

Pedro Araújo

List of Publications by Year in descending order

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Version: 2024-02-01

55
papers

1,650
citations

394286

19
h-index

289141

40
g-index

57
all docs

57
docs citations

57
times ranked

2537
citing authors

#	ARTICLE	IF	CITATIONS
1	Key aspects of analytical method validation and linearity evaluation. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2009, 877, 2224-2234.	1.2	320
2	Modulation of nutrient composition of black soldier fly (<i>Hermetia illucens</i>) larvae by feeding seaweed-enriched media. PLoS ONE, 2017, 12, e0183188.	1.1	271
3	UCP1 Induction during Recruitment of Brown Adipocytes in White Adipose Tissue Is Dependent on Cyclooxygenase Activity. PLoS ONE, 2010, 5, e11391.	1.1	174
4	Evaluation of a rapid method for the quantitative analysis of fatty acids in various matrices. Journal of Chromatography A, 2008, 1212, 106-113.	1.8	96
5	Uptake of heavy metals and arsenic in black soldier fly (<i>Hermetia illucens</i>) larvae grown on seaweed-enriched media. Journal of the Science of Food and Agriculture, 2018, 98, 2176-2183.	1.7	62
6	Determination and Structural Elucidation of Triacylglycerols in Krill Oil by Chromatographic Techniques. Lipids, 2014, 49, 163-172.	0.7	53
7	Cytokine gene expression and prostaglandin production in head kidney leukocytes isolated from Atlantic cod (<i>Gadus morhua</i>) added different levels of arachidonic acid and eicosapentaenoic acid. Fish and Shellfish Immunology, 2013, 34, 770-777.	1.6	47
8	Epidermis-Type Lipoyxygenase 3 Regulates Adipocyte Differentiation and Peroxisome Proliferator-Activated Receptor β Activity. Molecular and Cellular Biology, 2010, 30, 4077-4091.	1.1	45
9	A co culture approach show that polyamine turnover is affected during inflammation in Atlantic salmon immune and liver cells and that arginine and LPS exerts opposite effects on p38MAPK signaling. Fish and Shellfish Immunology, 2014, 37, 286-298.	1.6	40
10	Dietary eicosapentaenoic acid supplementation accentuates hepatic triglyceride accumulation in mice with impaired fatty acid oxidation capacity. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2013, 1831, 291-299.	1.2	39
11	Pathogen recognition and mechanisms in Atlantic cod (<i>Gadus morhua</i>) head kidney cells. Fish and Shellfish Immunology, 2012, 33, 267-276.	1.6	30
12	Apparent availability of zinc, selenium and manganese as inorganic metal salts or organic forms in plant-based diets for Atlantic salmon (<i>Salmo salar</i>). Aquaculture, 2019, 503, 562-570.	1.7	30
13	Elucidation of triacylglycerols in cod liver oil by liquid chromatography electrospray tandem ion-trap mass spectrometry. Talanta, 2010, 82, 1261-1270.	2.9	29
14	Doehlert uniform shell designs and chromatography. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2012, 910, 14-21.	1.2	28
15	The Effect of Omega-3 and Omega-6 Polyunsaturated Fatty Acids on the Production of Cyclooxygenase and Lipoyxygenase Metabolites by Human Umbilical Vein Endothelial Cells. Nutrients, 2019, 11, 966.	1.7	25
16	Experimental design considerations in quantification experiments by using the internal standard technique: Cholesterol determination by gas chromatography as a case study. Journal of Chromatography A, 2006, 1121, 99-105.	1.8	24
17	Statistical power and analytical quantification. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2007, 847, 305-308.	1.2	23
18	Discrimination of Rich Oils by Gas Chromatography. Lipids, 2010, 45, 1147-1158.	0.7	22

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19	A comparative study: Difference in omega-6/omega-3 balance and saturated fat in diets for Atlantic salmon (<i>Salmo salar</i>) affect immune-, fat metabolism-, oxidative and apoptotic-gene expression, and eicosanoid secretion in head kidney leukocytes. <i>Fish and Shellfish Immunology</i> , 2018, 72, 57-68.	1.6	22
20	A new high performance liquid chromatography multifactor methodology for systematic and simultaneous optimisation of the gradient solvent system and the instrumental/experimental variables. <i>TrAC - Trends in Analytical Chemistry</i> , 2000, 19, 524-529.	5.8	19
21	Optimisation of an extraction method for the determination of prostaglandin E2 in plasma using experimental design and liquid chromatography tandem mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2006, 830, 212-217.	1.2	18
22	Combining eicosapentaenoic acid, decosahexaenoic acid and arachidonic acid, using a fully crossed design, affect gene expression and eicosanoid secretion in salmon head kidney cells <i>in vitro</i> . <i>Fish and Shellfish Immunology</i> , 2015, 45, 695-703.	1.6	17
23	Hierarchical classification designs for the estimation of different sources of variability in proficiency testing experiments. <i>Analytica Chimica Acta</i> , 2006, 555, 348-353.	2.6	16
24	Direct determination of serotonin in gut lavage fluid by liquid chromatographic ion trap tandem mass spectrometry. <i>Talanta</i> , 2008, 75, 466-472.	2.9	16
25	Application of Doehlert uniform shell designs for selecting optimal amounts of internal standards in the analysis of prostaglandins and leukotrienes by liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2012, 1260, 102-110.	1.8	16
26	Increasing the dietary n-6/n-3 ratio alters the hepatic eicosanoid production after acute stress in Atlantic salmon (<i>Salmo salar</i>). <i>Aquaculture</i> , 2021, 534, 736272.	1.7	14
27	A novel strategy for discriminating marine oils by using the positional distribution (sn-1, sn-2, sn-3) of omega-3 polyunsaturated fatty acids in triacylglycerols. <i>Talanta</i> , 2018, 182, 32-37.	2.9	12
28	Unbound DHA causes a high blank value in 12 C-oxidation assay: a concern for <i>in vitro</i> studies. <i>European Journal of Lipid Science and Technology</i> , 2010, 112, 333-342.	1.0	9
29	The impact of exogenous ω -6 and ω -3 polyunsaturated fatty acids on the induced production of pro- and anti-inflammatory prostaglandins and leukotrienes in Atlantic salmon head kidney cells using a full factorial design and LC-MS/MS. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2014, 964, 164-171.	1.2	9
30	Fatty Acid Reference Intervals in Red Blood Cells among Pregnant Women in Norway-Cross Sectional Data from the "Little in Norway" Cohort. <i>Nutrients</i> , 2020, 12, 2950.	1.7	9
31	Development and validation of an extraction method for the determination of pro-inflammatory eicosanoids in human plasma using liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2014, 1353, 57-64.	1.8	8
32	A simple liquid extraction protocol for overcoming the ion suppression of triacylglycerols by phospholipids in liquid chromatography mass spectrometry studies. <i>Talanta</i> , 2016, 148, 463-471.	2.9	8
33	The impact of seawater warming on fatty acid composition and nutritional quality indices of <i>Trematomus bernacchii</i> from the Antarctic region. <i>Food Chemistry</i> , 2021, 365, 130500.	4.2	8
34	Statistical approach to the rational selection of experimental subjects. <i>Accreditation and Quality Assurance</i> , 2005, 10, 185-189.	0.4	7
35	Evaluation of different fingerprinting strategies for differentiating marine oils by liquid chromatography ion-trap mass spectrometry and chemometrics. <i>Analyst</i> , The, 2011, 136, 1507.	1.7	7
36	Resveratrol inhibited LPS induced transcription of immune genes and secretion of eicosanoids in Atlantic salmon (<i>Salmo salar</i>), comparing mono-, co- and a novel triple cell culture model of head kidney leukocytes, liver cells and visceral adipocyte tissue. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2019, 224, 108560.	1.3	7

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37	Improved quantification of prostaglandins in biological samples by optimizing simultaneously the relationship eicosanoid/internal standard and using liquid chromatography tandem mass spectrometry. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2007, 77, 9-13.	1.0	6
38	A randomized double blind comparison of short-term duodenally administrated whale and seal blubber oils in patients with inflammatory bowel disease and joint pain. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2009, 81, 425-432.	1.0	6
39	Hydrolyzed fish proteins modulates both inflammatory and antioxidant gene expression as well as protein expression in a co culture model of liver and head kidney cells isolated from Atlantic salmon (<i>Salmo salar</i>). <i>Fish and Shellfish Immunology</i> , 2016, 54, 22-29.	1.6	6
40	Modeling the influence of time and temperature on the levels of fatty acids in the liver of Antarctic fish <i>Trematomus bernacchii</i> . <i>Polar Biology</i> , 2019, 42, 2017-2030.	0.5	6
41	Chemometric approaches in calibration experiments of trilinolenoylglycerol by liquid chromatography ion-trap mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2005, 16, 388-396.	1.2	5
42	Subjective food hypersensitivity: assessment of enterochromaffin cell markers in blood and gut lavage fluid. <i>International Journal of General Medicine</i> , 2011, 4, 555.	0.8	5
43	Chemometrics in chromatography. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2012, 910, 1.	1.2	5
44	Effect of storage time, temperature, antioxidant and thawing on fatty acid composition of plasma, serum and red blood cells – A pilot biobank study. <i>Clinical Biochemistry</i> , 2018, 52, 94-105.	0.8	5
45	Vitamin D Supplementation during Winter: Effects on Stress Resilience in a Randomized Control Trial. <i>Nutrients</i> , 2020, 12, 3258.	1.7	4
46	Direct Injection of Redissolved Cell Culture Media into a Single-Column Liquid Chromatography Coupled to Mass Spectrometry for the Measurement of PGE2. <i>The Open Analytical Chemistry Journal</i> , 2008, 2, 62-66.	2.0	4
47	Impact of dietary zinc and seawater transfer on zinc status, availability, endogenous loss and osmoregulatory responses in Atlantic salmon smolt fed low fish meal feeds. <i>Aquaculture</i> , 2022, 549, 737804.	1.7	4
48	An LC-MS-based lipidomics approach for studying the impact of dietary eicosapentaenoic acid on modulating methylmercury toxicity in mice. <i>Metabolomics</i> , 2016, 12, 1.	1.4	3
49	Development of an extraction method for the determination of prostaglandins in biological tissue samples using liquid chromatography-tandem mass spectrometry: Application to gonads of Atlantic cod (<i>Gadus morhua</i>). <i>Analytica Chimica Acta</i> , 2012, 749, 51-55.	2.6	2
50	Accurate measurement of nitrate, nitrite, and S-nitrosothiols in biological samples by mass spectrometry. <i>Free Radical Biology and Medicine</i> , 2013, 65, 301-304.	1.3	2
51	Comments on Boelaert et al. Determination of Asymmetric and Symmetric Dimethylarginine in Serum from Patients with Chronic Kidney Disease: UPLC-MS/MS versus ELISA. <i>Toxins</i> 2016, 8, 149. <i>Toxins</i> , 2016, 8, 311.	1.5	2
52	A new correction for controlling family-wise error rate in multiple comparison studies. <i>Accreditation and Quality Assurance</i> , 2020, 25, 167-169.	0.4	1
53	Differential production of prostaglandins and prostacyclins by liver and head kidney cells from Atlantic salmon challenged with arachidonic and eicosapentaenoic acids. <i>Fish and Shellfish Immunology Reports</i> , 2021, 2, 100015.	0.5	1
54	A rapid acid hydrolysis method for the determination of chitin in fish feed supplemented with black soldier fly (<i>Hermetia illucens</i>) larvae. <i>Heliyon</i> , 2022, 8, e09759.	1.4	1

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55	Challenges Ahead for a Rational Analysis of Vitamin D in Athletes. <i>Frontiers in Nutrition</i> , 2021, 8, 712335.	1.6	0