# Jesus M Porres

List of Publications by Year
in descending order



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|---|---|---|---|
| 75 papers | 1,925 citations | 279487<br>23 h-index | 288905<br>40 g-index |
| 77 all docs | 77 docs citations | 77 times ranked | 2133 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | In vitro evidence of the antitumor capacity of <i>Solanaceae</i> and <i>Cucurbitaceae</i> in colon cancer: A systematic review. Critical Reviews in Food Science and Nutrition, 2022, 62, 6293-6314. | 5.4 | 5 |
| 2 | Carbohydrates digestibility and faecal microbiota composition in rats fed diets based on raw or fermented Vigna unguiculata seed meal as the only protein source. , 2022, 1, 100022. | | 3 |
| 3 | In Vivo Nutritional Assessment of the Microalga Nannochloropsis gaditana and Evaluation of the Antioxidant and Antiproliferative Capacity of Its Functional Extracts. Marine Drugs, 2022, 20, 318. | 2.2 | 8 |
| 4 | Bioavailability and biotransformation of linolenic acid from basil seed oil as a novel source of omega-3 fatty acids tested on a rat experimental model. Food and Function, 2022, 13, 7614-7628. | 2.1 | 3 |
| 5 | Exploring Honeybee Abdominal Anatomy through Micro-CT and Novel Multi-Staining Approaches. Insects, 2022, 13, 556. | 1.0 | 4 |
| 6 | Caloric restriction, physical exercise, and CB1 receptor blockade as an efficient combined strategy for bodyweight control and cardiometabolic status improvement in male rats. Scientific Reports, 2021, 11, 4286. | 1.6 | 5 |
| 7 | Antitumor Effect of the Ethanolic Extract from Seeds of Euphorbia lathyris in Colorectal Cancer. Nutrients, 2021, 13, 566. | 1.7 | 15 |
| 8 | Anemonia sulcata and Its Symbiont Symbiodinium as a Source of Anti-Tumor and Anti-Oxidant Compounds for Colon Cancer Therapy: A Preliminary In Vitro Study. Biology, 2021, 10, 134. | 1.3 | 5 |
| 9 | Antioxidant and antiproliferative potential of ethanolic extracts from Moringa oleifera, Tropaeolum tuberosum and Annona cherimola in colorrectal cancer cells. Biomedicine and Pharmacotherapy, 2021, 143, 112248. | 2.5 | 11 |
| 10 | A combined healthy strategy for successful weight loss, weight maintenance and improvement of hepatic lipid metabolism. Journal of Nutritional Biochemistry, 2020, 85, 108456. | 1.9 | 7 |
| 11 | Germination Improves the Polyphenolic Profile and Functional Value of Mung Bean (Vigna radiata L.). Antioxidants, 2020, 9, 746. | 2.2 | 17 |
| 12 | Natural Fermentation of Cowpea (Vigna unguiculata) Flour Improves the Nutritive Utilization of Indispensable Amino Acids and Phosphorus by Growing Rats. Nutrients, 2020, 12, 2186. | 1.7 | 11 |
| 13 | The combined treatment with lentil protein hydrolysate and a mixed training protocol is an efficient lifestyle intervention to manage cardiovascular and renal alterations in obese Zucker rats. European Journal of Nutrition, 2020, 59, 3473-3490. | 1.8 | 6 |
| 14 | Aerobic interval exercise improves renal functionality and affects mineral metabolism in obese Zucker rats. American Journal of Physiology - Renal Physiology, 2019, 316, F90-F100. | 1.3 | 9 |
| 15 | Effects of a combined intervention with a lentil protein hydrolysate and a mixed training protocol on the lipid metabolism and hepatic markers of NAFLD in Zucker rats. Food and Function, 2018, 9, 830-850. | 2.1 | 21 |
| 16 | Fecal fermentation products of common bean-derived fiber inhibit C/EBPÎ± and PPARÎ³ expression and lipid accumulation but stimulate PPARÎ´ and UCP2 expression in the adipogenesis of 3T3-L1 cells. Journal of Nutritional Biochemistry, 2018, 60, 9-15. | 1.9 | 10 |
| 17 | Effects of Hypertrophy Exercise in Bone Turnover Markers and Structure in Growing Male Rats. International Journal of Sports Medicine, 2017, 38, 418-425. | 0.8 | 0 |
| 18 | Efectos del ejercicio aerÃ³bico intervÃ¡lico, combinado con entrenamiento de fuerza y de la restricciÃ³n calÃ³rica, sobre la composiciÃ³n corporal de ratas obesas. Revista Andaluza De Medicina Del Deporte, 2017, 10, 3-8. | 0.1 | 0 |

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|---|---|---|---|
| 19 | The Combined Intervention with Germinated Vigna radiata and Aerobic Interval Training Protocol Is an Effective Strategy for the Treatment of Non-Alcoholic Fatty Liver Disease (NAFLD) and Other Alterations Related to the Metabolic Syndrome in Zucker Rats. Nutrients, 2017, 9, 774. | 1.7 | 14 |
| 20 | Effects of a moderately high-protein diet and interval aerobic training combined with strength-endurance exercise on markers of bone metabolism, microarchitecture and turnover in obese Zucker rats. Bone, 2016, 92, 116-123. | 1.4 | 2 |
| 21 | Medicago sativa L., a functional food to relieve hypertension and metabolic disorders in a spontaneously hypertensive rat model. Journal of Functional Foods, 2016, 26, 470-484. | 1.6 | 16 |
| 22 | Beneficial effects of legumes on parameters of the metabolic syndrome: a systematic review of trials in animal models. British Journal of Nutrition, 2016, 116, 402-424. | 1.2 | 22 |
| 23 | Effects of interval aerobic training combined with strength exercise on body composition, glycaemic and lipid profile and aerobic capacity of obese rats. Journal of Sports Sciences, 2016, 34, 1452-1460. | 1.0 | 17 |
| 24 | Stanozolol Decreases Bone Turnover Markers, Increases Mineralization, and Alters Femoral Geometry in Male Rats. Calcified Tissue International, 2016, 98, 609-618. | 1.5 | 1 |
| 25 | High-intensity Exercise Modifies the Effects of Stanozolol on Brain Oxidative Stress in Rats. International Journal of Sports Medicine, 2015, 36, 984-991. | 0.8 | 13 |
| 26 | Aerobic interval exercise improves parameters of nonalcoholic fatty liver disease (NAFLD) and other alterations of metabolic syndrome in obese Zucker rats. Applied Physiology, Nutrition and Metabolism, 2015, 40, 1242-1252. | 0.9 | 28 |
| 27 | Co-inoculation of Halomonas maura and Ensifer meliloti to improve alfalfa yield in saline soils. Applied Soil Ecology, 2015, 87, 81-86. | 2.1 | 28 |
| 28 | Improvement of the antioxidant and hypolipidaemic effects of cowpea flours (<i>Vigna) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 387 Td (u the Science of Food and Agriculture, 2015, 95, 1207-1216. | 1.7 | 54 |
| 29 | Efectos de un protocolo de entrenamiento de alta intensidad sobre marcadores fisiolÃ³gicos de estrÃ©s en ratas. [Physiological effects of the stress induced by a high-intensity exercise protocol in rats].. RICYDE Revista Internacional De Ciencias Del Deporte, 2015, 11, 145-162. | 0.1 | 0 |
| 30 | Synthesis of [77Se]-methylselenocysteine when preparing sauerkraut in the presence of [77Se]-selenite. Metabolic transformation of [77Se]-methylselenocysteine in Wistar rats determined by LCâ€“IDAâ€“ICPâ€“MS. Analytical and Bioanalytical Chemistry, 2014, 406, 7949-7958. | 1.9 | 6 |
| 31 | High-Intensity Exercise May Compromise Renal Morphology in Rats. International Journal of Sports Medicine, 2014, 35, 639-644. | 0.8 | 5 |
| 32 | Effects of the amount and source of dietary protein on bone status in rats. Food and Function, 2014, 5, 716. | 2.1 | 4 |
| 33 | Whey Versus Soy Protein Diets and Renal Status in Rats. Journal of Medicinal Food, 2014, 17, 1011-1016. | 0.8 | 4 |
| 34 | High-protein diet induces oxidative stress in rat brain: protective action of high-intensity exercise against lipid peroxidation. Nutricion Hospitalaria, 2014, 31, 866-74. | 0.2 | 12 |
| 35 | Novel effects of the cannabinoid inverse agonist AM 251 on parameters related to metabolic syndrome in obese Zucker rats. Metabolism: Clinical and Experimental, 2013, 62, 1641-1650. | 1.5 | 17 |
| 36 | Health promoting effects of Lupin (Lupinus albus var. multolupa) protein hydrolyzate and insoluble fiber in a diet-induced animal experimental model of hypercholesterolemia. Food Research International, 2013, 54, 1471-1481. | 2.9 | 30 |

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| 37 | Ergogenic effects of quercetin supplementation in trained rats. Journal of the International Society of Sports Nutrition, 2013, 10, 3. | 1.7 | 21 |
| 38 | Selenium, Selenoproteins, and Age-Related Disorders. , 2013, , 227-239. | | 2 |
| 39 | Legumes, Genome Maintenance, and Optimal Health. , 2013, , 321-334. | | 0 |
| 40 | Effects of the dietary amount and source of protein, resistance training and anabolic-androgenic steroids on body weight and lipid profile of rats. Nutricion Hospitalaria, 2013, 28, 127-36. | 0.2 | 14 |
| 41 | High-protein diets and renal status in rats. Nutricion Hospitalaria, 2013, 28, 232-7. | 0.2 | 28 |
| 42 | Changes on metabolic parameters induced by acute cannabinoid administration (CBD, THC) in a rat experimental model of nutritional vitamin A deficiency. Nutricion Hospitalaria, 2013, 28, 857-67. | 0.2 | 2 |
| 43 | Effects of high-whey-protein intake and resistance training on renal, bone and metabolic parameters in rats. British Journal of Nutrition, 2011, 105, 836-845. | 1.2 | 45 |
| 44 | Spatial-temporal parameters of gait in women with fibromyalgia. Clinical Rheumatology, 2009, 28, 595-598. | 1.0 | 45 |
| 45 | Influence of intracerebroventricular or intraperitoneal administration of cannabinoid receptor agonist (WIN 55,212-2) and inverse agonist (AM 251) on the regulation of food intake and hypothalamic serotonin levels. British Journal of Nutrition, 2009, 101, 1569. | 1.2 | 29 |
| 46 | Effects of hydroalcoholic Î±-galactoside extraction and phytase supplementation on the nutritive utilization of manganese, iron, zinc and potassium from lupin (Lupinus albus var. multolupa)-based diets in growing rats. Food Chemistry, 2008, 109, 554-563. | 4.2 | 3 |
| 47 | Phytase: Source, Structure and Application. , 2007, , 505-529. | | 56 |
| 48 | Nitrogen Fractions and Mineral Content in Different Lupin Species (<i>Lupinus albus</i>, <i>Lupinus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf Journal of Agricultural and Food Chemistry, 2007, 55, 7445-7452. | 2.4 | 11 |
| 49 | Effect of treatment with Î±-galactosidase, tannase or a cell-wall-degrading enzyme complex on the nutritive utilisation of protein and carbohydrates from pea (Pisum sativum L.) flour. Journal of the Science of Food and Agriculture, 2007, 87, 1356-1363. | 1.7 | 9 |
| 50 | Improvement in food intake and nutritive utilization of protein from Lupinus albus var. multolupa protein isolates supplemented with ascorbic acid. Food Chemistry, 2007, 103, 944-951. | 4.2 | 15 |
| 51 | Improvement of iron availability from phytase-treated Pisum sativum, L. flour. Food Chemistry, 2007, 103, 389-395. | 4.2 | 7 |
| 52 | Effect of phytic acid degradation by soaking and exogenous phytase on the bioavailability of magnesium and zinc from Pisum sativum, L.. European Food Research and Technology, 2007, 226, 105-111. | 1.6 | 4 |
| 53 | Nutritional Value. , 2007, , 47-93. | | 21 |
| 54 | Nutritional evaluation of protein, phosphorus, calcium and magnesium bioavailability from lupin (Lupinus albus var. multolupa)-based diets in growing rats: effect of Î±-galactoside oligosaccharide extraction and phytase supplementation. British Journal of Nutrition, 2006, 95, 1102-1111. | 1.2 | 16 |

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| 55 | Evaluation of zinc and magnesium bioavailability from pea (Pisum sativum, L.) sprouts. Effect of illumination and different germination periods. International Journal of Food Science and Technology, 2006, 41, 618-626. | 1.3 | 24 |
| 56 | Shifting the pH Profile of Aspergillus niger PhyA Phytase To Match the Stomach pH Enhances Its Effectiveness as an Animal Feed Additive. Applied and Environmental Microbiology, 2006, 72, 4397-4403. | 1.4 | 77 |
| 57 | Effects of germination on the composition and nutritive value of proteins in , L. Food Chemistry, 2005, 93, 671-679. | 4.2 | 49 |
| 58 | Nutritional assessment of raw and germinated pea (Pisum sativum L.) protein and carbohydrate by in vitro and in vivo techniques. Nutrition, 2005, 21, 230-239. | 1.1 | 63 |
| 59 | Nutritional Potential of Raw and Free Î±-Galactosides Lupin (Lupinus albus Var. multolupa) Seed Flours. Effect of Phytase Treatment on Nitrogen and Mineral Dialyzability. Journal of Agricultural and Food Chemistry, 2005, 53, 3088-3094. | 2.4 | 25 |
| 60 | Bioavailability of phytic acidâ€“phosphorus and magnesium from lentils (Lens culinaris m.) in growing rats: Influence of thermal treatment and vitamin-mineral supplementation. Nutrition, 2004, 20, 794-799. | 1.1 | 13 |
| 61 | Bioavailability of calcium and magnesium from faba beans(Vicia faba L varmajor), soaked in different pH solutions and cooked, in growing rats. Journal of the Science of Food and Agriculture, 2004, 84, 1514-1520. | 1.7 | 8 |
| 62 | Phytase enzymology, applications, and biotechnology. Biotechnology Letters, 2003, 25, 1787-1794. | 1.1 | 183 |
| 63 | Effect of Heat Treatment and Mineral and Vitamin Supplementation on the Nutritive Use of Protein and Calcium From Lentils (Lens culinaris M.) in Growing Rats. Nutrition, 2003, 19, 451-456. | 1.1 | 16 |
| 64 | Nutritional Evaluation of Pea (Pisum sativumL.) Protein Diets after Mild Hydrothermal Treatment and with and without Added Phytase. Journal of Agricultural and Food Chemistry, 2003, 51, 2415-2420. | 2.4 | 37 |
| 65 | Effect of Natural and Controlled Fermentation on Chemical Composition and Nutrient Dialyzability from Beans (Phaseolus vulgarisL.). Journal of Agricultural and Food Chemistry, 2003, 51, 5144-5149. | 2.4 | 26 |
| 66 | Site-directed mutagenesis of Aspergillus niger NRRL 3135 phytase at residue 300 to enhance catalysis at pH 4.0. Biochemical and Biophysical Research Communications, 2002, 297, 1016-1020. | 1.0 | 59 |
| 67 | Digestive utilisation of protein and amino acids from raw and heated lentils by growing rats. Journal of the Science of Food and Agriculture, 2002, 82, 1740-1747. | 1.7 | 30 |
| 68 | Functional expression of keratinase (kerA) gene from Bacillus licheniformis in Pichia pastoris. Biotechnology Letters, 2002, 24, 631-636. | 1.1 | 29 |
| 69 | Comparative impacts of glutathione peroxidase-1 gene knockout on oxidative stress induced by reactive oxygen and nitrogen species in mouse hepatocytes. Biochemical Journal, 2001, 359, 687. | 1.7 | 16 |
| 70 | Comparative impacts of glutathione peroxidase-1 gene knockout on oxidative stress induced by reactive oxygen and nitrogen species in mouse hepatocytes. Biochemical Journal, 2001, 359, 687-695. | 1.7 | 26 |
| 71 | Papel del Ã¡cido fÃtico en las legumbres. Journal of Physiology and Biochemistry, 2000, 56, 283-294. | 1.3 | 216 |
| 72 | Knockout of cellular glutathione peroxidase gene renders mice susceptible to diquat-induced oxidative stress. Free Radical Biology and Medicine, 1999, 27, 605-611. | 1.3 | 118 |

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|---|---|---|---|
| 73 | Dietary Intrinsic Phytate Protects Colon from Lipid Peroxidation in Pigs with a Moderately High Dietary Iron Intake. Proceedings of the Society for Experimental Biology and Medicine, 1999, 221, 80-86. | 2.0 | 53 |
| 74 | Ca and P bioavailability of processed lentils as affected by dietary fiber and phytic acid content. Nutrition Research, 1999, 19, 49-64. | 1.3 | 18 |
| 75 | Different Sensitivity of RecombinantAspergillus nigerPhytase (r-PhyA) andEscherichia colipH 2.5 Acid Phosphatase (r-AppA) to Trypsin and Pepsinin Vitro. Archives of Biochemistry and Biophysics, 1999, 365, 262-267. | 1.4 | 93 |