# Sergio A Burgos

List of Publications by Year
in descending order



| 34 | 732 | 566801 15 | 552369 26 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 34 | 34 | 34 | 934 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Nutrient availability and lactogenic hormones regulate mammary protein synthesis through the mammalian target of rapamycin signaling pathway. Journal of Dairy Science, 2010, 93, 153-161. | 1.4 | 98 |
| 2 | IGF-1 stimulates protein synthesis by enhanced signaling through mTORC1 in bovine mammary epithelial cells. Domestic Animal Endocrinology, 2010, 38, 211-221. | 0.8 | 73 |
| 3 | Prediction of Ammonia Emission from Dairy Cattle Manure Based on Milk Urea Nitrogen: Relation of Milk Urea Nitrogen to Urine Urea Nitrogen Excretion. Journal of Dairy Science, 2007, 90, 5499-5508. | 1.4 | 68 |
| 4 | In vivo genome-wide CRISPR screen reveals breast cancer vulnerabilities and synergistic mTOR/Hippo targeted combination therapy. Nature Communications, 2021, 12, 3055. | 5.8 | 55 |
| 5 | CDK4 regulates cancer stemness and is a novel therapeutic target for triple-negative breast cancer. Scientific Reports, 2016, 6, 35383. | 1.6 | 50 |
| 6 | Prediction of ammonia emission from dairy cattle manure based on milk urea nitrogen: Relation of milk urea nitrogen to ammonia emissions. Journal of Dairy Science, 2010, 93, 2377-2386. | 1.4 | 47 |
| 7 | Protein Anabolic Responses to a Fed Steady State in Healthy Aging. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2011, 66A, 681-688. | 1.7 | 44 |
| 8 | Energy Depletion of Bovine Mammary Epithelial Cells Activates AMPK and Suppresses Protein Synthesis Through Inhibition of mTORC1 Signaling. Hormone and Metabolic Research, 2013, 45, 183-189. | 0.7 | 30 |
| 9 | Consumption of Milk and Alternatives and Their Contribution to Nutrient Intakes among Canadian Adults: Evidence from the 2015 Canadian Community Health Surveyâ€"Nutrition. Nutrients, 2019, 11, 1948. | 1.7 | 30 |
| 10 | Carbon footprint of Canadian self-selected diets: Comparing intake of foods, nutrients, and diet quality between low- and high-greenhouse gas emission diets. Journal of Cleaner Production, 2021, 316, 128245. | 4.6 | 28 |
| 11 | Ammonia volatilization potential: Prediction of urinary urea nitrogen output in lactating dairy cows. Agriculture, Ecosystems and Environment, 2005, 111, 261-269. | 2.5 | 23 |
| 12 | Protein consumption in Canadian habitual diets: usual intake, inadequacy, and the contribution of animal- and plant-based foods to nutrient intakes. Applied Physiology, Nutrition and Metabolism, 2021, 46, 501-510. | 0.9 | 21 |
| 13 | Differential Regulation of Cancer Progression by CDK4/6 Plays a Central Role in DNA Replication and Repair Pathways. Cancer Research, 2021, 81, 1332-1346. | 0.4 | 20 |
| 14 | Protein and glucose metabolic responses to hyperinsulinemia, hyperglycemia, and hyperaminoacidemia in obese men. Obesity, 2015, 23, 351-358. | 1.5 | 19 |
| 15 | AMP-activated protein kinase controls lipid and lactose synthesis in bovine mammary epithelial cells. Journal of Dairy Science, 2020, 103, 340-351. | 1.4 | 19 |
| 16 | Hyperaminoacidaemia at postprandial levels does not modulate glucose metabolism in type 2 diabetes mellitus. Diabetologia, 2011, 54, 1810-1818. | 2.9 | 18 |
| 17 | CRISPR-Cas9-mediated knockout of GCN2 reveals a critical role in sensing amino acid deprivation in bovine mammary epithelial cells. Journal of Dairy Science, 2021, 104, 1123-1135. | 1.4 | 12 |
| 18 | Avian Influenza Outbreaks in Southeast Asia Affects Prices, Markets and Trade: A Short Case Study. International Journal of Poultry Science, 2007, 6, 1006-1009. | 0.6 | 11 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Short communication: Urea hydrolysis in dairy cattle manure under different temperature, urea, and pH conditions. Journal of Dairy Science, 2017, 100, 2388-2394. | 1.4 | 10 |
| 20 | Role of Grb10 in mTORC1-dependent regulation of insulin signaling and action in human skeletal muscle cells. American Journal of Physiology - Endocrinology and Metabolism, 2020, 318, E173-E183. | 1.8 | 10 |
| 21 | Insulin resistance of protein anabolism accompanies that of glucose metabolism in lean, glucose-tolerant offspring of persons with type 2 diabetes. BMJ Open Diabetes Research and Care, 2016, 4, e000312. | 1.2 | 7 |
| 22 | Effect of feeding system and grain source on lactation characteristics and milk components in dairy cattle. Journal of Dairy Science, 2018, 101, 8572-8585. | 1.4 | 7 |
| 23 | Vitamin Deficiency-Induced Neurological Diseases of Poultry. International Journal of Poultry Science, 2006, 5, 804-807. | 0.6 | 6 |
| 24 | Environmental Approaches to Poultry Feed Formulation and Management. International Journal of Poultry Science, 2006, 5, 900-904. | 0.6 | 6 |
| 25 | Influence of Exotic Bird and Wildlife Trade on Avian Influenza Transmission Dynamics: Animal-Human Interface. International Journal of Poultry Science, 2007, 6, 535-538. | 0.6 | 6 |
| 26 | Reports of Avian Influenza H5N1 in Cats and Dogs. International Journal of Poultry Science, 2007, 6, 1003-1005. | 0.6 | 3 |
| 27 | Refocusing and Reshaping of Highly Pathogenic Avian Influenza Preventive Strategies in Rural Settings. International Journal of Poultry Science, 2007, 6, 527-530. | 0.6 | 3 |
| 28 | The Role of Chickens in Vitamin Discoveries. International Journal of Poultry Science, 2006, 5, 704-707. | 0.6 | 2 |
| 29 | Selenium Sources Affect Protein Concentration, Thioredoxin Reductase Activity and Selected Production Parameters in Reovirus Infected Broiler Chickens. International Journal of Poultry Science, 2006, 5, 822-829. | 0.6 | 2 |
| 30 | The role of dairy fat on cardiometabolic health: what is the current state of knowledge?. Canadian Journal of Animal Science, 2019, 99, 429-441. | 0.7 | 1 |
| 31 | National Vaccination Campaigns Against Highly Pathogenic Avian Influenza Outbreaks in Developing Nations. International Journal of Poultry Science, 2007, 6, 531-534. | 0.6 | 1 |
| 32 | Influenza A Viruses in Poultry: A Condensed Review. International Journal of Poultry Science, 2007, 6, 705-708. | 0.6 | 1 |
| 33 | HPAI H5N1 in Europe 2007: Poultry and Wild Birds. International Journal of Poultry Science, 2007, 7, 97-100. | 0.6 | 1 |
| 34 | Acute hyperaminoacidemia does not suppress insulin-mediated glucose turnover in healthy young men. Applied Physiology, Nutrition and Metabolism, 2021, 46, 397-403. | 0.9 | 0 |