

Alfonso Clemente

List of Publications by Year in descending order

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Version: 2024-02-01

78
papers

5,735
citations

94269

37
h-index

82410

72
g-index

82
all docs

82
docs citations

82
times ranked

5814
citing authors

#	ARTICLE	IF	CITATIONS
1	INFOGEST static in vitro simulation of gastrointestinal food digestion. <i>Nature Protocols</i> , 2019, 14, 991-1014.	5.5	1,873
2	Enzymatic protein hydrolysates in human nutrition. <i>Trends in Food Science and Technology</i> , 2000, 11, 254-262.	7.8	399
3	The Tomato NBARC-LRR Protein Prf Interacts with Pto Kinase in Vivo to Regulate Specific Plant Immunity. <i>Plant Cell</i> , 2006, 18, 2792-2806.	3.1	239
4	Protein isolates from chickpea (<i>Cicer arietinum</i> L.): chemical composition, functional properties and protein characterization. <i>Food Chemistry</i> , 1999, 64, 237-243.	4.2	227
5	2S Albumin Storage Proteins: What Makes them Food Allergens?. <i>The Open Biochemistry Journal</i> , 2008, 2, 16-28.	0.3	180
6	The harmonized INFOGEST in vitro digestion method: From knowledge to action. <i>Food Research International</i> , 2016, 88, 217-225.	2.9	180
7	Partially hydrolyzed rapeseed protein isolates with improved functional properties. <i>JAOCS, Journal of the American Oil Chemists' Society</i> , 2000, 77, 447-450.	0.8	155
8	Protein quality of chickpea (<i>Cicer arietinum</i> L.) protein hydrolysates. <i>Food Chemistry</i> , 1999, 67, 269-274.	4.2	103
9	Characterization of pea (<i>Pisum sativum</i>) seed protein fractions. <i>Journal of the Science of Food and Agriculture</i> , 2014, 94, 280-287.	1.7	92
10	Monomer and Linkage Type of Galacto-Oligosaccharides Affect Their Resistance to Ileal Digestion and Prebiotic Properties in Rats. <i>Journal of Nutrition</i> , 2012, 142, 1232-1239.	1.3	87
11	Production and characterization of an extensive rapeseed protein hydrolysate. <i>JAOCS, Journal of the American Oil Chemists' Society</i> , 1999, 76, 819-823.	0.8	81
12	The cytotoxic effect of Bowman-Birk isoinhibitors, IBB1 and IBBD2, from soybean (<i>Glycine max</i>) on HT29 human colorectal cancer cells is related to their intrinsic ability to inhibit serine proteases. <i>Molecular Nutrition and Food Research</i> , 2010, 54, 396-405.	1.5	78
13	Bowman-Birk inhibitors from legumes as colorectal chemopreventive agents. <i>World Journal of Gastroenterology</i> , 2014, 20, 10305.	1.4	78
14	Effect of cooking on protein quality of chickpea (<i>Cicer arietinum</i>) seeds. <i>Food Chemistry</i> , 1998, 62, 1-6.	4.2	70
15	Pea (<i>Pisum sativum</i> L.) Protease Inhibitors from the Bowman-Birk Class Influence the Growth of Human Colorectal Adenocarcinoma HT29 Cells in Vitro. <i>Journal of Agricultural and Food Chemistry</i> , 2005, 53, 8979-8986.	2.4	70
16	Factors affecting their in vitro protein digestibility of chickpea albumins. <i>Journal of the Science of Food and Agriculture</i> , 2000, 80, 79-84.	1.7	68
17	Production of Extensive Chickpea (<i>Cicer arietinum</i> L.) Protein Hydrolysates with Reduced Antigenic Activity. <i>Journal of Agricultural and Food Chemistry</i> , 1999, 47, 3776-3781.	2.4	66
18	Biological Significance of Polymorphism in Legume Protease Inhibitors from the Bowman-Birk Family. <i>Current Protein and Peptide Science</i> , 2006, 7, 201-216.	0.7	66

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19	Pea (<i>Pisum sativum</i> L.) seed albumin extracts show anti-inflammatory effect in the DSS model of mouse colitis. <i>Molecular Nutrition and Food Research</i> , 2015, 59, 807-819.	1.5	66
20	A Galacto-Oligosaccharides Preparation Derived From Lactulose Protects Against Colorectal Cancer Development in an Animal Model. <i>Frontiers in Microbiology</i> , 2018, 9, 2004.	1.5	66
21	Galacto-oligosaccharides Derived from Lactulose Exert a Selective Stimulation on the Growth of <i>Bifidobacterium animalis</i> in the Large Intestine of Growing Rats. <i>Journal of Agricultural and Food Chemistry</i> , 2013, 61, 7560-7567.	2.4	61
22	The anti-proliferative effect of TI1B, a major Bowman-Birk inhibitor from pea (<i>Pisum</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 627 Nutrition, 2012, 108, S135-S144.	1.2	59
23	Peptide characteristics of sunflower protein hydrolysates. <i>JAOCS, Journal of the American Oil Chemists' Society</i> , 1999, 76, 1455-1460.	0.8	58
24	Beneficial effects of legumes in gut health. <i>Current Opinion in Food Science</i> , 2017, 14, 32-36.	4.1	56
25	One-year calorie restriction impacts gut microbial composition but not its metabolic performance in obese adolescents. <i>Environmental Microbiology</i> , 2017, 19, 1536-1551.	1.8	54
26	Uptake of 2S Albumin Allergens, Ber e 1 and Ses i 1, across Human Intestinal Epithelial Caco-2 Cell Monolayers. <i>Journal of Agricultural and Food Chemistry</i> , 2006, 54, 8631-8639.	2.4	53
27	Bowman-Birk inhibitors in lentil: Heterologous expression, functional characterisation and anti-proliferative properties in human colon cancer cells. <i>Food Chemistry</i> , 2010, 120, 1058-1066.	4.2	51
28	Bowman-Birk Inhibitors from Legumes and Human Gastrointestinal Health: Current Status and Perspectives. <i>Current Protein and Peptide Science</i> , 2011, 12, 358-373.	0.7	51
29	Characterization of goat colostrum oligosaccharides by nano-liquid chromatography on chip quadrupole time-of-flight mass spectrometry and hydrophilic interaction liquid chromatography-quadrupole mass spectrometry. <i>Journal of Chromatography A</i> , 2016, 1428, 143-153.	1.8	48
30	Biogenesis of Off-Odor in Broccoli Storage under Low-Oxygen Atmosphere. <i>Journal of Agricultural and Food Chemistry</i> , 1995, 43, 1310-1313.	2.4	47
31	Characterization of galactooligosaccharides derived from lactulose. <i>Journal of Chromatography A</i> , 2011, 1218, 7691-7696.	1.8	47
32	Purification and Partial Characterization of Chickpea 2S Albumin. <i>Journal of Agricultural and Food Chemistry</i> , 1999, 47, 1405-1409.	2.4	43
33	Use of phytochemomics to evaluate the bioavailability and bioactivity of antioxidant peptides of soybean β -conglycinin. <i>Electrophoresis</i> , 2014, 35, 1582-1589.	1.3	42
34	Production of an extensive sunflower protein hydrolysate by sequential hydrolysis with endo- and exo-proteases. <i>Grasas Y Aceites</i> , 1999, 50, 472-476.	0.3	40
35	Chemical composition of extracted dried olive pomaces containing two and three phases. <i>Food Biotechnology</i> , 1997, 11, 273-291.	0.6	39
36	Use of the indirect competitive ELISA for the detection of Brazil nut in food products. <i>Food Control</i> , 2004, 15, 65-69.	2.8	39

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37	Active Bowman-Birk inhibitors survive gastrointestinal digestion at the terminal ileum of pigs fed chickpea-based diets. <i>Journal of the Science of Food and Agriculture</i> , 2008, 88, 513-521.	1.7	38
38	The protective role of the Bowman-Birk protease inhibitor in soybean lunasin digestion: the effect of released peptides on colon cancer growth. <i>Food and Function</i> , 2015, 6, 2626-2635.	2.1	38
39	Digestibility and immunoreactivity of soybean β^2 -conglycinin and its deglycosylated form. <i>Food Chemistry</i> , 2011, 129, 1598-1605.	4.2	37
40	Eliminating Anti-Nutritional Plant Food Proteins: The Case of Seed Protease Inhibitors in Pea. <i>PLoS ONE</i> , 2015, 10, e0134634.	1.1	37
41	The effect of variation within inhibitory domains on the activity of pea protease inhibitors from the Bowman-Birk class. <i>Protein Expression and Purification</i> , 2004, 36, 106-114.	0.6	32
42	Changes in Caprine Milk Oligosaccharides at Different Lactation Stages Analyzed by High Performance Liquid Chromatography Coupled to Mass Spectrometry. <i>Journal of Agricultural and Food Chemistry</i> , 2017, 65, 3523-3531.	2.4	32
43	Purification and Characterization of Broad Bean Lipoyxygenase Isoenzymes. <i>Journal of Agricultural and Food Chemistry</i> , 2000, 48, 1070-1075.	2.4	31
44	Assessment of the lupin seed glucose-lowering protein intestinal absorption by using in vitro and ex vivo models. <i>Food Chemistry</i> , 2011, 125, 1279-1283.	4.2	31
45	Polar lipids of defatted chickpea (<i>Cicer arietinum</i> L.) flour and protein isolates. <i>Food Chemistry</i> , 1998, 63, 357-361.	4.2	30
46	Healthy effects of prebiotics and their metabolites against intestinal diseases and colorectal cancer. <i>AIMS Microbiology</i> , 2015, 1, 48-71.	1.0	30
47	Effect of processing on water absorption and softening kinetics in chickpea (<i>Cicer arietinum</i> L.) seeds. <i>Journal of the Science of Food and Agriculture</i> , 1998, 78, 169-174.	1.7	29
48	Comparative Study of Chickpea and Pea Pa2 Albumins. <i>Journal of Agricultural and Food Chemistry</i> , 1998, 46, 3609-3613.	2.4	27
49	Sunflower protein hydrolysates for dietary treatment of patients with liver failure. <i>JAOCS, Journal of the American Oil Chemists' Society</i> , 2000, 77, 121-126.	0.8	27
50	Anti-carcinogenic soyabean Bowman-Birk inhibitors survive faecal fermentation in their active form and do not affect the microbiota composition in vitro. <i>British Journal of Nutrition</i> , 2009, 101, 967-971.	1.2	27
51	Narrow-Leafed Lupin (<i>Lupinus angustifolius</i> L.) Seeds Gamma-Conglutin is an Anti-Inflammatory Protein Promoting Insulin Resistance Improvement and Oxidative Stress Amelioration in PANC-1 Pancreatic Cell-Line. <i>Antioxidants</i> , 2020, 9, 12.	2.2	23
52	Dogs™ Microbiome From Tip to Toe. <i>Topics in Companion Animal Medicine</i> , 2021, 45, 100584.	0.4	16
53	Interaction of Chickpea (<i>Cicer arietinum</i> L.) Legumin with Oxidized Linoleic Acid. <i>Journal of Agricultural and Food Chemistry</i> , 1999, 47, 813-818.	2.4	14
54	Relationship between Glycation and Polyphenol Content and the Bioactivity of Selected Commercial Soy Milks. <i>Journal of Agricultural and Food Chemistry</i> , 2016, 64, 1823-1830.	2.4	14

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55	Editorial: Legumes for Global Food Security. <i>Frontiers in Plant Science</i> , 2020, 11, 926.	1.7	14
56	Obtención y caracterización de aislados proteicos de colza. <i>Grasas Y Aceites</i> , 1997, 48, 282-289.	0.3	14
57	Effect of Alcalase [®] on olive pomace protein extraction. <i>JAOCS, Journal of the American Oil Chemists' Society</i> , 2000, 77, 181-185.	0.8	13
58	Prebiotic Properties of Non-Fructosylated β -Galactooligosaccharides from PEA (<i>Pisum sativum</i> L.) Using Infant Fecal Slurries. <i>Foods</i> , 2020, 9, 921.	1.9	13
59	Recovery at the terminal ileum of some legume non-nutritional factors in cannulated pigs. <i>Journal of the Science of Food and Agriculture</i> , 2006, 86, 979-987.	1.7	12
60	Quantitative determination of active Bowman-Birk isoinhibitors, IBB1 and IBBD2, in commercial soymilks. <i>Food Chemistry</i> , 2014, 155, 24-30.	4.2	12
61	Aspectos de las legumbres nutricionales y beneficiosos para la salud humana. <i>Arbor</i> , 2016, 192, a313.	0.1	10
62	A Pea (<i>Pisum sativum</i> L.) Seed Vicilins Hydrolysate Exhibits PPAR β Ligand Activity and Modulates Adipocyte Differentiation in a 3T3-L1 Cell Culture Model. <i>Foods</i> , 2020, 9, 793.	1.9	10
63	<i>In vivo</i> (rat) and <i>in vitro</i> (Caco-2 cells) absorption of amino acids from legume protein isolates as compared to lactalbumin or casein. <i>Archives of Animal Nutrition</i> , 2009, 63, 413-426.	0.9	9
64	Bowman-Birk Inhibitors from Legumes: Utilisation in Disease Prevention and Therapy. , 0, , .		9
65	Narrow-leafed lupin (<i>Lupinus angustifolius</i> L.) seed β -conglutins reverse the induced insulin resistance in pancreatic cells. <i>Food and Function</i> , 2018, 9, 5176-5188.	2.1	9
66	Introduction to the Special Issue: Legumes as Food Ingredient: Characterization, Processing, and Applications. <i>Foods</i> , 2020, 9, 1525.	1.9	9
67	Glycation affects differently the main soybean Bowman-Birk isoinhibitors, IBB1 and IBBD2, altering their antiproliferative properties against HT29 colon cancer cells. <i>Food and Function</i> , 2019, 10, 6193-6202.	2.1	8
68	Obtention and uses of protein hydrolysates. <i>Grasas Y Aceites</i> , 2001, 52, .	0.3	8
69	Neutral lipids of chickpea flour and protein isolates. <i>JAOCS, Journal of the American Oil Chemists' Society</i> , 1998, 75, 851-855.	0.8	7
70	ORIGINAL ARTICLE: Molecular size distribution affects portal absorption rate of casein amino acids in rats. <i>Journal of Animal Physiology and Animal Nutrition</i> , 2010, 94, e145-e153.	1.0	6
71	Preliminary study on the effect of early life treatment to kids with an antimethanogenic additive. <i>Proceedings of the Nutrition Society</i> , 2011, 70, .	0.4	1
72	Effect of processing on water absorption and softening kinetics in chickpea (<i>Cicer arietinum</i> L) seeds. , 1998, 78, 169.		1

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73	Alcalase Rapeseed Inhibitors: Purification and Partial Characterization. Journal of Enzyme Inhibition and Medicinal Chemistry, 2001, 16, 81-87.	0.5	0
74	The effect of variation within inhibitory domains on the activity of pea protease inhibitors from the Bowman-Birk class. Protein Expression and Purification, 2004, 36, 106-106.	0.6	0
75	Analysis of the early life treatment to kids with a halogenated methane analogue additive on immunoglobulin G levels. Proceedings of the Nutrition Society, 2013, 72, .	0.4	0
76	6th International Conference on Food Digestion. Food Research International, 2021, 144, 110354.	2.9	0
77	Anticarcinogenic Properties of Plant Protease Inhibitors from the Bowman-Birk Class. , 2003, , 429-431.		0
78	A Protocol for Minimal Single Protein Labeling with CyDye Fluors for Live Cell Internalization Assays. , 0, , .		0