation in hearts versus tumors in experimental rats. 297 9 2010, 66, 315-23 Effects of glutamine on the nuclear factor-kappaB signaling pathway of murine peritoneal 296 13 macrophages. 2010, 39, 435-41 Enzymatic synthesis of Eglutamylglutamine, a stable glutamine analogue, by 295 13 Eglutamyltranspeptidase from Escherichia coli K-12. 2010, 32, 1877-81 Functional Foods that Boost the Immune System. 2010, 293-321 294 1 Gas chromatography/time-of-flight mass spectrometry-based metabonomics of hepatocarcinoma in rats with lung metastasis: elucidation of the metabolic characteristics of hepatocarcinoma at 293 formation and metastasis. **2010**, 24, 2765-75 A diet containing whey protein, free glutamine, and transforming growth factor-beta ameliorates nutritional outcome and intestinal mucositis during repeated chemotherapeutic challenges in rats. 292 14 2010, 140, 799-805 New insights in nutritional management and amino acid supplementation in urea cycle disorders. 291 22 2010, 100 Suppl 1, S72-6 Carob (Ceratonia siliqua L.) Seeds, Endosperm and Germ Composition, and Application to Health. 290 5 2011, 293-299 289 Reduction of liver ischemia-reperfusion injury via glutamine pretreatment. 2011, 166, 95-103 19 Glutamine supplementation in sick children: is it beneficial?. 2011, 2011, 617597 288 18 Effects of dietary glutamine supplementation on the body composition and protein status of 287 4 early-weaned mice inoculated with Mycobacterium bovis Bacillus Calmette-Guerin. 2011, 3, 792-804 286 Interorgan ammonia metabolism in liver failure: the basis of current and future therapies. 2011, 31, 163-75 92 Alanyl-glutamine restores maternal deprivation-induced TLR4 levels in a rat neonatal model. 2011, 285 10 30, 672-7 Glutamine treatment attenuates the development of organ injury induced by zymosan 284 10 administration in mice. 2011, 658, 28-40 283 Changes in oxidative status in periparturient dairy cows in hot conditions. 2011, 82, 320-4 10 Effects of glutamine on gastrointestinal motor activity in patients following gastric surgery. 2011, 282 12 35, 805-10 281 Glutamine as an immunonutrient. 2011, 52, 892-7 43

| 280 | Effect of intravenous GLutamine supplementation IN Trauma patients receiving enteral nutrition study protocol (GLINT Study): a prospective, blinded, randomised, placebo-controlled clinical trial. <b>2011</b> , 1, e000334   | 9  |
|-----|--|----|
| 279 | Protein hydrolysates and tissue repair. <b>2011</b> , 24, 191-7  | 11 |
| 278 | A.S.P.E.N. position paper: parenteral nutrition glutamine supplementation. <b>2011</b> , 26, 479-94  | 47 |
| 277 | Optimization of glutamine peptide production from soybean meal and analysis of molecular weight distribution of hydrolysates. <b>2012</b> , 13, 7483-95  | 11 |
| 276 | Glutamine randomized studies in early life: the unsolved riddle of experimental and clinical studies. <b>2012</b> , 2012, 749189   | 21 |
| 275 | Evaluation of the effects of a preoperative 2-hour fast with maltodextrine and glutamine on insulin resistance, acute-phase response, nitrogen balance, and serum glutathione after laparoscopic cholecystectomy: a controlled randomized trial. <b>2012</b> , 36, 43-52 | 42 |
| 274 | Glutamine: A novel approach to chemotherapy-induced toxicity. <b>2012</b> , 33, 13-20  | 35 |
| 273 | Glutamine supplementation for young infants with severe gastrointestinal disease. <b>2012</b> , CD005947   | 2  |
| 272 | Glutamine supplementation to prevent morbidity and mortality in preterm infants. 2012, CD001457  | 17 |
| 271 | Protonation and Complexation Equilibria of l-Glutamine in Non-ionic Micellar Medium. <b>2012</b> , 82, 129-136   | 1  |
| 270 | Ameliorative effect of supplementation with L-glutamine on oxidative stress, DNA damage, cell viability and hepatotoxicity induced by 2,3,7,8-tetrachlorodibenzo-p-dioxin in rat hepatocyte cultures. <b>2012</b> , 64, 687-99   | 17 |
| 269 | L-glutamine absorption is enhanced after ingestion of L-alanylglutamine compared with the free amino acid or wheat protein. <b>2012</b> , 32, 272-7  | 27 |
| 268 | Modulatory effect of L-glutamine on 2,3,7,8 tetrachlorodibenzo-p-dioxin-induced liver injury in rats. <b>2012</b> , 28, 663-72   | 5  |
| 267 | Short communication: Glutamine increases autophagy of liver cells in weaned calves. <b>2012</b> , 95, 7336-9   | 1  |
| 266 | Quantitative measurement of changes in calcium channel activity in vivo utilizing dynamic manganese-enhanced MRI (dMEMRI). <b>2012</b> , 60, 392-9   | 6  |
| 265 | Glutamine and Taurine. <b>2012</b> , 25-40   |    |
| 264 | Role of Glutamine in Protection of Intestinal Epithelial Tight Junctions. <b>2012</b> , 5, 47-54   | 61 |
| 263 | Glutamine and leucine provide enhanced protective immunity against mucosal infection with herpes simplex virus type 1. <b>2012</b> , 12, 196-206   | 16 |

### (2014-2012)

| 262         | Randomized clinical trial of glutamine-supplemented versus standard parenteral nutrition in in infants with surgical gastrointestinal disease. <b>2012</b> , 99, 929-38   | 24 |
|-------------|---|----|
| 261         | Effects of adenosine AA receptor activation and alanyl-glutamine in Clostridium difficile toxin-induced ileitis in rabbits and cecitis in mice. <b>2012</b> , 12, 13  | 19 |
| <b>2</b> 60 | The protective effects of glutamine on radiation-induced diarrhea. <b>2013</b> , 21, 1071-5   | 16 |
| 259         | Critical Care Nutrition for Exotic Animals. <b>2013</b> , 22, 163-177   | 7  |
| 258         | Pharmaconutrition review: physiological mechanisms. <b>2013</b> , 37, 51S-65S   | 34 |
| 257         | Development of a complex amino acid supplement, Fatigue Reviva∏for oral ingestion: initial evaluations of product concept and impact on symptoms of sub-health in a group of males. <b>2013</b> , 12, 115   | 18 |
| 256         | Microbial production of amino acids and their derivatives for use in foods, nutraceuticals and medications. <b>2013</b> , 385-412   | 2  |
| 255         | Effects of a single preoperative dose of N(2)-L-alanyl-L-glutamine on insulin resistance and plasma glutathione levels in the early postoperative periodPeer review under responsibility of Egyptian Society of Anesthesiologists.View all notes. <b>2013</b> , 29, 319-324 |    |
| 254         | Glutamine modulates CD8(+) TCR(+) intestinal intraepithelial lymphocyte expression in mice with polymicrobial sepsis. <b>2013</b> , 29, 911-7   | 17 |
| 253         | Benzoic acid and specific 2-oxo acids activate hepatic efflux of glutamate at OAT2. <b>2013</b> , 1828, 491-8   | 10 |
| 252         | Assisted enteral and parenteral feeding. <b>2013</b> , 628-637  | 2  |
| 251         | Response to nutritional support and therapeutic approaches of amino acid and protein metabolism in surgical patients. <b>2013</b> , 28 Suppl 4, 123-30  | 6  |
| 250         | Control of late apoptotic events by the p38 stress kinase in L-glutamine-deprived mouse hybridoma cells. <b>2013</b> , 31, 417-26   | 4  |
| 249         | Alterations in glutamine metabolism and its conversion to citrulline in sepsis. 2013, 304, E1359-64   | 44 |
| 248         | The clinical role of glutamine supplementation in patients with multiple trauma: a narrative review. <b>2013</b> , 41, 24-34  | 14 |
| 247         | Effects of dietary glutamine on the homeostasis of CD4+ T cells in mice with dextran sulfate sodium-induced acute colitis. <b>2014</b> , 9, e84410  | 26 |
| 246         | Glutamine supplementation for young infants with severe gastrointestinal disease. 2014, CD005947  | 6  |
| 245         | Imaging of Tumor Metabolism: MR Spectroscopy. <b>2014</b> , 147-180   | 1  |

| 244 | Glutamine suppresses Hsp72 not Hsp90⊞and is not inducing Th1, Th2, or Th17 cytokine responses in human septic PBMCs. <b>2014</b> , 30, 1185-94  | 27 |
|-----|---|----|
| 243 | The effect of glutamine therapy on outcomes in critically ill patients: a meta-analysis of randomized controlled trials. <b>2014</b> , 18, R8   | 42 |
| 242 | Interactive effects of dietary taurine and glutamine on growth performance, blood parameters and oxidative status of Japanese flounder Paralichthys olivaceus. <b>2014</b> , 434, 348-354                         | 33 |
| 241 | Acidifying and yeast extract in diets for adults cats. <b>2014</b> , 85, 555-61   | 3  |
| 240 | Assessment of early triage for acute radiation injury in rat model based on urinary amino acid target analysis. <b>2014</b> , 10, 1441-9  | 15 |
| 239 | Seventy day safety assessment of an orally ingested, l-glutamine-containing oat and yeast supplement for horses. <b>2014</b> , 70, 304-11   | 3  |
| 238 | Effects of glutamine and asparagine on recombinant antibody production using CHO-GS cell lines. <b>2014</b> , 30, 1457-68   | 16 |
| 237 | Impact of alanyl-glutamine dipeptide on proliferative and inflammatory changes in jejunal mucosa after acute mesenteric ischemia. <b>2014</b> , 49, 1385-9  | 5  |
| 236 | Efficacy of Enteral Supplementation Enriched with Glutamine, Fiber, and Oligosaccharide on Mucosal Injury following Hematopoietic Stem Cell Transplantation. <b>2014</b> , 7, 692-9                               | 45 |
| 235 | Effects of enteral nutrition with parenteral glutamine supplementation on the immunological function in septic rats. <b>2015</b> , 113, 1712-22   | 10 |
| 234 | The anti-aging properties of a human placental hydrolysate combined with dieckol isolated from Ecklonia cava. <b>2015</b> , 15, 345   | 9  |
| 233 | L-glutamine decreases the severity of mucositis induced by chemoradiotherapy in patients with locally advanced head and neck cancer: a double-blind, randomized, placebo-controlled trial. <b>2015</b> , 33, 33-9 | 66 |
| 232 | . <b>2015</b> , 119-134   |    |
| 231 | Neuroprotective effects of Aceglutamide on motor function in a rat model of cerebral ischemia and reperfusion. <b>2015</b> , 33, 741-59   | 11 |
| 230 | Organization of the multiaminoacyl-tRNA synthetase complex and the cotranslational protein folding. <b>2015</b> , 24, 1475-85   | 3  |
| 229 | Targeting amino acid metabolism in cancer growth and anti-tumor immune response. <b>2015</b> , 6, 281-9   | 91 |
| 228 | Sweat facilitated losses of amino acids in Standardbred horses and the application of supplementation strategies to maintain condition during training. <b>2015</b> , 11, 201-212                                 | 5  |
| 227 | Glutamine: an obligatory parenteral nutrition substrate in critical care therapy. <b>2015</b> , 2015, 545467  | 17 |

### (2015-2015)

| 226 | <b>2015</b> , 31, 213-21  | 4   |
|-----|---|-----|
| 225 | Effects of dietary glutamine on survival, growth performance, activities of digestive enzyme, antioxidant status and hypoxia stress resistance of half-smooth tongue sole (Cynoglossus semilaevis GBther) post larvae. <b>2015</b> , 446, 48-56 | 52  |
| 224 | A rapid and underivatized method for the determination of glutamine in human serum with ultra performance liquid chromatography-tandem mass spectrometry and its application. <b>2015</b> , 66, 243-7   | Ο   |
| 223 | Glutamine Supplementation in Multiple Trauma Patients. <b>2015</b> , 181-194  |     |
| 222 | Nitrogen absorbed from the large intestine increases whole-body nitrogen retention in pigs fed a diet deficient in dispensable amino acid nitrogen. <b>2015</b> , 145, 1163-9   | 11  |
| 221 | Intravenous glutamine appears to reduce the severity of symptomatic platinum-induced neuropathy: a prospective randomized study. <b>2015</b> , 27, 235-40   | 4   |
| 220 | Dipeptide-Bound Glutamine and the Intestinal Microcirculation in Sepsis. <b>2015</b> , 383-398  |     |
| 219 | Asparagine synthetase polymorphisms and toxicity and efficacy of asparaginases. <b>2015</b> , 21, 230-2   | 1   |
| 218 | Biological Responses and Proteomic Changes in Maize Seedlings under Nitrogen Deficiency. <b>2015</b> , 33, 490-504  | 13  |
| 217 | Is glutamine deficiency the link between inflammation, malnutrition, and fatigue in cancer patients?. <b>2015</b> , 34, 1258-65   | 19  |
| 216 | Glutamine starvation enhances PCV2 replication via the phosphorylation of p38 MAPK, as promoted by reducing glutathione levels. <b>2015</b> , 46, 32  | 11  |
| 215 | Application of dynamic metabolomics to examine in vivo skeletal muscle glucose metabolism in the chronically high-fat fed mouse. <b>2015</b> , 462, 27-32   | 35  |
| 214 | Glutamine Supplementation in Major Surgery and Intensive Care. <b>2015</b> , 153-168  |     |
| 213 | L-Alanylglutamine inhibits signaling proteins that activate protein degradation, but does not affect proteins that activate protein synthesis after an acute resistance exercise. <b>2015</b> , 47, 1389-98                                     | 10  |
| 212 | Regulation of skeletal muscle protein synthetic and degradative signaling by alanyl-glutamine in piglets challenged with Escherichia coli lipopolysaccharide. <b>2015</b> , 31, 749-56  | 9   |
| 211 | PEPCK Coordinates the Regulation of Central Carbon Metabolism to Promote Cancer Cell Growth. <b>2015</b> , 60, 571-83   | 126 |
| 210 | Effects of glutamine alone on the acute necrotizing pancreatitis in rats. 2015, 193, 161-7  | 7   |
| 209 | Multiple-layered coatings on l-glutamine solid microparticles for the retention during storage and enteric delivery during in vitro digestions. <b>2015</b> , 43, 584-592   | 20  |

| 208 | The Hip Functional Retrieval after Elective Surgery May Be Enhanced by Supplemented Essential Amino Acids. <b>2016</b> , 2016, 9318329  | (   | 6   |
|-----|---|-----|-----|
| 207 | l-glutamine Improves Skeletal Muscle Cell Differentiation and Prevents Myotube Atrophy After Cytokine (TNF-∄Stress Via Reduced p38 MAPK Signal Transduction. <b>2016</b> , 231, 2720-32 | 2   | 29  |
| 206 | Cancer Metabolism. <b>2016</b> , 1-12   |     |     |
| 205 | Glutamine in Alleviation of Radiation-Induced Severe Oral Mucositis: A Meta-Analysis. <b>2016</b> , 68, 734-42  | Ĵ   | 35  |
| 204 | Free amino acids: an innovative treatment for ocular surface disease. <b>2016</b> , 787, 9-19   | J   | 11  |
| 203 | From Krebs to clinic: glutamine metabolism to cancer therapy. <b>2016</b> , 16, 619-34  | 7   | 796 |
| 202 | Glutamine supplementation in enteral or parenteral nutrition for the incidence of mucositis in colorectal cancer. <b>2016</b> ,   |     |     |
| 201 | A phase III study evaluating oral glutamine and transforming growth factor-beta 2 on chemotherapy-induced toxicity in patients with digestive neoplasm. <b>2016</b> , 48, 327-32        | į.  | 5   |
| 200 | Glutamine supplementation to prevent morbidity and mortality in preterm infants. 2016, 4, CD001457  | 2   | 23  |
| 199 | Glutamine for induction of remission in Crohn's disease. <b>2016</b> , 2, CD007348  | 1   | 14  |
| 198 | Glutamine supplementation to prevent morbidity and mortality in preterm infants. 2016, CD001457   | 7   | 7   |
| 197 | A Novel Systems-Biology Algorithm for the Analysis of Coordinated Protein Responses Using Quantitative Proteomics. <b>2016</b> , 15, 1740-60  |     | 48  |
| 196 | Glutamine metabolism in advanced age. <i>Nutrition Reviews</i> , <b>2016</b> , 74, 225-36   | . 3 | 30  |
| 195 | Glutaminolysis as a target for cancer therapy. <b>2016</b> , 35, 3619-25  | 2   | 224 |
| 194 | Glutamine-Loaded Liposomes: Preliminary Investigation, Characterization, and Evaluation of Neutrophil Viability. <b>2016</b> , 17, 446-53   | 2   | 2   |
| 193 | Glutamine dipeptide and cortisol change the liver glucose metabolism and reduce the severity of insulin-induced hypoglycaemia in untreated T1DM Swiss mice. <b>2017</b> , 123, 134-144  | (   | 6   |
| 192 | Both high and low plasma glutamine levels predict mortality in critically ill patients. <b>2017</b> , 47, 1331-1338   | {   | 8   |
| 191 | Hopefully devoted to Q: targeting glutamine addiction in cancer. 2017, 116, 1375-1381   | j   | 56  |

# (2018-2017)

| 190 | May glutamine addiction drive the delivery of antitumor cisplatin-based Pt(IV) prodrugs?. <b>2017</b> , 167, 27-35  | 22  |
|-----|---|-----|
| 189 | Production of l-alanyl-l-glutamine by recycling E. coli expressing ⊞mino acid ester acyltransferase. <b>2017</b> , 245, 1603-1609   | 9   |
| 188 | Evidences for complexations of Eyclodextrin with some amino acids by 1 H NMR, surface tension, volumetric investigations and XRD. <b>2017</b> , 240, 570-577  | 23  |
| 187 | Enzymatic-fluorometric analyses for glutamine, glutamate and free amino groups in protein-free plasma and milk. <b>2017</b> , 84, 32-35   | 11  |
| 186 | Food and Drug Administration Approval of Glutamine for Sickle Cell Disease: Success and Precautions in Glutamine Research. <b>2017</b> , 41, 912-917  | 13  |
| 185 | A glutamine and glutamate mixture and its effects on the hematological and biochemical biomarkers in dogs. <b>2017</b> , 26, 689-695  | 1   |
| 184 | Impact of a Macleaya cordata-derived alkaloid extract on necrotic enteritis in broilers. 2017, 96, 3581-3585  | 10  |
| 183 | Glutamine dipeptide-supplemented parenteral nutrition improves the clinical outcomes of critically ill patients: A systematic evaluation of randomised controlled trials. <b>2017</b> , 17, 75-85   | 41  |
| 182 | The effects of oral glutamine on clinical and survival outcomes of non-small cell lung cancer patients treated with chemoradiotherapy. <b>2017</b> , 36, 1022-1028                                  | 6   |
| 181 | The Roles of Glutamine in the Intestine and Its Implication in Intestinal Diseases. 2017, 18,   | 112 |
| 180 | Activation of the NRF2 antioxidant program generates an imbalance in central carbon metabolism in cancer. <b>2017</b> , 6,  | 109 |
| 179 | Metabolic responses and pathway changes of mammalian cells under different culture conditions with media supplementations. <b>2018</b> , 34, 793-805  | 6   |
| 178 | toxicology of carbon dots by H NMR-based metabolomics. <b>2018</b> , 7, 834-847   | 9   |
| 177 | Dietary L-glutamine supplementation improves growth performance, gut morphology, and serum biochemical indices of broiler chickens during necrotic enteritis challenge. <b>2018</b> , 97, 1334-1341 | 29  |
| 176 | Effect of parenteral glutamine supplementation combined with enteral nutrition on Hsp90 expression and Peyer's patch apoptosis in severely burned rats. <b>2018</b> , 47, 97-103                    | 2   |
| 175 | Enteral/Parenteral Nutrition in Foals and Adult Horses Practical Guidelines for the Practitioner. <b>2018</b> , 34, 169-180   | 6   |
| 174 | The metabolic pathways utilized by Salmonella Typhimurium during infection of host cells. <b>2018</b> , 10, 140-154   | 12  |
| 173 | Dietary glutamine, glutamate and mortality: two large prospective studies in US men and women. <b>2018</b> , 47, 311-320  | 22  |

| 172 | Inhibition of mTOR complexes protects cancer cells from glutamine starvation induced cell death by restoring Akt stability. <b>2018</b> , 1864, 2040-2052  | 6  |
|-----|--|----|
| 171 | Myc requires RhoA/SRF to reprogram glutamine metabolism. <b>2018</b> , 9, 274-282  | 11 |
| 170 | Effects of glutamine, taurine and their association on inflammatory pathway markers in macrophages. <b>2018</b> , 26, 829-838  | 12 |
| 169 | Targeting metabolic abnormalities to reverse fibrosis in iatrogenic laryngotracheal stenosis. <b>2018</b> , 128, E59-E67   | 9  |
| 168 | . <b>2018</b> , 43,  | 3  |
| 167 | Fearful dogs have increased plasma glutamine and Eglutamyl glutamine. <b>2018</b> , 8, 15976   | 10 |
| 166 | Metabolomic identification of diagnostic serum-based biomarkers for advanced stage melanoma. <b>2018</b> , 14, 105   | 9  |
| 165 | Transcriptomic analysis of lung tissues after hUC-MSCs and FTY720 treatment of lipopolysaccharide-induced acute lung injury in mouse models. <b>2018</b> , 63, 26-34   | 16 |
| 164 | Glutaminase-1 stimulates the proliferation, migration, and survival of human endothelial cells. <b>2018</b> , 156, 204-214   | 22 |
| 163 | Glutamine addiction activates polyglutamine-based nanocarriers delivering therapeutic siRNAs to orthotopic lung tumor mediated by glutamine transporter SLC1A5. <b>2018</b> , 183, 77-92   | 20 |
| 162 | Overview of the Development of Glutaminase Inhibitors: Achievements and Future Directions. <b>2019</b> , 62, 1096-1115   | 50 |
| 161 | Changes in the Serum Metabolome of Acute Myocardial Ischemia Rat Pretreatment with Electroacupuncture. <b>2019</b> , 47, 1025-1041   | 10 |
| 160 | Potential therapeutic implications of ergogenic compounds on pathophysiology induced by traumatic brain injury: A narrative review. <b>2019</b> , 233, 116684  | 3  |
| 159 | Toxico-Metabolomics of Engineered Nanomaterials: Progress and Challenges. <b>2019</b> , 29, 1904268  | 12 |
| 158 | Effects of a diet enriched with eicosapentaenoic, docosahexaenoic and glutamine on cytokines as immunological markers for systemic inflammation in bitches before and after ovariohysterectomy. <b>2021</b> , 105 Suppl 2, 79-88 |    |
| 157 | Arterio-venous metabolomics exploration reveals major changes across liver and intestine in the obese Yucatan minipig. <b>2019</b> , 9, 12527  | 7  |
| 156 | Oral glutamine supplementation attenuates inflammation and oxidative stress-mediated skeletal muscle protein content degradation in immobilized rats: Role of 70 kDa heat shock protein. <b>2019</b> , 145, 87-102               | 15 |
| 155 | Warburg and Krebs and related effects in cancer. <b>2019</b> , 21, e4  | 15 |
|     |  |    |

# (2020-2019)

| 154 | Effects of dietary glutamine supplementation on growth performance, antioxidant status and intestinal function in juvenile grass carp (Ctenopharyngodon idella). <b>2019</b> , 25, 609-621 | 11 |
|-----|--|----|
| 153 | Production of L-alanyl-L-glutamine by immobilized Pichia pastoris GS115 expressing ⊞mino acid ester acyltransferase. <b>2019</b> , 18, 27  | 7  |
| 152 | Drinking Warm Water Improves Growth Performance and Optimizes the Gut Microbiota in Early Postweaning Rabbits during Winter. <b>2019</b> , 9,  | 9  |
| 151 | Glutamine, but not Branched-Chain Amino Acids, Restores Intestinal Barrier Function during Activity-Based Anorexia. <b>2019</b> , 11,  | 17 |
| 150 | EFFECTS OF INTRAPERITONEAL GLUTAMINE IN THE TREATMENT OF EXPERIMENTAL SEPSIS. <b>2019</b> , 32, e1431  | 1  |
| 149 | The molecular rationale for therapeutic targeting of glutamine metabolism in pulmonary hypertension. <b>2019</b> , 23, 511-524   | 11 |
| 148 | Glutamine deprivation induces metabolic adaptations associated with beta cell dysfunction and exacerbate lipotoxicity. <b>2019</b> , 491, 110433   | 9  |
| 147 | Glutamine as an Essential Amino Acid for KRas-Driven Cancer Cells. <b>2019</b> , 30, 357-368   | 29 |
| 146 | Deprivation of glutamine in cell culture reveals its potential for treating cancer. <b>2019</b> , 116, 6964-6968   | 13 |
| 145 | The 'Achilles Heel' of Metabolism in Renal Cell Carcinoma: Glutaminase Inhibition as a Rational Treatment Strategy. <b>2019</b> , 3, 15-29   | 32 |
| 144 | Neurometabolite changes in patients with complex regional pain syndrome using magnetic resonance spectroscopy: a pilot study. <b>2019</b> , 30, 108-112                                    | 6  |
| 143 | Interactions in inclusion complex of Etyclodextrin/l-Metheonine: DFT computational studies. <b>2020</b> , 96, 43-54  | 9  |
| 142 | Glutamine deprivation counteracts hypoxia-induced chemoresistance. <b>2020</b> , 22, 22-32   | 11 |
| 141 | Targeting extracellular nutrient dependencies of cancer cells. <b>2020</b> , 33, 67-82   | 23 |
| 140 | A comprehensive insight into the effect of glutamine supplementation on metabolic variables in diabetes mellitus: a systematic review. <b>2020</b> , 17, 80                                | 3  |
| 139 | Gastrointestinal Tolerance of Low, Medium and High Dose Acute Oral l-Glutamine Supplementation in Healthy Adults: A Pilot Study. <b>2020</b> , 12,   | 2  |
| 138 | Short-term in vitro glutamine restriction differentially impacts the chromosomal stability of transformed and non-transformed cells. <b>2020</b> ,   | 1  |
| 137 | Targeting Glutaminolysis: New Perspectives to Understand Cancer Development and Novel Strategies for Potential Target Therapies. <b>2020</b> , 10, 589508                                  | 21 |

| 136 | Intervention and Mechanisms of Alanyl-glutamine for Inflammation, Nutrition, and Enteropathy: A Randomized Controlled Trial. <b>2020</b> , 71, 393-400   | 2   |
|-----|--|-----|
| 135 | Replacing dietary antibiotics with 0.20% l-glutamine and synbiotics following weaning and transport in pigs. <b>2020</b> , 98,   | 2   |
| 134 | Amino acids: key sources for immunometabolites and immunotransmitters. <b>2020</b> , 32, 435-446   | 16  |
| 133 | Glutamine for Amelioration of Radiation and Chemotherapy Associated Mucositis during Cancer Therapy. <b>2020</b> , 12,   | 24  |
| 132 | Dietary modifications for enhanced cancer therapy. <b>2020</b> , 579, 507-517  | 107 |
| 131 | Effectiveness and mechanism study of glutamine on alleviating hypermetabolism in burned rats. <b>2020</b> , 79-80, 110934  | 2   |
| 130 | Application of nutrient essentiality criteria to dietary carbohydrates. 2020, 33, 260-270  | 6   |
| 129 | Computational study of inclusion complex of l-Glutamine/beta-Cycldextrin: Electronic and intermolecular interactions investigations. <b>2020</b> , 1206, 127740  | 10  |
| 128 | Cancer metabolism. <b>2020</b> , 15-52   | 1   |
| 127 | L-Glutamine and Physical Exercise Prevent Intestinal Inflammation and Oxidative Stress Without Improving Gastric Dysmotility in Rats with Ulcerative Colitis. <b>2021</b> , 44, 617-632                    | 6   |
| 126 | Maintaining continuity of nutrient intake after weaning. II. Review of post-weaning strategies. <b>2021</b> , 5, txab022   | O   |
| 125 | A glutamine 'tug-of-war': targets to manipulate glutamine metabolism for cancer immunotherapy. <b>2021</b> , 1, ltab010  | 4   |
| 124 | Effects of dietary supplementation with glutamine and glutamate on the recovery of bitches after ovariohysterectomy due to pyometra. <b>2021</b> , 30, 137-147   |     |
| 123 | Effectiveness of glutamine in the management of oral mucositis in cancer patients: a meta-analysis of randomized controlled trials. <b>2021</b> , 29, 4885-4892  | 2   |
| 122 | Effect of glutamine metabolism on chemoresistance and its mechanism in tumors. <b>2021</b> , 50, 32-40   | 1   |
| 121 | Efficacy of alanyl glutamine in nutritional support therapy for patients with sepsis: A protocol for systematic review and meta-analysis. <b>2021</b> , 100, e24861  | O   |
| 120 | Enrichment effects of fermented by-product of Shochu distillery on Brachionus plicatilis sp. rotifer and larviculture performance in Japanese flounder (Paralichthys olivaceus). <b>2021</b> , 535, 736352 | 1   |
| 119 | Pieces of the Complex Puzzle of Cancer Cell Energy Metabolism: An Overview of Energy Metabolism and Alternatives for Targeted Cancer Therapy. <b>2021</b> , 28, 3514-3534                                  | 1   |

| 118                      | Nutritional considerations to counteract gastrointestinal permeability during exertional heat stress. <b>2021</b> , 130, 1754-1765   | 5            |
|--------------------------|--|--------------|
| 117                      | Effect of various light spectra on amino acids and pigment production of using flat-plate photobioreactor. <b>2021</b> , 1-12  | O            |
| 116                      | Glutamine for prevention and alleviation of radiation-induced oral mucositis in patients with head and neck squamous cell cancer: Systematic review and meta-analysis of controlled trials. <b>2021</b> , 43, 3199-3213  | 2            |
| 115                      | The Prophylactic Effects of Glutamine on Muscle Protein Synthesis and Degradation in Rats with Ethanol-Induced Liver Damage. <b>2021</b> , 13,   | 3            |
| 114                      | Re-examining chemically defined liquid diets through the lens of the microbiome. <b>2021</b> , 18, 903-911   | 0            |
| 113                      | HIF-1-Independent Mechanisms Regulating Metabolic Adaptation in Hypoxic Cancer Cells. 2021, 10,  | 5            |
| 112                      | Pharmacologic approaches to amino acid depletion for cancer therapy. <b>2021</b> ,   | О            |
| 111                      | Physiological impact of in vivo stable isotope tracing on cancer metabolism. <b>2021</b> , 53, 101294  | О            |
| 110                      | Glutamine Supplementation in Multiple Trauma of Critical Care. 2015, 203-218   | 1            |
|                          |  |              |
| 109                      | Medical Foods. <b>1994</b> , 151-179   | 2            |
| 109                      | Medical Foods. <b>1994</b> , 151-179  Protein and amino acid metabolism in human muscle. <b>1998</b> , 441, 307-19   | 54           |
|                          |  |              |
| 108                      | Protein and amino acid metabolism in human muscle. <b>1998</b> , 441, 307-19   | 54           |
| 108                      | Protein and amino acid metabolism in human muscle. <b>1998</b> , 441, 307-19  The metabolism of nutrients. <b>1997</b> , 381-483   | 54<br>1      |
| 108                      | Protein and amino acid metabolism in human muscle. 1998, 441, 307-19  The metabolism of nutrients. 1997, 381-483  Branched Chain Amino Acids and Blood Ammonia. 2015, 101-112  | 54<br>1      |
| 108<br>107<br>106        | Protein and amino acid metabolism in human muscle. 1998, 441, 307-19  The metabolism of nutrients. 1997, 381-483  Branched Chain Amino Acids and Blood Ammonia. 2015, 101-112  Glutathione in Sepsis and Multiple Organ Failure. 2008, 444-453   | 54<br>1<br>1 |
| 108<br>107<br>106<br>105 | Protein and amino acid metabolism in human muscle. 1998, 441, 307-19  The metabolism of nutrients. 1997, 381-483  Branched Chain Amino Acids and Blood Ammonia. 2015, 101-112  Glutathione in Sepsis and Multiple Organ Failure. 2008, 444-453  Glutamine, the Gut, and the Acute Catabolic State. 1996, 103-114 | 54 1 1 1 1   |

| 100                        | What are the essential amino acids for the preterm and term infant?. <b>1996</b> , 278-296  | 7                           |
|----------------------------|---|-----------------------------|
| 99                         | Nutrition and Metabolism in the Critically Ill Child with Cardiac Disease. 2006, 379-403  | 1                           |
| 98                         | Nutritional Support in the Hypermetabolic Patient. <b>1993</b> , 5, 97-103  | 5                           |
| 97                         | A double-blind, placebo-controlled, glutamine-supplementation trial in growth-faltering Gambian infants. <b>2007</b> , 86, 421-7  | 20                          |
| 96                         | Dietary glutamine enhances murine T-lymphocyte responsiveness. <b>1999</b> , 129, 1524-31   | 42                          |
| 95                         | Effects of glutamine supplements and radiochemotherapy on systemic immune and gut barrier function in patients with advanced esophageal cancer. <b>1998</b> , 227, 485-91   | 76                          |
| 94                         | Acute dichloroacetate administration increases skeletal muscle free glutamine concentrations after burn injury. <b>1998</b> , 228, 249-56   | 17                          |
| 93                         | Growth hormone and glutamine do not stimulate intestinal adaptation following massive small bowel resection in the rat. <b>1997</b> , 25, 327-31  | 52                          |
| 92                         | Glutamine-based oral rehydration solutions: the magic bullet revisited?. <b>1998</b> , 26, 533-5  | 8                           |
| 91                         | Double-blind randomized controlled trial of glutamine-enriched polymeric diet in the treatment of   |                             |
| 7-                         | active Crohn's disease. <b>2000</b> , 30, 78-84   | 121                         |
| 90                         | active Crohn's disease. <b>2000</b> , 30, 78-84  Glutamine and arginine: immunonutrients for improved health. <b>2000</b> , 32, S377-88   | 40                          |
|                            |   |                             |
| 90                         | Glutamine and arginine: immunonutrients for improved health. <b>2000</b> , 32, S377-88  | 40                          |
| 90<br>89                   | Glutamine and arginine: immunonutrients for improved health. <b>2000</b> , 32, S377-88  Management of the patient with short bowel syndrome. <b>2000</b> , 11, 604-18   | 40                          |
| 90<br>89<br>88             | Glutamine and arginine: immunonutrients for improved health. <b>2000</b> , 32, S377-88  Management of the patient with short bowel syndrome. <b>2000</b> , 11, 604-18  Glutamine: establishing clinical indications. <b>1999</b> , 2, 177-82  | 40<br>14<br>36              |
| 90<br>89<br>88<br>87       | Glutamine and arginine: immunonutrients for improved health. 2000, 32, S377-88  Management of the patient with short bowel syndrome. 2000, 11, 604-18  Glutamine: establishing clinical indications. 1999, 2, 177-82  Amino acid supplements to improve athletic performance. 1999, 2, 539-44   | 40<br>14<br>36<br>21        |
| 90<br>89<br>88<br>87<br>86 | Glutamine and arginine: immunonutrients for improved health. 2000, 32, S377-88  Management of the patient with short bowel syndrome. 2000, 11, 604-18  Glutamine: establishing clinical indications. 1999, 2, 177-82  Amino acid supplements to improve athletic performance. 1999, 2, 539-44  Glutamine and cancer: cell biology, physiology, and clinical opportunities. 2013, 123, 3678-84 | 40<br>14<br>36<br>21<br>710 |

# (2005-2000)

| 82 | Amino Acids in Swine Nutrition. <b>2000</b> ,   | 3  |
|----|---|----|
| 81 | Glutamine metabolism in very low birth weight infants. <b>1997</b> , 41, 391-6  | 52 |
| 80 | Glutamine provides effective protection against deltamethrin-induced acute hepatotoxicity in rats but not against nephrotoxicity. <b>2015</b> , 21, 1107-14             | 11 |
| 79 | Sweat Facilitated Amino Acid Losses in Male Athletes during Exercise at 32-34°C. <b>2016</b> , 11, e0167844   | 20 |
| 78 | Clinical use of growth hormone and glutamine in short bowel syndrome. <b>1999</b> , 54, 29-34   | 8  |
| 77 | Digestibilidade do extrato de leveduras em frangos de corte. <b>2009</b> , 38, 1969-1973  | 2  |
| 76 | Dietary Amino Acids and Immunonutrition Supplementation in Cancer-Induced Skeletal Muscle Mass Depletion: A Mini-Review. <b>2020</b> , 26, 970-978                      | 14 |
| 75 | Bacterial Eglutamyltranspeptidases, physiological function, structure, catalytic mechanism and application. <b>2020</b> , 96, 440-469                                   | 8  |
| 74 | Enteral nutrition and acute pancreatitis. <b>2001</b> , 7, 185-92   | 19 |
| 73 | Parenteral nutrition: Revisited. <b>2010</b> , 54, 95-103   | 9  |
| 72 | Validation of a HPLC Method for Determination of Glutamine in Food Additives Using Post-Column Derivatization. <b>2012</b> , 03, 113-117                                | 4  |
| 71 | N(2)-L-Alanyl-L-Glutamine Dipeptide Preventing Oxaliplatin-Induced Neurotoxicity in Colorectal Cancer Patients. <b>2016</b> , 07, 609-621                               | 1  |
| 70 | Effects of supplemental glutamine on growth performance, plasma parameters and LPS-induced immune response of weaned barrows after castration. <b>2012</b> , 25, 674-81 | 9  |
| 69 | Metabolic Reprogramming in COVID-19. <b>2021</b> , 22,  | 5  |
| 68 | Modulation of the Hypermetabolic Response After Trauma and Burns. 2000, 322-329   |    |
| 67 | Metabolic Pathways in Trauma. <b>2002</b> , 519-523   |    |
| 66 | Glutamine. <b>2004</b> , 129-145  |    |
| 65 | Acute Pancreatitis. <b>2005</b> , 436-444   |    |

| 64 | Glutamine and Wound Healing. <b>2006</b> , 65-86  |   |
|----|---|---|
| 63 | Parenteral Nutrition. 2007, 1450-1463   |   |
| 62 | Conditionally Essential Amino Acids. <b>2007</b> , 253-295  |   |
| 61 | Immunonutrition: a South African perspective. <b>2012</b> , 25, 94-111  |   |
| 60 | Nutritional Management of Gastroenterocutaneous Fistulas. <b>2013</b> , 199-202   |   |
| 59 | Klistliche Ernlirung. <b>2014</b> , 555-575   |   |
| 58 | GlutamineSupplementation in Multiple Trauma and Critical Illness. 2014, 1-18  |   |
| 57 | Glutamine Parenteral Nutrition in Pneumonia. <b>2014</b> , 1-14   |   |
| 56 | Intestinal fuels: glutamine, short-shain fatty acids, and dietary fiber. <b>1992</b> , 92, 1239-1246  | 3 |
| 55 | Gabexat. <b>1993</b> , 319-399  |   |
| 54 | Nutrient Control of Immune Function. <b>1994</b> , 87-108   |   |
| 53 | Intensivmedizinische Versorgung. <b>1997</b> , 335-389  |   |
| 52 | Glutamine-supplemented Parenteral Nutrition. <b>1999</b> , 195-211  |   |
| 51 | The importance and dosage of amino acids in nutritional support of various pathological conditions in ICU patients. <b>2014</b> , 158, 346-55 |   |
| 50 | Glutamine Parenteral Nutrition in Pneumonia. <b>2015</b> , 1945-1956  |   |
| 49 | Nutrition. <b>2015</b> , 68-84  |   |
| 48 | Sum Up and Future Research. <b>2017</b> , 365-372   |   |
| 47 | Long-Term Regulation of Hepatic Glutaminase and the Urea Cycle Enzymes. 2018, 335-352   |   |

Parenteral Glutamine Supplementation, Is It Optimal or Not?. 2018, 9, 5-10 46 THE INFLUENCE OF NUTRITION ON MUSCLE WASTING IN CRITICALLY ILL PATIENTS TA PILOT 45 STUDY. 2018, 13, 235 Role of Oral Glutamine in Prevention and Treatment of Oral Mucositis in Head and Neck Cancer 44 Patients Receiving Chemoradiation. 8, 5-9 Effect of In Ovo Feeding of L-Glutamine to Chick Embryos. 2019, 21, 43 Age-related decline in metabolite heavy isotope content in rodent organs. 42 A Pilot Study for Investigation of Plasma Amino Acid Profile in Neurofibromatosis Type 1 Patients. 41  $\circ$ 2020, Oral enteral nutrition as a component of maintenance therapy in cancer patients. 2020, 9, 86 40 Nutrition of the Sick Animal. 2020, 1694-1702.e2 39 Physiology and Pathophysiology of ERAS. 2020, 11-22 38 Acute -glutamine supplementation does not improve gastrointestinal permeability, injury or 37 microbial translocation in response to exhaustive high intensity exertional-heat stress. 2021, 1-12 Glutathione in Sepsis and Multiple Organ Failure. 2008, 444-453 36 Jejunostomy after Esophagectomy. 2007, 242-249 MEabolisme intestinal. 2007, 353-365 34 Improving the ORS: does glutamine have a role?. 2007, 25, 263-6 33 Glutamine Supplementation did not Benefit Athletes During Short-Term Weight Reduction. 2003, 32 2, 163-8 Expression of glutaminase is upregulated in colorectal cancer and of clinical significance. 2014, 7, 1093-100 31 47 A glance at the actual role of glutamine metabolism in thyroid tumorigenesis. 2021, 20, 1170-1183 30 1 Circ-CREBBP promotes cell tumorigenesis and glutamine catabolism in glioma by regulating 29 miR-375/glutaminase axis. **2021**, 1775, 147730

| 28 | Metabolomic analysis of amino acids and organic acids in aging mouse eyes using gas chromatography-tandem mass spectrometry <b>2021</b> , e5298  | О |
|----|--|---|
| 27 | Advancing Cancer Treatment by Targeting Glutamine Metabolism-A Roadmap 2022, 14,   | 6 |
| 26 | No protective benefits of low dose acute L-glutamine supplementation on small intestinal permeability, epithelial injury and bacterial translocation biomarkers in response to subclinical exertional-heat stress: A Randomized cross-over trial. 1-15 | О |
| 25 | Autophagy Modulation and Cancer Combination Therapy: A Smart Approach in Cancer Therapy <b>2022</b> , 30, 100512   | 4 |
| 24 | Regulation of Ferroptosis by Amino Acid Metabolism in Cancer <b>2022</b> , 18, 1695-1705   | 1 |
| 23 | Targeting fuel pocket of cancer cell metabolism: A focus on glutaminolysis <b>2022</b> , 198, 114943   | 1 |
| 22 | Strategies to Mitigate Chemotherapy and Radiation Toxicities That Affect Eating 2021, 13,  | Ο |
| 21 | Nutrition Management in Patients With Traumatic Brain Injury: A Narrative Review. 2022, 15,  |   |
| 20 | The emerging role of deubiquitylating enzymes as therapeutic targets in cancer metabolism <b>2022</b> , 22, 130  |   |
| 19 | The potential roles of amino acids and their major derivatives in the management of multiple sclerosis <b>2022</b> , 1   |   |
| 18 | Diet digestibility and palatability and intestinal fermentative products in dogs fed yeast extract. <b>2022</b> , 21, 802-810  | Ο |
| 17 | Amino acids, ammonia, and hepatic encephalopathy <b>2022</b> , 114696  | 2 |
| 16 | L-glutamine for sickle cell disease: more than reducing redox 2022, 1  | O |
| 15 | Glutamine Availability Regulates the Development of Aging Mediated by mTOR Signaling and Autophagy. 13,  | O |
| 14 | Low Baseline Plasma L-Glutamine Concentration Identifies Hepatocellular Carcinoma Patients at High Risk of Developing Early Gastrointestinal Adverse Events during Sorafenib Treatment. <b>2022</b> , 4, 141-152                                       |   |
| 13 | Characterisation of LC-MS-based low molecular weight compounds and fatty acids of four wild edible mushrooms. <b>2021</b> , 28, 1009-1019  |   |
| 12 | Immunological effects of glutamine supplementation in polytrauma patients in intensive care unit. <b>2022</b> , 2,   | О |
| 11 | Cancer Metabolism. 1-14  | O |

#### CITATION REPORT

| 10 | Food as Medicine in Context of COVID 19: Concept of Rainbow Diet. 289-298  | 0 |
|----|--|---|
| 9  | Establishing a glutamine metabolism-based model for predicting the prognosis of low-grade glioma. 13,  | Ο |
| 8  | Plasma Amino Acids in Horses Suffering from Pituitary Pars Intermedia Dysfunction. <b>2022</b> , 12, 3315  | 0 |
| 7  | Hydrolyzed whey protein enriched with glutamine dipeptide attenuates skeletal muscle damage and improves physical exhaustion test performance in triathletes. 4,                   | O |
| 6  | Effect of Glutamine Administration After Cardiac Surgery on Kidney Damage in Patients at High Risk for Acute Kidney Injury: A Randomized Controlled Trial. Publish Ahead of Print, | 0 |
| 5  | Acquired disorders of mitochondrial metabolism and dynamics in pulmonary arterial hypertension. 11,  | O |
| 4  | Electrochemically polymerized glutamine-activated graphite paste surface as a green biosensor for sensitive catechol detection in water samples. <b>2023</b> , 34,                 | O |
| 3  | Immobilization of E. coli expressing Eglutamyltranspeptidase on its surface for Eglutamyl compound production. <b>2023</b> , 13,   | o |
| 2  | Rethinking glutamine metabolism and the regulation of glutamine addiction by oncogenes in cancer. 13,  | О |
| 1  | The Influence of Alcohol Consumption on Intestinal Nutrient Absorption: A Comprehensive Review. <b>2023</b> , 15, 1571   | O |