

M Rosrio M Domingues

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

336 papers	7,669 citations	42 h-index	66 g-index
362 ext. papers	8,998 ext. citations	5 avg, IF	6.12 L-index

#	Paper	IF	Citations
336	Coffee melanoidins: structures, mechanisms of formation and potential health impacts. <i>Food and Function</i> , 2012 , 3, 903-15	6.1	179
335	Structural and thermal characterization of galactomannans from non-conventional sources. <i>Carbohydrate Polymers</i> , 2011 , 83, 179-185	10.3	164
334	Mass spectrometry analysis of oxidized phospholipids. <i>Chemistry and Physics of Lipids</i> , 2008 , 156, 1-12	3.7	132
333	Bioconversion of agro-industrial by-products in rhamnolipids toward applications in enhanced oil recovery and bioremediation. <i>Bioresource Technology</i> , 2015 , 177, 87-93	11	131
332	Characterization of phenolic components in polar extracts of Eucalyptus globulus Labill. bark by high-performance liquid chromatography-mass spectrometry. <i>Journal of Agricultural and Food Chemistry</i> , 2011 , 59, 9386-93	5.7	128
331	Phenolic profiling of Portuguese propolis by LC-MS spectrometry: uncommon propolis rich in flavonoid glycosides. <i>Phytochemical Analysis</i> , 2013 , 24, 309-18	3.4	125
330	Phenolic characterization of Northeast Portuguese propolis: usual and unusual compounds. <i>Analytical and Bioanalytical Chemistry</i> , 2010 , 396, 887-97	4.4	119
329	Human plasma stability during handling and storage: impact on NMR metabolomics. <i>Analyst, The</i> , 2014 , 139, 1168-77	5	108
328	Lipoxidation adducts with peptides and proteins: deleterious modifications or signaling mechanisms?. <i>Journal of Proteomics</i> , 2013 , 92, 110-31	3.9	107
327	Binding of epigallocatechin-3-gallate to transthyretin modulates its amyloidogenicity. <i>FEBS Letters</i> , 2009 , 583, 3569-76	3.8	105
326	Bioactive chitosan/ellagic acid films with UV-light protection for active food packaging. <i>Food Hydrocolloids</i> , 2017 , 73, 120-128	10.6	100
325	Photodegradation of psychiatric pharmaceuticals in aquatic environments--kinetics and photodegradation products. <i>Water Research</i> , 2011 , 45, 6097-106	12.5	94
324	Direct photodegradation of carbamazepine followed by micellar electrokinetic chromatography and mass spectrometry. <i>Water Research</i> , 2011 , 45, 1095-104	12.5	93
323	Phenolic composition and antioxidant activity of Eucalyptus grandis, E. urograndis (E. grandisE. urophylla) and E. maidenii bark extracts. <i>Industrial Crops and Products</i> , 2012 , 39, 120-127	5.9	91
322	Identification of oxidation products and free radicals of tryptophan by mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2003 , 14, 406-16	3.5	84
321	Lipidomic analysis of phospholipids from human mammary epithelial and breast cancer cell lines. <i>Journal of Cellular Physiology</i> , 2013 , 228, 457-68	7	81
320	Lipidomic approach to identify patterns in phospholipid profiles and define class differences in mammary epithelial and breast cancer cells. <i>Breast Cancer Research and Treatment</i> , 2012 , 133, 635-48	4.4	81

319	Post-translational modifications and mass spectrometry detection. <i>Free Radical Biology and Medicine</i> , 2013 , 65, 925-941	7.8	80
318	Amphiphilic phthalocyanine-cyclodextrin conjugates for cancer photodynamic therapy. <i>Chemical Communications</i> , 2014 , 50, 8363-6	5.8	75
317	Simultaneous characterization and quantification of phenolic compounds in <i>Thymus x citriodorus</i> using a validated HPLC-UV and ESI-MS combined method. <i>Food Research International</i> , 2013 , 54, 1773-1780	7	73
316	Proteomics of immune-challenged <i>Drosophila melanogaster</i> larvae hemolymph. <i>Biochemical and Biophysical Research Communications</i> , 2005 , 328, 106-15	3.4	73
315	Rhamnoarabinosyl and rhamnoarabinoarabinosyl side chains as structural features of coffee arabinogalactans. <i>Phytochemistry</i> , 2008 , 69, 1573-85	4	69
314	Characterization of galactomannan derivatives in roasted coffee beverages. <i>Journal of Agricultural and Food Chemistry</i> , 2006 , 54, 3428-39	5.7	69
313	Lipidomic Approaches towards Deciphering Glycolipids from Microalgae as a Reservoir of Bioactive Lipids. <i>Marine Drugs</i> , 2016 , 14,	6	68
312	Cardiolipin profile changes are associated to the early synaptic mitochondrial dysfunction in Alzheimer's disease. <i>Journal of Alzheimer's Disease</i> , 2015 , 43, 1375-92	4.3	65
311	Lipidomics as a new approach for the bioprospecting of marine macroalgae Unraveling the polar lipid and fatty acid composition of <i>Chondrus crispus</i> . <i>Algal Research</i> , 2015 , 8, 181-191	5	64
310	Following healthy pregnancy by NMR metabolomics of plasma and correlation to urine. <i>Journal of Proteome Research</i> , 2015 , 14, 1263-74	5.6	63
309	Identification of phenolic constituents of <i>Cytisus multiflorus</i> . <i>Food Chemistry</i> , 2012 , 131, 652-659	8.5	61
308	Arabinosyl and glucosyl residues as structural features of acetylated galactomannans from green and roasted coffee infusions. <i>Carbohydrate Research</i> , 2005 , 340, 1689-98	2.9	61
307	Protein lipoxidation: Detection strategies and challenges. <i>Redox Biology</i> , 2015 , 5, 253-266	11.3	60
306	Separation of peroxidation products of diacyl-phosphatidylcholines by reversed-phase liquid chromatography-mass spectrometry. <i>Biomedical Chromatography</i> , 2005 , 19, 129-37	1.7	59
305	Immunostimulatory properties of coffee mannans. <i>Molecular Nutrition and Food Research</i> , 2009 , 53, 1036-43	5.43	58
304	Valorization of Lipids from <i>Gracilaria</i> sp. through Lipidomics and Decoding of Antiproliferative and Anti-Inflammatory Activity. <i>Marine Drugs</i> , 2017 , 15,	6	54
303	Nature of phenolic compounds in coffee melanoidins. <i>Journal of Agricultural and Food Chemistry</i> , 2014 , 62, 7843-53	5.7	54
302	Tandem mass spectrometry of intact oxidation products of diacylphosphatidylcholines: evidence for the occurrence of the oxidation of the phosphocholine head and differentiation of isomers. <i>Journal of Mass Spectrometry</i> , 2004 , 39, 1513-22	2.2	54

301	Molecular insights into mitochondrial dysfunction in cancer-related muscle wasting. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2014 , 1841, 896-905	5	50
300	Oxidation of bovine serum albumin: identification of oxidation products and structural modifications. <i>Rapid Communications in Mass Spectrometry</i> , 2009 , 23, 2307-15	2.2	50
299	LC/MS analysis of cardiolipins in substantia nigra and plasma of rotenone-treated rats: Implication for mitochondrial dysfunction in Parkinson's disease. <i>Free Radical Research</i> , 2015 , 49, 681-91	4	48
298	Alterations in phospholipidomic profile in the brain of mouse model of depression induced by chronic unpredictable stress. <i>Neuroscience</i> , 2014 , 273, 1-11	3.9	47
297	Metabolite profiling of human amniotic fluid by hyphenated nuclear magnetic resonance spectroscopy. <i>Analytical Chemistry</i> , 2008 , 80, 6085-92	7.8	44
296	Structural characterization of the acetylated heteroxylan from the natural hybrid <i>Paulownia elongata</i> / <i>Paulownia fortunei</i> . <i>Carbohydrate Research</i> , 2008 , 343, 256-66	2.9	44
295	Multiplicity of aspartic proteinases from <i>Cynara cardunculus</i> L. <i>Planta</i> , 2009 , 230, 429-39	4.7	43
294	Revisiting the structural features of arabinoxylans from brewers' spent grain. <i>Carbohydrate Polymers</i> , 2016 , 139, 167-76	10.3	42
293	Occurrence of cellobiose residues directly linked to galacturonic acid in pectic polysaccharides. <i>Carbohydrate Polymers</i> , 2012 , 87, 620-626	10.3	42
292	Radical peroxidation of palmitoyl-linoleoyl-glycerophosphocholine liposomes: Identification of long-chain oxidised products by liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2007 , 855, 186-99	3.2	42
291	<i>Drosophila melanogaster</i> larval hemolymph protein mapping. <i>Biochemical and Biophysical Research Communications</i> , 2003 , 312, 545-54	3.4	42
290	Sequential microwave superheated water extraction of mannans from spent coffee grounds. <i>Carbohydrate Polymers</i> , 2014 , 103, 333-8	10.3	41
289	Oleuropein/ligstroside isomers and their derivatives in Portuguese olive mill wastewaters. <i>Food Chemistry</i> , 2011 , 129, 291-296	8.5	41
288	Identification of anomeric configuration of underivatized reducing glucopyranosyl-glucose disaccharides by tandem mass spectrometry and multivariate analysis. <i>Analytical Chemistry</i> , 2007 , 79, 5896-905	7.8	41
287	Structural characterisation by MALDI-MS of olive xylo-oligosaccharides obtained by partial acid hydrolysis. <i>Carbohydrate Polymers</i> , 2003 , 53, 101-107	10.3	41
286	Characterization of sodiated glycerol phosphatidylcholine phospholipids by mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2001 , 15, 799-804	2.2	41
285	Decoding bioactive polar lipid profile of the macroalgae <i>Codium tomentosum</i> from a sustainable IMTA system using a lipidomic approach. <i>Algal Research</i> , 2015 , 12, 388-397	5	40
284	Structural characterization of polysaccharides isolated from grape stalks of <i>Vitis vinifera</i> L. <i>Carbohydrate Research</i> , 2012 , 356, 252-9	2.9	40

283	Structural characterisation of underivatised olive pulp xylo-oligosaccharides by mass spectrometry using matrix-assisted laser desorption/ionisation and electrospray ionisation. <i>Rapid Communications in Mass Spectrometry</i> , 2002 , 16, 2124-32	2.2	40
282	Extractability and structure of spent coffee ground polysaccharides by roasting pre-treatments. <i>Carbohydrate Polymers</i> , 2013 , 97, 81-9	10.3	39
281	Photodynamic oxidation of Escherichia coli membrane phospholipids: new insights based on lipidomics. <i>Rapid Communications in Mass Spectrometry</i> , 2013 , 27, 2717-28	2.2	39
280	Evaluation of the effect of roasting on the structure of coffee galactomannans using model oligosaccharides. <i>Journal of Agricultural and Food Chemistry</i> , 2011 , 59, 10078-87	5.7	39
279	Evidence for galloylated type-A procyanidins in grape seeds. <i>Food Chemistry</i> , 2007 , 105, 1457-1467	8.5	39
278	Fragmentation study of short-chain products derived from oxidation of diacylphosphatidylcholines by electrospray tandem mass spectrometry: identification of novel short-chain products. <i>Rapid Communications in Mass Spectrometry</i> , 2004 , 18, 2849-58	2.2	39
277	Effects of UV radiation on the lipids and proteins of bacteria studied by mid-infrared spectroscopy. <i>Environmental Science & Technology</i> , 2013 , 47, 6306-15	10.3	38
276	Positive and negative electrospray ionisation tandem mass spectrometry as a tool for structural characterisation of acid released oligosaccharides from olive pulp glucuronoxylans. <i>Carbohydrate Research</i> , 2003 , 338, 1497-505	2.9	38
275	Fatty acid and phospholipid biosynthetic pathways are regulated throughout mammary epithelial cell differentiation and correlate to breast cancer survival. <i>FASEB Journal</i> , 2014 , 28, 4247-64	0.9	37
274	Dietary curcumin counteracts extracellular transthyretin deposition: insights on the mechanism of amyloid inhibition. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2013 , 1832, 39-45	6.9	37
273	Synergistic effect of high and low molecular weight molecules in the foamability and foam stability of sparkling wines. <i>Journal of Agricultural and Food Chemistry</i> , 2011 , 59, 3168-79	5.7	37
272	Mass spectrometry characterization of an Aloe vera mannan presenting immunostimulatory activity. <i>Carbohydrate Polymers</i> , 2012 , 90, 229-36	10.3	36
271	Glycation and oxidation of histones H2B and H1: in vitro study and characterization by mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2011 , 399, 3529-39	4.4	36
270	Bioprospecting of Marine Macrophytes Using MS-Based Lipidomics as a New Approach. <i>Marine Drugs</i> , 2016 , 14,	6	36
269	Transglycosylation reactions, a main mechanism of phenolics incorporation in coffee melanoidins: Inhibition by Maillard reaction. <i>Food Chemistry</i> , 2017 , 227, 422-431	8.5	35
268	Characterization of cardiolipins and their oxidation products by LC-MS analysis. <i>Chemistry and Physics of Lipids</i> , 2014 , 179, 3-10	3.7	34
267	LXR activation by GW3965 alters fat tissue distribution and adipose tissue inflammation in ob/ob female mice. <i>Journal of Lipid Research</i> , 2013 , 54, 1300-11	6.3	34
266	Structural features of partially acetylated coffee galactomannans presenting immunostimulatory activity. <i>Carbohydrate Polymers</i> , 2010 , 79, 397-402	10.3	34

265	Potential use of fatty acid profiles of the adductor muscle of cockles (<i>Cerastoderma edule</i>) for traceability of collection site. <i>Scientific Reports</i> , 2015 , 5, 11125	4.9	33
264	Characterization of galactooligosaccharides produced by β -galactosidase immobilized onto magnetized Dacron. <i>International Dairy Journal</i> , 2011 , 21, 172-178	3.5	33
263	Liquid chromatography/tandem mass spectrometry analysis of long-chain oxidation products of cardiolipin induced by the hydroxyl radical. <i>Rapid Communications in Mass Spectrometry</i> , 2011 , 25, 316-26	2.2	33
262	Impact of physical exercise on visceral adipose tissue fatty acid profile and inflammation in response to a high-fat diet regimen. <i>International Journal of Biochemistry and Cell Biology</i> , 2017 , 87, 114-124	5.6	31
261	Photodegradation of 2-mercaptobenzothiazole and 1,2,3-benzotriazole corrosion inhibitors in aqueous solutions and organic solvents. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 25152-60	3.6	30
260	Identification of 1-palmitoyl-2-linoleoyl-phosphatidylethanolamine modifications under oxidative stress conditions by LC-MS/MS. <i>Biomedical Chromatography</i> , 2009 , 23, 588-601	1.7	30
259	Lipidomic Signatures Reveal Seasonal Shifts on the Relative Abundance of High-Valued Lipids from the Brown Algae. <i>Marine Drugs</i> , 2019 , 17,	6	29
258	Photodynamic oxidation of <i>Staphylococcus warneri</i> membrane phospholipids: new insights based on lipidomics. <i>Rapid Communications in Mass Spectrometry</i> , 2013 , 27, 1607-18	2.2	29
257	Fragmentation pattern of underivatized xylo-oligosaccharides and their alditol derivatives by electrospray tandem mass spectrometry. <i>Carbohydrate Polymers</i> , 2004 , 55, 401-409	10.3	29
256	The enhancement of the cellulolytic activity of cellobiohydrolase I and endoglucanase by the addition of cellulose binding domains derived from <i>Trichoderma reesei</i> . <i>Enzyme and Microbial Technology</i> , 2003 , 32, 35-40	3.8	29
255	Detection and characterization by mass spectrometry of radical adducts produced by linoleic acid oxidation. <i>Journal of the American Society for Mass Spectrometry</i> , 2003 , 14, 1250-61	3.5	29
254	Lipidomics of Mesenchymal Stromal Cells: Understanding the Adaptation of Phospholipid Profile in Response to Pro-Inflammatory Cytokines. <i>Journal of Cellular Physiology</i> , 2016 , 231, 1024-32	7	29
253	Comparison of the toxicological impacts of carbamazepine and a mixture of its photodegradation products in <i>Scrobicularia plana</i> . <i>Journal of Hazardous Materials</i> , 2017 , 323, 220-232	12.8	27
252	Phenolic constituents of <i>Lamium album</i> : Focus on isoscutellarein derivatives. <i>Food Research International</i> , 2012 , 48, 330-335	7	27
251	Synthesis and characterization of new porphyrin/4-quinolone conjugates. <i>Tetrahedron</i> , 2011 , 67, 7336-7342	3.4	27
250	Exogenous phenol increase resistance of <i>Ulmus minor</i> to Dutch elm disease through formation of suberin-like compounds on xylem tissues. <i>Environmental and Experimental Botany</i> , 2008 , 64, 97-104	5.9	27
249	Electrospray tandem mass spectrometry of underivatized acetylated xylo-oligosaccharides. <i>Rapid Communications in Mass Spectrometry</i> , 2005 , 19, 3589-99	2.2	27
248	Measurements of the effects of wine maceration with oak chips using an electronic tongue. <i>Food Chemistry</i> , 2017 , 229, 20-27	8.5	26

247	Polar lipid profile of <i>Saccharina latissima</i> , a functional food from the sea. <i>Algal Research</i> , 2019 , 39, 101473	26
246	High-Resolution Lipidomics of the Early Life Stages of the Red Seaweed <i>Porphyra dioica</i> . <i>Molecules</i> , 2018 , 23,	4.8 26
245	High valuable compounds from the unripe peel of several <i>Musa</i> species cultivated in Madeira Island (Portugal). <i>Industrial Crops and Products</i> , 2013 , 42, 507-512	5.9 26
244	Photodegradation of the fungicide thiram in aqueous solutions. Kinetic studies and identification of the photodegradation products by HPLC-MS/MS. <i>Chemosphere</i> , 2013 , 91, 993-1001	8.4 26
243	Photophysical properties of a photocytotoxic fluorinated chlorin conjugated to four beta-cyclodextrins. <i>Photochemical and Photobiological Sciences</i> , 2008 , 7, 834-43	4.2 26
242	Structural analysis of dextrans and characterization of dextrin-based biomedical hydrogels. <i>Carbohydrate Polymers</i> , 2014 , 114, 458-466	10.3 25
241	Do charge-remote fragmentations occur under matrix-assisted laser desorption ionization post-source decompositions and matrix-assisted laser desorption ionization collisionally activated decompositions?. <i>Journal of the American Society for Mass Spectrometry</i> , 1999 , 10, 217-23	3.5 25
240	Polar Lipids from Olives and Olive Oil: A Review on Their Identification, Significance and Potential Biotechnological Applications. <i>Foods</i> , 2018 , 7,	4.9 25
239	The effects of different extraction methods of lipids from <i>Nannochloropsis oceanica</i> on the contents of omega-3 fatty acids. <i>Algal Research</i> , 2019 , 41, 101556	5 24
238	Polar lipidome profiling of <i>Salicornia ramosissima</i> and <i>Halimione portulacoides</i> and the relevance of lipidomics for the valorization of halophytes. <i>Phytochemistry</i> , 2018 , 153, 94-101	4 24
237	Origin of the pinking phenomenon of white wines. <i>Journal of Agricultural and Food Chemistry</i> , 2014 , 62, 5651-9	5.7 24
236	In vitro macrophage nitric oxide production by <i>Pterospartum tridentatum</i> (L.) Willk. inflorescence polysaccharides. <i>Carbohydrate Polymers</i> , 2017 , 157, 176-184	10.3 24
235	Mass spectrometry characterization of the glycation sites of bovine insulin by tandem mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2009 , 20, 1319-26	3.5 24
234	Reaction of meso-tetraarylporphyrins with pyrazine ortho-quinodimethanes. <i>Tetrahedron Letters</i> , 2005 , 46, 2189-2191	2 24
233	Polar lipid profiling of olive oils as a useful tool in helping to decipher their unique fingerprint. <i>LWT - Food Science and Technology</i> , 2016 , 74, 371-377	5.4 24
232	Discovery of bioactive nitrated lipids and nitro-lipid-protein adducts using mass spectrometry-based approaches. <i>Redox Biology</i> , 2019 , 23, 101106	11.3 23
231	Thermal stability of spent coffee ground polysaccharides: galactomannans and arabinogalactans. <i>Carbohydrate Polymers</i> , 2014 , 101, 256-64	10.3 23
230	Exercise alters liver mitochondria phospholipidomic profile and mitochondrial activity in non-alcoholic steatohepatitis. <i>International Journal of Biochemistry and Cell Biology</i> , 2014 , 54, 163-73	5.6 23

229	Deeper insight into the monoterpene composition of <i>Ferula gummosa</i> oleo-gum-resin from Iran. <i>Industrial Crops and Products</i> , 2012 , 36, 500-507	5.9	23
228	Hydroperoxide production from linoleic acid by heterologous <i>Gaeumannomyces graminis tritici</i> lipoygenase: Optimization and scale-up. <i>Chemical Engineering Journal</i> , 2013 , 217, 82-90	14.7	23
227	Differentiation of isomeric pentose disaccharides by electrospray ionization tandem mass spectrometry and discriminant analysis. <i>Rapid Communications in Mass Spectrometry</i> , 2012 , 26, 2897-904	2.2	23
226	Tacrine and its analogues impair mitochondrial function and bioenergetics: a lipidomic analysis in rat brain. <i>Journal of Neurochemistry</i> , 2012 , 120, 998-1013	6	23
225	Structural analysis of gellans produced by <i>Sphingomonas elodea</i> strains by electrospray tandem mass spectrometry. <i>Carbohydrate Polymers</i> , 2009 , 77, 10-19	10.3	23
224	Detection and characterization of hydroxyl radical adducts by mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2001 , 12, 1214-9	3.5	23
223	Alteration in Phospholipidome Profile of Myoblast H9c2 Cell Line in a Model of Myocardium Starvation and Ischemia. <i>Journal of Cellular Physiology</i> , 2016 , 231, 2266-74	7	23
222	Differentiation of positional isomers of nitro meso-tetraphenylporphyrins by tandem mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2001 , 12, 381-4	3.5	22
221	A New Look for the Red Macroalga : A Seafood with Polar Lipids Rich in EPA and with Antioxidant Properties. <i>Marine Drugs</i> , 2019 , 17,	6	21
220	Lipidomic characterization of streptozotocin-induced heart mitochondrial dysfunction. <i>Mitochondrion</i> , 2013 , 13, 762-71	4.9	21
219	Structural analysis of linear mixed-linkage glucooligosaccharides by tandem mass spectrometry. <i>Food Chemistry</i> , 2013 , 136, 1496-507	8.5	21
218	Demonstration of the presence of acetylation and arabinose branching as structural features of locust bean gum galactomannans. <i>Carbohydrate Polymers</i> , 2011 , 86, 1476-1483	10.3	21
217	Biochemical Characterization of SFC-1, a class A carbapenem-hydrolyzing beta-lactamase. <i>Antimicrobial Agents and Chemotherapy</i> , 2007 , 51, 4512-4	5.9	21
216	Chlorogenic acid-arabinose hybrid domains in coffee melanoidins: Evidences from a model system. <i>Food Chemistry</i> , 2015 , 185, 135-44	8.5	20
215	Recent Advances on Mass Spectrometry Analysis of Nitrated Phospholipids. <i>Analytical Chemistry</i> , 2016 , 88, 2622-9	7.8	20
214	Lipidomics Reveals Similar Changes in Serum Phospholipid Signatures of Overweight and Obese Pediatric Subjects. <i>Journal of Proteome Research</i> , 2019 , 18, 3174-3183	5.6	20
213	Human Bone Marrow-Derived Mesenchymal Stromal Cells Differentially Inhibit Cytokine Production by Peripheral Blood Monocytes Subpopulations and Myeloid Dendritic Cells. <i>Stem Cells International</i> , 2015 , 2015, 819084	5	20
212	Lipidomic signature of the green macroalgae <i>Ulva rigida</i> farmed in a sustainable integrated multi-trophic aquaculture. <i>Journal of Applied Phycology</i> , 2019 , 31, 1369-1381	3.2	20

211	Lipidomic investigation of eggsSyolk: Changes in lipid profile of eggs from different conditions. <i>Food Research International</i> , 2016 , 89, 177-185	7	19
210	Phospholipidome of endothelial cells shows a different adaptation response upon oxidative, glycative and lipoxidative stress. <i>Scientific Reports</i> , 2018 , 8, 12365	4.9	19
209	Rapeseed oil-rich diet alters hepatic mitochondrial membrane lipid composition and disrupts bioenergetics. <i>Archives of Toxicology</i> , 2013 , 87, 2151-63	5.8	19
208	Characterization by electrospray ionization and tandem mass spectrometry of rhamnolipids produced by two <i>Pseudomonas aeruginosa</i> strains isolated from Brazilian crude oil. <i>European Journal of Mass Spectrometry</i> , 2012 , 18, 399-406	1.1	19
207	Assessment of the sesquiterpenic profile of <i>Ferula gummosa</i> oleo-gum-resin (galbanum) from Iran. Contributes to its valuation as a potential source of sesquiterpenic compounds. <i>Industrial Crops and Products</i> , 2013 , 44, 185-191	5.9	19
206	Oxidation of mannosyl oligosaccharides by hydroxyl radicals as assessed by electrospray mass spectrometry. <i>Carbohydrate Research</i> , 2011 , 346, 2603-11	2.9	19
205	Structural characterization of oxidized glycerophosphatidylserine: evidence of polar head oxidation. <i>Journal of the American Society for Mass Spectrometry</i> , 2011 , 22, 1804-14	3.5	19
204	Oxidation of glycated phosphatidylethanolamines: evidence of oxidation in glycated polar head identified by LC-MS/MS. <i>Analytical and Bioanalytical Chemistry</i> , 2010 , 397, 2417-27	4.4	19
203	Structural differentiation of uronosyl substitution patterns in acidic heteroxylans by electrospray tandem mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2004 , 15, 43-7	3.5	19
202	Antimicrobial Lipids from Plants and Marine Organisms: An Overview of the Current State-of-the-Art and Future Prospects. <i>Antibiotics</i> , 2020 , 9,	4.9	19
201	Valuing Bioactive Lipids from Green, Red and Brown Macroalgae from Aquaculture, to Foster Functionality and Biotechnological Applications. <i>Molecules</i> , 2020 , 25,	4.8	19
200	Identification and characterization of photodegradation products of metoprolol in the presence of natural fulvic acid by HPLC-UV-MS. <i>Journal of Hazardous Materials</i> , 2017 , 323, 250-263	12.8	18
199	Sex-specific lipid molecular signatures in obesity-associated metabolic dysfunctions revealed by lipidomic characterization in ob/ob mouse. <i>Biology of Sex Differences</i> , 2019 , 10, 11	9.3	18
198	The Unique Lipidomic Signatures of Can Be Used to Pinpoint Their Geographic Origin. <i>Biomolecules</i> , 2020 , 10,	5.9	18
197	New Insights into the Anti-Inflammatory and Antioxidant Properties of Nitrated Phospholipids. <i>Lipids</i> , 2018 , 53, 117-131	1.6	18
196	Evaluation of the interplay among the charge of porphyrinic photosensitizers, lipid oxidation and photoinactivation efficiency in <i>Escherichia coli</i> . <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2014 , 141, 145-53	6.7	18
195	Photooxidation of glycated and non-glycated phosphatidylethanolamines monitored by mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2013 , 48, 68-78	2.2	18
194	Roasting-induced changes in arabinotriose, a model of coffee arabinogalactan side chains. <i>Food Chemistry</i> , 2013 , 138, 2291-9	8.5	18

193	Prospective phospholipid markers for skin sensitization prediction in keratinocytes: a phospholipidomic approach. <i>Archives of Biochemistry and Biophysics</i> , 2013 , 533, 33-41	4.1	18
192	Photosensitized oxidation of phosphatidylethanolamines monitored by electrospray tandem mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2013 , 48, 1357-65	2.2	18
191	Oxidative modifications in glycated insulin. <i>Analytical and Bioanalytical Chemistry</i> , 2010 , 397, 1985-95	4.4	18
190	Lipidomic Profiling of the Olive (L.) Fruit towards Its Valorisation as a Functional Food: In-Depth Identification of Triacylglycerols and Polar Lipids in Portuguese Olives. <i>Molecules</i> , 2019 , 24,	4.8	17
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