

Jesus M Porres

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/314317/publications.pdf>

Version: 2024-02-01

75
papers

1,925
citations

279487

23
h-index

288905

40
g-index

77
all docs

77
docs citations

77
times ranked

2133
citing authors

#	ARTICLE	IF	CITATIONS
1	Papel del Ácido fático en las legumbres. <i>Journal of Physiology and Biochemistry</i> , 2000, 56, 283-294.	1.3	216
2	Phytase enzymology, applications, and biotechnology. <i>Biotechnology Letters</i> , 2003, 25, 1787-1794.	1.1	183
3	Knockout of cellular glutathione peroxidase gene renders mice susceptible to diquat-induced oxidative stress. <i>Free Radical Biology and Medicine</i> , 1999, 27, 605-611.	1.3	118
4	Different Sensitivity of Recombinant <i>Aspergillus niger</i> Phytase (r-PhyA) and <i>Escherichia coli</i> pH 2.5 Acid Phosphatase (r-AppA) to Trypsin and Pepsin in Vitro. <i>Archives of Biochemistry and Biophysics</i> , 1999, 365, 262-267.	1.4	93
5	Shifting the pH Profile of <i>Aspergillus niger</i> PhyA Phytase To Match the Stomach pH Enhances Its Effectiveness as an Animal Feed Additive. <i>Applied and Environmental Microbiology</i> , 2006, 72, 4397-4403.	1.4	77
6	Nutritional assessment of raw and germinated pea (<i>Pisum sativum</i> L.) protein and carbohydrate by in vitro and in vivo techniques. <i>Nutrition</i> , 2005, 21, 230-239.	1.1	63
7	Site-directed mutagenesis of <i>Aspergillus niger</i> NRRL 3135 phytase at residue 300 to enhance catalysis at pH 4.0. <i>Biochemical and Biophysical Research Communications</i> , 2002, 297, 1016-1020.	1.0	59
8	Phytase: Source, Structure and Application. , 2007, , 505-529.		56
9	Improvement of the antioxidant and hypolipidaemic effects of cowpea flours (<i>Vigna) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 504 the Science of Food and Agriculture, 2015, 95, 1207-1216.	1.7	54
10	Dietary Intrinsic Phytate Protects Colon from Lipid Peroxidation in Pigs with a Moderately High Dietary Iron Intake. <i>Proceedings of the Society for Experimental Biology and Medicine</i> , 1999, 221, 80-86.	2.0	53
11	Effects of germination on the composition and nutritive value of proteins in , L. <i>Food Chemistry</i> , 2005, 93, 671-679.	4.2	49
12	Spatial-temporal parameters of gait in women with fibromyalgia. <i>Clinical Rheumatology</i> , 2009, 28, 595-598.	1.0	45
13	Effects of high-whey-protein intake and resistance training on renal, bone and metabolic parameters in rats. <i>British Journal of Nutrition</i> , 2011, 105, 836-845.	1.2	45
14	Nutritional Evaluation of Pea (<i>Pisum sativum</i> L.) Protein Diets after Mild Hydrothermal Treatment and with and without Added Phytase. <i>Journal of Agricultural and Food Chemistry</i> , 2003, 51, 2415-2420.	2.4	37
15	Digestive utilisation of protein and amino acids from raw and heated lentils by growing rats. <i>Journal of the Science of Food and Agriculture</i> , 2002, 82, 1740-1747.	1.7	30
16	Health promoting effects of Lupin (<i>Lupinus albus</i> var. multolupa) protein hydrolyzate and insoluble fiber in a diet-induced animal experimental model of hypercholesterolemia. <i>Food Research International</i> , 2013, 54, 1471-1481.	2.9	30
17	Functional expression of keratinase (<i>kerA</i>) gene from <i>Bacillus licheniformis</i> in <i>Pichia pastoris</i> . <i>Biotechnology Letters</i> , 2002, 24, 631-636.	1.1	29
18	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. <i>British Journal of Nutrition</i> , 2009, 101, 1569.	1.2	29

#	ARTICLE	IF	CITATIONS
19	Aerobic interval exercise improves parameters of nonalcoholic fatty liver disease (NAFLD) and other alterations of metabolic syndrome in obese Zucker rats. <i>Applied Physiology, Nutrition and Metabolism</i> , 2015, 40, 1242-1252.	0.9	28
20	Co-inoculation of <i>Halomonas maura</i> and <i>Ensifer meliloti</i> to improve alfalfa yield in saline soils. <i>Applied Soil Ecology</i> , 2015, 87, 81-86.	2.1	28
21	High-protein diets and renal status in rats. <i>Nutricion Hospitalaria</i> , 2013, 28, 232-7.	0.2	28
22	Comparative impacts of glutathione peroxidase-1 gene knockout on oxidative stress induced by reactive oxygen and nitrogen species in mouse hepatocytes. <i>Biochemical Journal</i> , 2001, 359, 687-695.	1.7	26
23	Effect of Natural and Controlled Fermentation on Chemical Composition and Nutrient Dialyzability from Beans (<i>Phaseolus vulgaris</i> L.). <i>Journal of Agricultural and Food Chemistry</i> , 2003, 51, 5144-5149.	2.4	26
24	Nutritional Potential of Raw and Free Î±-Galactosides Lupin (<i>Lupinus albus</i> Var. <i>multolupa</i>) Seed Flours. Effect of Phytase Treatment on Nitrogen and Mineral Dialyzability. <i>Journal of Agricultural and Food Chemistry</i> , 2005, 53, 3088-3094.	2.4	25
25	Evaluation of zinc and magnesium bioavailability from pea (<i>Pisum sativum</i> , L.) sprouts. Effect of illumination and different germination periods. <i>International Journal of Food Science and Technology</i> , 2006, 41, 618-626.	1.3	24
26	Beneficial effects of legumes on parameters of the metabolic syndrome: a systematic review of trials in animal models. <i>British Journal of Nutrition</i> , 2016, 116, 402-424.	1.2	22
27	Ergogenic effects of quercetin supplementation in trained rats. <i>Journal of the International Society of Sports Nutrition</i> , 2013, 10, 3.	1.7	21
28	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. <i>Food and Function</i> , 2018, 9, 830-850.	2.1	21
29	Nutritional Value. , 2007, , 47-93.		21
30	Ca and P bioavailability of processed lentils as affected by dietary fiber and phytic acid content. <i>Nutrition Research</i> , 1999, 19, 49-64.	1.3	18
31	Novel effects of the cannabinoid inverse agonist AM 251 on parameters related to metabolic syndrome in obese Zucker rats. <i>Metabolism: Clinical and Experimental</i> , 2013, 62, 1641-1650.	1.5	17
32	Effects of interval aerobic training combined with strength exercise on body composition, glycaemic and lipid profile and aerobic capacity of obese rats. <i>Journal of Sports Sciences</i> , 2016, 34, 1452-1460.	1.0	17
33	Germination Improves the Polyphenolic Profile and Functional Value of Mung Bean (<i>Vigna radiata</i> L.). <i>Antioxidants</i> , 2020, 9, 746.	2.2	17
34	Comparative impacts of glutathione peroxidase-1 gene knockout on oxidative stress induced by reactive oxygen and nitrogen species in mouse hepatocytes. <i>Biochemical Journal</i> , 2001, 359, 687.	1.7	16
35	Effect of Heat Treatment and Mineral and Vitamin Supplementation on the Nutritive Use of Protein and Calcium From Lentils (<i>Lens culinaris</i> M.) in Growing Rats. <i>Nutrition</i> , 2003, 19, 451-456.	1.1	16
36	Nutritional evaluation of protein, phosphorus, calcium and magnesium bioavailability from lupin (<i>Lupinus albus</i> var. <i>multolupa</i>)-based diets in growing rats: effect of Î±-galactoside oligosaccharide extraction and phytase supplementation. <i>British Journal of Nutrition</i> , 2006, 95, 1102-1111.	1.2	16

#	ARTICLE	IF	CITATIONS
37	Medicago sativa L., a functional food to relieve hypertension and metabolic disorders in a spontaneously hypertensive rat model. <i>Journal of Functional Foods</i> , 2016, 26, 470-484.	1.6	16
38	Improvement in food intake and nutritive utilization of protein from <i>Lupinus albus</i> var. multolupa protein isolates supplemented with ascorbic acid. <i>Food Chemistry</i> , 2007, 103, 944-951.	4.2	15
39	Antitumor Effect of the Ethanolic Extract from Seeds of <i>Euphorbia lathyris</i> in Colorectal Cancer. <i>Nutrients</i> , 2021, 13, 566.	1.7	15
40	The Combined Intervention with Germinated <i>Vigna radiata</i> 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. <i>Nutrients</i> , 2017, 9, 774.	1.7	14
41	Effects of the dietary amount and source of protein, resistance training and anabolic-androgenic steroids on body weight and lipid profile of rats. <i>Nutricion Hospitalaria</i> , 2013, 28, 127-36.	0.2	14
42	Bioavailability of phytic acid phosphorus and magnesium from lentils (<i>Lens culinaris</i> m.) in growing rats: Influence of thermal treatment and vitamin-mineral supplementation. <i>Nutrition</i> , 2004, 20, 794-799.	1.1	13
43	High-intensity Exercise Modifies the Effects of Stanozolol on Brain Oxidative Stress in Rats. <i>International Journal of Sports Medicine</i> , 2015, 36, 984-991.	0.8	13
44	High-protein diet induces oxidative stress in rat brain: protective action of high-intensity exercise against lipid peroxidation. <i>Nutricion Hospitalaria</i> , 2014, 31, 866-74.	0.2	12
45	Nitrogen Fractions and Mineral Content in Different Lupin Species (<i>Lupinus albus</i> , <i>Lupinus</i>) <i>Tj ETQq1 1 0.784314 rgBT /Over</i> <i>Journal of Agricultural and Food Chemistry</i> , 2007, 55, 7445-7452.	2.4	11
46	Natural Fermentation of Cowpea (<i>Vigna unguiculata</i>) Flour Improves the Nutritive Utilization of Indispensable Amino Acids and Phosphorus by Growing Rats. <i>Nutrients</i> , 2020, 12, 2186.	1.7	11
47	Antioxidant and antiproliferative potential of ethanolic extracts from <i>Moringa oleifera</i> , <i>Tropaeolum tuberosum</i> and <i>Annona cherimola</i> in colorectal cancer cells. <i>Biomedicine and Pharmacotherapy</i> , 2021, 143, 112248.	2.5	11
48	Fecal fermentation products of common bean-derived fiber inhibit C/EBP β and PPAR β expression and lipid accumulation but stimulate PPAR γ and UCP2 expression in the adipogenesis of 3T3-L1 cells. <i>Journal of Nutritional Biochemistry</i> , 2018, 60, 9-15.	1.9	10
49	Effect of treatment with α -galactosidase, tannase or a cell-wall-degrading enzyme complex on the nutritive utilisation of protein and carbohydrates from pea (<i>Pisum sativum</i> L.) flour. <i>Journal of the Science of Food and Agriculture</i> , 2007, 87, 1356-1363.	1.7	9
50	Aerobic interval exercise improves renal functionality and affects mineral metabolism in obese Zucker rats. <i>American Journal of Physiology - Renal Physiology</i> , 2019, 316, F90-F100.	1.3	9
51	Bioavailability of calcium and magnesium from faba beans (<i>Vicia faba</i> L. var major), soaked in different pH solutions and cooked, in growing rats. <i>Journal of the Science of Food and Agriculture</i> , 2004, 84, 1514-1520.	1.7	8
52	In Vivo Nutritional Assessment of the Microalga <i>Nannochloropsis gaditana</i> and Evaluation of the Antioxidant and Antiproliferative Capacity of Its Functional Extracts. <i>Marine Drugs</i> , 2022, 20, 318.	2.2	8
53	Improvement of iron availability from phytase-treated <i>Pisum sativum</i> , L. flour. <i>Food Chemistry</i> , 2007, 103, 389-395.	4.2	7
54	A combined healthy strategy for successful weight loss, weight maintenance and improvement of hepatic lipid metabolism. <i>Journal of Nutritional Biochemistry</i> , 2020, 85, 108456.	1.9	7

#	ARTICLE	IF	CITATIONS
55	Synthesis of [77Se]-methylselenocysteine when preparing sauerkraut in the presence of [77Se]-selenite. Metabolic transformation of [77Se]-methylselenocysteine in Wistar rats determined by LC-IDA-ICP-MS. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 7949-7958.	1.9	6
56	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. <i>European Journal of Nutrition</i> , 2020, 59, 3473-3490.	1.8	6
57	High-Intensity Exercise May Compromise Renal Morphology in Rats. <i>International Journal of Sports Medicine</i> , 2014, 35, 639-644.	0.8	5
58	Caloric restriction, physical exercise, and CB1 receptor blockade as an efficient combined strategy for bodyweight control and cardiometabolic status improvement in male rats. <i>Scientific Reports</i> , 2021, 11, 4286.	1.6	5
59	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. <i>Biology</i> , 2021, 10, 134.	1.3	5
60	In vitro evidence of the antitumor capacity of <i>Solanaceae</i> and <i>Cucurbitaceae</i> in colon cancer: A systematic review. <i>Critical Reviews in Food Science and Nutrition</i> , 2022, 62, 6293-6314.	5.4	5
61	Effect of phytic acid degradation by soaking and exogenous phytase on the bioavailability of magnesium and zinc from <i>Pisum sativum</i> , L. <i>European Food Research and Technology</i> , 2007, 226, 105-111.	1.6	4
62	Effects of the amount and source of dietary protein on bone status in rats. <i>Food and Function</i> , 2014, 5, 716.	2.1	4
63	Whey Versus Soy Protein Diets and Renal Status in Rats. <i>Journal of Medicinal Food</i> , 2014, 17, 1011-1016.	0.8	4
64	Exploring Honeybee Abdominal Anatomy through Micro-CT and Novel Multi-Staining Approaches. <i>Insects</i> , 2022, 13, 556.	1.0	4
65	Effects of hydroalcoholic \pm -galactoside extraction and phytase supplementation on the nutritive utilization of manganese, iron, zinc and potassium from lupin (<i>Lupinus albus</i> var. multolupa)-based diets in growing rats. <i>Food Chemistry</i> , 2008, 109, 554-563.	4.2	3
66	Carbohydrates digestibility and faecal microbiota composition in rats fed diets based on raw or fermented <i>Vigna unguiculata</i> seed meal as the only protein source. , 2022, 1, 100022.		3
67	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. <i>Food and Function</i> , 2022, 13, 7614-7628.	2.1	3
68	Selenium, Selenoproteins, and Age-Related Disorders. , 2013, , 227-239.		2
69	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. <i>Bone</i> , 2016, 92, 116-123.	1.4	2
70	Changes on metabolic parameters induced by acute cannabinoid administration (CBD, THC) in a rat experimental model of nutritional vitamin A deficiency. <i>Nutricion Hospitalaria</i> , 2013, 28, 857-67.	0.2	2
71	Stanozolol Decreases Bone Turnover Markers, Increases Mineralization, and Alters Femoral Geometry in Male Rats. <i>Calcified Tissue International</i> , 2016, 98, 609-618.	1.5	1
72	Legumes, Genome Maintenance, and Optimal Health. , 2013, , 321-334.		0

#	ARTICLE	IF	CITATIONS
73	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
74	Efectos del ejercicio aeróbico interválico, combinado con entrenamiento de fuerza y de la restricción calórica, sobre la composición corporal de ratas obesas. Revista Andaluza De Medicina Del Deporte, 2017, 10, 3-8.	0.1	0
75	Efectos de un protocolo de entrenamiento de alta intensidad sobre marcadores fisiológicos de estrés 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