Pedro Domingues

List of Publications by Year
in descending order

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269 papers	7,834 citations	53794 45 h-index	98798 67 g-index
279 all docs	279 docs citations	279 times ranked	9602 citing authors

#	Article	IF	Citations
1	Identification of human whole saliva protein components using proteomics. Proteomics, 2004, 4, 1109-1115.	2.2	272
2	Comprehensive Study on the Chemical Structure of Dioxane Lignin from PlantationEucalyptus globulusWood. Journal of Agricultural and Food Chemistry, 2001, 49, 4252-4261.	5.2	213
3	Mass spectrometry analysis of oxidized phospholipids. Chemistry and Physics of Lipids, 2008, 156, 1-12.	3.2	148
4	Twoâ€dimensional electrophoresis study of in vitro pellicle formation and dental caries susceptibility. European Journal of Oral Sciences, 2006, 114, 147-153.	1.5	132
5	Lipoxidation adducts with peptides and proteins: Deleterious modifications or signaling mechanisms?. Journal of Proteomics, 2013, 92, 110-131.	2.4	131
6	Analysis of the human saliva proteome. Expert Review of Proteomics, 2005, 2, 521-539.	3.0	111
7	Salivary peptidomics. Expert Review of Proteomics, 2010, 7, 709-721.	3.0	108
8	Keggin-type polyoxotungstates as catalysts in the oxidation of cyclohexane by dilute aqueous hydrogen peroxide. Journal of Molecular Catalysis A, 1999, 144, 461-468.	4.8	105
9	Post-translational Modifications and Mass Spectrometry Detection. Free Radical Biology and Medicine, 2013, 65, 925-941.	2.9	101
10	Novel Biocompatible and Selfâ€buffering Ionic Liquids for Biopharmaceutical Applications. Chemistry - A European Journal, 2015, 21, 4781-4788.	3.3	96
11	Lipidomic approach to identify patterns in phospholipid profiles and define class differences in mammary epithelial and breast cancer cells. Breast Cancer Research and Treatment, 2012, 133, 635-648.	2.5	94
12	Lipidomic analysis of phospholipids from human mammary epithelial and breast cancer cell lines. Journal of Cellular Physiology, 2013, 228, 457-468.	4.1	92
13	Identification of oxidation products and free radicals of tryptophan by mass spectrometry. Journal of the American Society for Mass Spectrometry, 2003, 14, 406-416.	2.8	91
14	The role of salivary peptides in dental caries. Biomedical Chromatography, 2005, 19, 214-222.	1.7	87
15	Identification of Ubiquitin-specific Protease 9X (USP9X) as a Deubiquitinase Acting on Ubiquitin-Peroxin 5 (PEX5) Thioester Conjugate. Journal of Biological Chemistry, 2012, 287, 12815-12827.	3.4	87
16	Effect of type of binder on growth, digestibility, and energetic balance of Octopus maya. Aquaculture, 2008, 275, 291-297.	3.5	86
17	The de novo synthesis of ubiquitin: identification of deubiquitinases acting on ubiquitin precursors. Scientific Reports, 2015, 5, 12836.	3.3	82
18	Lipidomics as a new approach for the bioprospecting of marine macroalgae â€" Unraveling the polar lipid and fatty acid composition of Chondrus crispus. Algal Research, 2015, 8, 181-191.	4.6	81

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19	Proteomics of immune-challenged Drosophila melanogaster larvae hemolymph. Biochemical and Biophysical Research Communications, 2005, 328, 106-115.	2.1	79
20	Effect of the pH of growth on the survival of Lactobacillus delbrueckii subsp. bulgaricus to stress conditions during spray-drying. Journal of Applied Microbiology, 2005, 98, 775-782.	3.1	77
21	Discrimination effects and sensitivity variations in matrix-assisted laser desorption/ionization. Rapid Communications in Mass Spectrometry, 1997, 11, 1347-1352.	1.5	76
22	Protein lipoxidation: Detection strategies and challenges. Redox Biology, 2015, 5, 253-266.	9.0	75
23	Growth and survival of cuttlefish (Sepia officinalis) of different ages fed crustaceans and fish. Effects of frozen and live prey. Aquaculture, 2004, 229, 239-254.	3.5	70
24	Valorization of Lipids from Gracilaria sp. through Lipidomics and Decoding of Antiproliferative and Anti-Inflammatory Activity. Marine Drugs, 2017, 15, 62.	4.6	68
25	Separation of peroxidation products of diacyl-phosphatidylcholines by reversed-phase liquid chromatography-mass spectrometry. Biomedical Chromatography, 2005, 19, 129-137.	1.7	66
26	Tandem mass spectrometry of intact oxidation products of diacylphosphatidylcholines: evidence for the occurrence of the oxidation of the phosphocholine head and differentiation of isomers. Journal of Mass Spectrometry, 2004, 39, 1513-1522.	1.6	61
27	Transglycosylation reactions, a main mechanism of phenolics incorporation in coffee melanoidins: Inhibition by Maillard reaction. Food Chemistry, 2017, 227, 422-431.	8.2	59
28	Alterations in phospholipidomic profile in the brain of mouse model of depression induced by chronic unpredictable stress. Neuroscience, 2014, 273, 1-11.	2.3	58
29	Lipid composition of the mantle and digestive gland of Octopus vulgaris juveniles (Cuvier, 1797) exposed to prolonged starvation. Aquaculture International, 2010, 18, 1223-1241.	2.2	57
30	Oxidation of bovine serum albumin: identification of oxidation products and structural modifications. Rapid Communications in Mass Spectrometry, 2009, 23, 2307-2315.	1.5	55
31	Multiplicity of aspartic proteinases from Cynara cardunculus L.. Planta, 2009, 230, 429-439.	3.2	54
32	Microalgae as Sustainable Bio-Factories of Healthy Lipids: Evaluating Fatty Acid Content and Antioxidant Activity. Marine Drugs, 2021, 19, 357.	4.6	54
33	Mass spectrometry characterization of an Aloe vera mannan presenting immunostimulatory activity. Carbohydrate Polymers, 2012, 90, 229-236.	10.2	53
34	Decoding bioactive polar lipid profile of the macroalgae Codium tomentosum from a sustainable IMTA system using a lipidomic approach. Algal Research, 2015, 12, 388-397.	4.6	53
35	Lipidomic Signatures Reveal Seasonal Shifts on the Relative Abundance of High-Valued Lipids from the Brown Algae Fucus vesiculosus. Marine Drugs, 2019, 17, 335.	4.6	53
36	Current Status and Bottle Neck of Octopod Aquaculture: The Case of American Species. Journal of the World Aquaculture Society, 2011, 42, 735-752.	2.4	52

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37	Mouse liver PMP70 and ALDP: homomeric interactions prevail in vivo. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2004, 1689, 235-243.	3.8	51
38	The effects of feeding with shrimp or fish fry on growth and mantle lipid composition of juvenile and adult cuttlefish (Sepia officinalis). Aquaculture, 2006, 256, 403-413.	3.5	51
39	Effect of two artificial wet diets agglutinated with gelatin on feed and growth performance of common octopus (Octopus vulgaris) sub-adults. Aquaculture, 2008, 280, 161-164.	3.5	50
40	Radical peroxidation of palmitoyl-lineloyl-glycerophosphocholine liposomes: Identification of long-chain oxidised products by liquid chromatographyâ€“tandem mass spectrometry. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2007, 855, 186-199.	2.3	49
41	Evidence for galloylated type-A procyanidins in grape seeds. Food Chemistry, 2007, 105, 1457-1467.	8.2	48
42	Subcellular proteomics of mice gastrocnemius and soleus muscles. Analytical Biochemistry, 2007, 366, 156-169.	2.4	48
43	Photodynamic oxidation of Escherichia coli membrane phospholipids: new insights based on lipidomics. Rapid Communications in Mass Spectrometry, 2013, 27, 2717-2728.	1.5	48
44	Fragmentation study of short-chain products derived from oxidation of diacylphosphatidylcholines by electrospray tandem mass spectrometry: identification of novel short-chain products. Rapid Communications in Mass Spectrometry, 2004, 18, 2849-2858.	1.5	47
45	The effects of different extraction methods of lipids from Nannochloropsis oceanica on the contents of omega-3 fatty acids. Algal Research, 2019, 41, 101556.	4.6	47
46	Characterization of sodiated glycerol phosphatidylcholine phospholipids by mass spectrometry. Rapid Communications in Mass Spectrometry, 2001, 15, 799-804.	1.5	46
47	High-Yield Expression in Escherichia coli and Purification of Mouse Ubiquitin-Activating Enzyme E1. Molecular Biotechnology, 2012, 51, 254-261.	2.4	46
48	Proteomic plasma profile of psoriatic patients. Journal of Pharmaceutical and Biomedical Analysis, 2018, 155, 185-193.	2.8	46
49	Structural characterisation of underivatised olive pulp xylo-oligosaccharides by mass spectrometry using matrix-assisted laser desorption/ionisation and electrospray ionisation. Rapid Communications in Mass Spectrometry, 2002, 16, 2124-2132.	1.5	45
50	Efficient chemo-enzymatic gluten detoxification: reducing toxic epitopes for celiac patients improving functional properties. Scientific Reports, 2015, 5, 18041.	3.3	45
51	Positive and negative electrospray ionisation tandem mass spectrometry as a tool for structural characterisation of acid released oligosaccharides from olive pulp glucuronoxylans. Carbohydrate Research, 2003, 338, 1497-1505.	2.3	44
52	Peptidomic analysis of human acquired enamel pellicle. Biomedical Chromatography, 2007, 21, 1107-1117.	1.7	44
53	Drosophila melanogaster larval hemolymph protein mapping. Biochemical and Biophysical Research Communications, 2003, 312, 545-554.	2.1	43
54	Identification of Anomeric Configuration of Underivatized Reducing Glucopyranosyl-glucose Disaccharides by Tandem Mass Spectrometry and Multivariate Analysis. Analytical Chemistry, 2007, 79, 5896-5905.	6.5	43

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55	Towards defining the whole salivary peptidome. Proteomics - Clinical Applications, 2009, 3, 528-540.	1.6	43
56	Potential use of fatty acid profiles of the adductor muscle of cockles (Cerastoderma edule) for traceability of collection site. Scientific Reports, 2015, 5, 11125.	3.3	43
57	Bioprospecting of Marine Macrophytes Using MS-Based Lipidomics as a New Approach. Marine Drugs, 2016, 14, 49.	4.6	43
58	Effective separation of aromatic and aliphatic amino acid mixtures using ionic-liquid-based aqueous biphasic systems. Green Chemistry, 2017, 19, 1850-1854.	9.0	43
59	The Differences in the Proteome Profile of Cannabidiol-Treated Skin Fibroblasts following UVA or UVB Irradiation in 2D and 3D Cell Cultures. Cells, 2019, 8, 995.	4.1	43
60	Fatty acid and phospholipid biosynthetic pathways are regulated throughout mammary epithelial cell differentiation and correlate to breast cancer survival. FASEB Journal, 2014, 28, 4247-4264.	0.5	42
61	Peptide profile of human acquired enamel pellicle using MALDI tandem MS. Journal of Separation Science, 2008, 31, 523-537.	2.5	41
62	Glycation and oxidation of histones H2B and H1: in vitro study and characterization by mass spectrometry. Analytical and Bioanalytical Chemistry, 2011, 399, 3529-3539.	3.7	41
63	Lipidomics of Mesenchymal Stromal Cells: Understanding the Adaptation of Phospholipid Profile in Response to Pro-Inflammatory Cytokines. Journal of Cellular Physiology, 2016, 231, 1024-1032.	4.1	41
64	Polar lipid profile of Saccharina latissima, a functional food from the sea. Algal Research, 2019, 39, 101473.	4.6	41
65	Analysis of salivary peptides using HPLCâ€“electrospray mass spectrometry. Biomedical Chromatography, 2004, 18, 570-575.	1.7	39
66	Effects of dietary protein sources on growth, survival and digestive capacity ofOctopus mayajuveniles (Mollusca: Cephalopoda). Aquaculture Research, 2013, 44, 1029-1044.	1.8	39
67	Characterization of cardiolipins and their oxidation products by LCâ€“MS analysis. Chemistry and Physics of Lipids, 2014, 179, 3-10.	3.2	39
68	Electrospray Ionization Mass Spectrometry as a Tool for Lignins Molecular Weight and Structural Characterisation. Holzforschung, 1999, 53, 525-528.	1.9	38
69	Marine gammarids (Crustacea: Amphipoda): a new live prey to cultureOctopus mayahatchlings. Aquaculture Research, 2013, 44, 1602-1612.	1.8	38
70	A New Look for the Red Macroalga Palmaria palmata: A Seafood with Polar Lipids Rich in EPA and with Antioxidant Properties. Marine Drugs, 2019, 17, 533.	4.6	38
71	Age related reference values for urine creatine and guanidinoacetic acid concentration in children and adolescents by gas chromatographyâ€“mass spectrometry. Clinica Chimica Acta, 2004, 348, 155-161.	1.1	37
72	High-Resolution Lipidomics of the Early Life Stages of the Red Seaweed Porphyra dioica. Molecules, 2018, 23, 187.	3.8	36

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73	Lipidomic signature of the green macroalgae Ulva rigida farmed in a sustainable integrated multi-trophic aquaculture. Journal of Applied Phycology, 2019, 31, 1369-1381.	2.8	36
74	Identification of 1â€palmitoylâ€2â€linoleoylâ€phosphatidylethanolamine modifications under oxidative stress conditions by LCâ€MS/MS. Biomedical Chromatography, 2009, 23, 588-601.	1.7	35
75	In vitro hydroxyapatite adsorbed salivary proteins. Biochemical and Biophysical Research Communications, 2004, 320, 342-346.	2.1	34
76	Proteomic characterization of vanA-containing Enterococcus recovered from Seagulls at the Berlengas Natural Reserve, W Portugal. Proteome Science, 2010, 8, 48.	1.7	34
77	Photodynamic oxidation of Staphylococcus warneri membrane phospholipids: new insights based on lipidomics. Rapid Communications in Mass Spectrometry, 2013, 27, 1607-1618.	1.5	34
78	Detection and characterization by mass spectrometry of radical adducts produced by linoleic acid oxidation. Journal of the American Society for Mass Spectrometry, 2003, 14, 1250-1261.	2.8	33
79	Fragmentation pattern of underivatised xylo-oligosaccharides and their alditol derivatives by electrospray tandem mass spectrometry. Carbohydrate Polymers, 2004, 55, 401-409.	10.2	33
80	Use of Amphipods as alternative prey to culture cuttlefish (Sepia officinalis) hatchlings. Aquaculture, 2010, 300, 243-246.	3.5	33
81	Liquid chromatography/tandem mass spectrometry analysis of longâ€chain oxidation products of cardiolipin induced by the hydroxyl radical. Rapid Communications in Mass Spectrometry, 2011, 25, 316-326.	1.5	33
82	Polar Lipids from Olives and Olive Oil: A Review on Their Identification, Significance and Potential Biotechnological Applications. Foods, 2018, 7, 109.	4.3	33
83	Lipidomics Reveals Similar Changes in Serum Phospholipid Signatures of Overweight and Obese Pediatric Subjects. Journal of Proteome Research, 2019, 18, 3174-3183.	3.7	33
84	The Unique Lipidomic Signatures of Saccharina latissima Can Be Used to Pinpoint Their Geographic Origin. Biomolecules, 2020, 10, 107.	4.0	33
85	d-Amphetamine Interaction with Glutathione in Freshly Isolated Rat Hepatocytes. Chemical Research in Toxicology, 1996, 9, 1031-1036.	3.3	32
86	Lipidomic investigation of eggs' yolk: Changes in lipid profile of eggs from different conditions. Food Research International, 2016, 89, 177-185.	6.2	32
87	Proteins involved in the antioxidant and inflammatory response in rutin-treated human skin fibroblasts exposed to UVA or UVB irradiation. Journal of Dermatological Science, 2018, 90, 241-252.	1.9	32
88	Lipidomic Analysis Reveals Specific Differences between Fibroblast and Keratinocyte Ceramide Profile of Patients with Psoriasis Vulgaris. Molecules, 2020, 25, 630.	3.8	32
89	Effects of feeding live or frozen prey on growth, survival and the life cycle of the cuttlefish,Sepia officinalis(Linnaeus, 1758). Aquaculture International, 2003, 11, 397-410.	2.2	31
90	Comparative proteomics of an extended spectrum Î²-lactamase producing Escherichia coli strain from the Iberian wolf. Journal of Proteomics, 2014, 104, 80-93.	2.4	31

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91	Temperature Modulates the Secretome of the Phytopathogenic Fungus Lasiodiplodia theobromae. Frontiers in Plant Science, 2016, 7, 1096.	3.6	31
92	Changes in Proteome of Fibroblasts Isolated from Psoriatic Skin Lesions. International Journal of Molecular Sciences, 2020, 21, 5363.	4.1	31
93	Serum phospholipidomics reveals altered lipid profile and promising biomarkers in multiple sclerosis. Archives of Biochemistry and Biophysics, 2021, 697, 108672.	3.0	31
94	Electrospray tandem mass spectrometry of underivatised acetylated xylo-oligosaccharides. Rapid Communications in Mass Spectrometry, 2005, 19, 3589-3599.	1.5	30
95	The peroxisomal protein import machinery displays a preference for monomeric substrates. Open Biology, 2015, 5, 140236.	3.6	30
96	Trichoderma harzianum T1A constitutively secretes proteins involved in the biological control of Guignardia citricarpa. Biological Control, 2017, 106, 99-109.	3.0	30
97	Polar lipidome profiling of Salicornia ramosissima and Halimione portulacoides and the relevance of lipidomics for the valorization of halophytes. Phytochemistry, 2018, 153, 94-101.	2.9	30
98	Detection and characterization of hydroxyl radical adducts by mass spectrometry. Journal of the American Society for Mass Spectrometry, 2001, 12, 1214-1219.	2.8	29
99	The making of an octopus arm. EvoDevo, 2015, 6, 19.	3.2	29
100	Alteration in Phospholipidome Profile of Myoblast H9c2 Cell Line in a Model of Myocardium Starvation and Ischemia. Journal of Cellular Physiology, 2016, 231, 2266-2274.	4.1	29
101	Phospholipidome of endothelial cells shows a different adaptation response upon oxidative, glycative and lipoxidative stress. Scientific Reports, 2018, 8, 12365.	3.3	29
102	Polar lipidomic profile shows Chlorococcum amblystomatis as a promising source of value-added lipids. Scientific Reports, 2021, 11, 4355.	3.3	29
103	Synthesis and analysis of aminochromes by HPLC-photodiode array. Adrenochrome evaluation in rat blood. Biomedical Chromatography, 2003, 17, 6-13.	1.7	28
104	Effects of two dietary protein levels on energy balance and digestive capacity of Octopus maya. Aquaculture International, 2011, 19, 165-180.	2.2	28
105	Discovery of bioactive nitrated lipids and nitro-lipid-protein adducts using mass spectrometry-based approaches. Redox Biology, 2019, 23, 101106.	9.0	28
106	How size relates to oxygen consumption, ammonia excretion, and ingestion rates in cold (Enteroctopus megalocyathus) and tropical (Octopus maya) octopus species. Marine Biology, 2009, 156, 1547-1558.	1.5	27
107	Polar lipid profiling of olive oils as a useful tool in helping to decipher their unique fingerprint. LWT - Food Science and Technology, 2016, 74, 371-377.	5.2	27
108	Mass spectrometry characterization of the glycation sites of bovine insulin by tandem mass spectrometry. Journal of the American Society for Mass Spectrometry, 2009, 20, 1319-1326.	2.8	26

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109	Oxidation of mannosyl oligosaccharides by hydroxyl radicals as assessed by electrospray mass spectrometry. Carbohydrate Research, 2011, 346, 2603-2611.	2.3	26
110	R-phycoerythrin extraction and purification from freshGracilariasp. using thermo-responsive systems. Green Chemistry, 2019, 21, 3816-3826.	9.0	26
111	Constant neutral loss scanning for the characterization of glycerol phosphatidylcholine phospholipids. Journal of the American Society for Mass Spectrometry, 1998, 9, 1189-1195.	2.8	25
112	Proteome of a methicillin-resistant Staphylococcus aureus clinical strain of sequence type ST398. Journal of Proteomics, 2012, 75, 2892-2915.	2.4	25
113	Lipidomic characterization of streptozotocin-induced heart mitochondrial dysfunction. Mitochondrion, 2013, 13, 762-771.	3.4	25
114	Identification and Expression of Acetylcholinesterase in Octopus vulgaris Arm Development and Regeneration: a Conserved Role for ACHE?. Molecular Neurobiology, 2015, 52, 45-56.	4.0	25
115	Secretome analysis of Trichoderma atroviride T17 biocontrol of Guignardia citricarpa. Biological Control, 2016, 99, 38-46.	3.0	25
116	Lipidomic Profiling of the Olive (Olea europaea L.) Fruit towards Its Valorisation as a Functional Food: In-Depth Identification of Triacylglycerols and Polar Lipids in Portuguese Olives. Molecules, 2019, 24, 2555.	3.8	25
117	Seasonal plasticity of the polar lipidome of Ulva rigida cultivated in a sustainable integrated multi-trophic aquaculture. Algal Research, 2020, 49, 101958.	4.6	25
118	Differentiation of positional isomers of nitro meso-tetraphenylporphyrins by tandem mass spectrometry. Journal of the American Society for Mass Spectrometry, 2001, 12, 381-384.	2.8	24
119	Chemoplasticity of the polar lipid profile of the microalgae Chlorella vulgaris grown under heterotrophic and autotrophic conditions. Algal Research, 2021, 53, 102128.	4.6	24
120	Biochemical Characterization of SFC-1, a Class A Carbapenem-Hydrolyzing Î²-Lactamase. Antimicrobial Agents and Chemotherapy, 2007, 51, 4512-4514.	3.2	23
121	Effects of maternal diet on reproductive performance of O. maya and its consequences on biochemical characteristics of the yolk, morphology of embryos and hatchling quality. Aquaculture, 2015, 441, 84-94.	3.5	23
122	Recent Advances on Mass Spectrometry Analysis of Nitrated Phospholipids. Analytical Chemistry, 2016, 88, 2622-2629.	6.5	23
123	Domesticated Populations of Codium tomentosum Display Lipid Extracts with Lower Seasonal Shifts than Conspecifics from the Wildâ€"Relevance for Biotechnological Applications of this Green Seaweed. Marine Drugs, 2020, 18, 188.	4.6	23
124	Growth, absorption and assimilation efficiency by mature cuttlefish (Sepia officinalis) fed with alternative and artificial diets. Aquaculture International, 2008, 16, 215-229.	2.2	22
125	Data on coffee composition and mass spectrometry analysis of mixtures of coffee related carbohydrates, phenolic compounds and peptides. Data in Brief, 2017, 13, 145-161.	1.0	22
126	Polar Lipids Composition, Antioxidant and Anti-Inflammatory Activities of the Atlantic Red Seaweed Grateloupia turuturu. Marine Drugs, 2021, 19, 414.	4.6	22

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127	Oxidation of glycated phosphatidylethanolamines: evidence of oxidation in glycated polar head identified by LC-MS/MS. Analytical and Bioanalytical Chemistry, 2010, 397, 2417-2427.	3.7	21
128	Photosensitized oxidation of phosphatidylethanolamines monitored by electrospray tandem mass spectrometry. Journal of Mass Spectrometry, 2013, 48, 1357-1365.	1.6	21
129	Unravelling polar lipids dynamics during embryonic development of two sympatric brachyuran crabs (Carcinus maenas and Necora puber) using lipidomics. Scientific Reports, 2015, 5, 14549.	3.3	21
130	Reactivity of Tyrâ€“Leu and Leuâ€“Tyr dipeptides: identification of oxidation products by liquid chromatographyâ€“tandem mass spectrometry. Journal of Mass Spectrometry, 2009, 44, 681-693.	1.6	20
131	Oxidative modifications in glycated insulin. Analytical and Bioanalytical Chemistry, 2010, 397, 1985-1995.	3.7	20
132	Genomic and proteomic evaluation of antibiotic resistance in Salmonella strains. Journal of Proteomics, 2010, 73, 1535-1541.	2.4	20
133	Structural Characterization of Oxidized Glycerophosphatidylserine: Evidence of Polar Head Oxidation. Journal of the American Society for Mass Spectrometry, 2011, 22, 1804-1814.	2.8	20
134	Photooxidation of glycated and nonâ€glycated phosphatidylethanolamines monitored by mass spectrometry. Journal of Mass Spectrometry, 2013, 48, 68-78.	1.6	20
135	New Insights into the Antiâ€inflammatory and Antioxidant Properties of Nitrated Phospholipids. Lipids, 2018, 53, 117-131.	1.7	20
136	Plasma lipidomic profile signature of rheumatoid arthritis versus Lyme arthritis patients. Archives of Biochemistry and Biophysics, 2018, 654, 105-114.	3.0	20
137	The Proteomic Profile of Keratinocytes and Lymphocytes in Psoriatic Patients. Proteomics - Clinical Applications, 2019, 13, e1800119.	1.6	20
138	Chemical characterization and cytotoxic potential of an ellagitannin-enriched fraction from Fragaria vesca leaves. Arabian Journal of Chemistry, 2019, 12, 3652-3666.	4.9	20
139	Cannabidiol-Mediated Changes to the Phospholipid Profile of UVB-Irradiated Keratinocytes from Psoriatic Patients. International Journal of Molecular Sciences, 2020, 21, 6592.	4.1	20
140	Structural motifs in primary oxidation products of palmitoylâ€arachidonoylâ€phosphatidylcholines by LCâ€MS/MS. Journal of Mass Spectrometry, 2013, 48, 1207-1216.	1.6	19
141	Detection of phosphatidylserine with a modified polar head group in human keratinocytes exposed to the radical generator AAPH. Archives of Biochemistry and Biophysics, 2014, 548, 38-45.	3.0	19
142	Halophyte plants from sustainable marine aquaponics are a valuable source of omega-3 polar lipids. Food Chemistry, 2020, 320, 126560.	8.2	19
143	Prospective phospholipid markers for skin sensitization prediction in keratinocytes: A phospholipidomic approach. Archives of Biochemistry and Biophysics, 2013, 533, 33-41.	3.0	18
144	Oxidation of amylose and amylopectin by hydroxyl radicals assessed by electrospray ionisation mass spectrometry. Carbohydrate Polymers, 2016, 148, 290-299.	10.2	18

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145	Antimicrobial activity of 2-mercaptobenzothiazole released from environmentally friendly nanostructured layered double hydroxides. Journal of Applied Microbiology, 2017, 122, 1207-1218.	3.1	18
146	Phospholipidomic Analysis Reveals Changes in Sphingomyelin and Lysophosphatidylcholine Profiles in Plasma from Patients with Neuroborreliosis. Lipids, 2017, 52, 93-98.	1.7	18
147	Evaluation of air oxidized PAPC: A multi laboratory study by LC-MS/MS. Free Radical Biology and Medicine, 2019, 144, 156-166.	2.9	18
148	Microalgal Lipid Extracts Have Potential to Modulate the Inflammatory Response: A Critical Review. International Journal of Molecular Sciences, 2021, 22, 9825.	4.1	18
149	Algal Lipids as Modulators of Skin Disease: A Critical Review. Metabolites, 2022, 12, 96.	2.9	18
150	Structural characterization of glycoporphyrins by electrospray tandem mass spectrometry. Journal of Mass Spectrometry, 2004, 39, 158-167.	1.6	17
151	The glycation site specificity of human serum transferrin is a determinant for transferrin's functional impairment under elevated glycaemic conditions. Biochemical Journal, 2014, 461, 33-42.	3.7	17
152	Glycosphingolipids and oxidative stress: Evaluation of hydroxyl radical oxidation of galactosyl and lactosylceramides using mass spectrometry. Chemistry and Physics of Lipids, 2015, 191, 106-114.	3.2	17
153	Comparison of salivary proteome of children with different sensitivities for bitter and sweet tastes: association with body mass index. International Journal of Obesity, 2019, 43, 701-712.	3.4	17
154	Insights of species-specific polar lipidome signatures of seaweeds fostering their valorization in the blue bioeconomy. Algal Research, 2021, 55, 102242.	4.6	17
155	Identification of free radicals of glycerophosphatidylcholines containing Ï‰-6 fatty acids using spin trapping coupled with tandem mass spectrometry. Free Radical Research, 2007, 41, 432-443.	3.3	16
156	Identification of Free Radicals by Spin Trapping with DEPMPO and MCPIO Using Tandem Mass Spectrometry. European Journal of Mass Spectrometry, 2009, 15, 689-703.	1.0	16
157	Preliminary trials on the use of large outdoor tanks for the ongrowing of Octopus maya juveniles. Aquaculture Research, 2012, 43, 26-31.	1.8	16
158	Electrospray tandem mass spectrometry of aminochromes. Rapid Communications in Mass Spectrometry, 2001, 15, 2466-2471.	1.5	15
159	Characterization of cationic glycoporphyrins by electrospray tandem mass spectrometry. Rapid Communications in Mass Spectrometry, 2006, 20, 3605-3611.	1.5	15
160	Identification of leucineâ€enkephalin radical oxidation products by liquid chromatography tandem mass spectrometry. Biomedical Chromatography, 2008, 22, 947-959.	1.7	15
161	Effects of three culture densities on growth and survival of Octopus vulgaris (Cuvier, 1797). Aquaculture International, 2010, 18, 165-174.	2.2	15
162	Profiling changes triggered during maturation of dendritic cells: a lipidomic approach. Analytical and Bioanalytical Chemistry, 2012, 403, 457-471.	3.7	15

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163	Differentiation of isomeric Î²â€(1â€“4) hexose disaccharides by positive electrospray tandem mass spectrometry. Journal of Mass Spectrometry, 2013, 48, 548-552.	1.6	15
164	Changes in Lipid Profile of Keratinocytes from Rat Skin Exposed to Chronic UVA or UVB Radiation and Topical Application of Cannabidiol. Antioxidants, 2020, 9, 1178.	5.1	15
165	Exploring the aging effect of the anticancer drugs doxorubicin and mitoxantrone on cardiac mitochondrial proteome using a murine model. Toxicology, 2021, 459, 152852.	4.2	15
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