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List of Publications by Year in descending order

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Version: 2024-02-01

62
papers

1,340
citations

279487

23
h-index

360668

35
g-index

63
all docs

63
docs citations

63
times ranked

1678
citing authors

#	ARTICLE	IF	CITATIONS
1	Validation of a one-step extraction/methylation method for determination of fatty acids and cholesterol in marine tissues. <i>Journal of Chromatography A</i> , 2006, 1104, 291-298.	1.8	138
2	Metabolic markers in blood can separate prostate cancer from benign prostatic hyperplasia. <i>British Journal of Cancer</i> , 2015, 113, 1712-1719.	2.9	82
3	Bioprospecting North Atlantic microalgae with fast growth and high polyunsaturated fatty acid (PUFA) content for microalgae-based technologies. <i>Algal Research</i> , 2017, 26, 392-401.	2.4	70
4	Identification of fatty acids in gas chromatography by application of different temperature and pressure programs on a single capillary column. <i>Journal of Chromatography A</i> , 2003, 1015, 151-161.	1.8	63
5	Application of gas chromatography/tandem mass spectrometry to determine a wide range of petrogenic alkylated polycyclic aromatic hydrocarbons in biotic samples. <i>Rapid Communications in Mass Spectrometry</i> , 2016, 30, 2052-2058.	0.7	56
6	A database of chromatographic properties and mass spectra of fatty acid methyl esters from omega-3 products. <i>Journal of Chromatography A</i> , 2013, 1299, 94-102.	1.8	52
7	Dietary fish protein hydrolysates containing bioactive motifs affect serum and adipose tissue fatty acid compositions, serum lipids, postprandial glucose regulation and growth in obese Zucker fa/fa rats. <i>British Journal of Nutrition</i> , 2016, 116, 1336-1345.	1.2	46
8	Identification of estrogen-like alkylphenols in produced water from offshore oil installations. <i>Marine Environmental Research</i> , 2007, 64, 651-665.	1.1	45
9	Determination of Omega-3 Fatty Acids in Fish Oil Supplements Using Vibrational Spectroscopy and Chemometric Methods. <i>Applied Spectroscopy</i> , 2014, 68, 1190-1200.	1.2	45
10	Comparing EPA production and fatty acid profiles of three <i>Phaeodactylum tricornutum</i> strains under western Norwegian climate conditions. <i>Algal Research</i> , 2018, 30, 11-22.	2.4	42
11	Determination of trans double bonds in polyunsaturated fatty acid methyl esters from their electron impact mass spectra. <i>European Journal of Lipid Science and Technology</i> , 2003, 105, 156-164.	1.0	41
12	The prediction of fatty acid structure from selected ions in electron impact mass spectra of fatty acid methyl esters. <i>European Journal of Lipid Science and Technology</i> , 2004, 106, 550-560.	1.0	40
13	Properties of trans isomers of eicosapentaenoic acid and docosahexaenoic acid methyl esters on cyanopropyl stationary phases. <i>Journal of Chromatography A</i> , 2005, 1100, 185-192.	1.8	40
14	Two-dimensional fatty acid retention indices. <i>Journal of Chromatography A</i> , 2004, 1061, 201-209.	1.8	33
15	Geometrical isomerisation of eicosapentaenoic and docosahexaenoic acid at high temperatures. <i>European Journal of Lipid Science and Technology</i> , 2006, 108, 589-597.	1.0	32
16	High growth rates in Atlantic salmon (<i>Salmo salar</i> L.) fed 7.5% fish meal in the diet. Micro-, ultra- and nano-filtration of stickwater and effects of different fractions and compounds on pellet quality and fish performance.. <i>Aquaculture</i> , 2012, 338-341, 134-146.	1.7	29
17	Trans Isomers of EPA and DHA in Omega-3 Products on the European Market. <i>Lipids</i> , 2012, 47, 659-667.	0.7	28
18	Efficiencies of three common lipid extraction methods evaluated by calculating mass balances of the fatty acids. <i>Journal of Food Composition and Analysis</i> , 2012, 25, 198-207.	1.9	27

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19	High intake of fatty fish, but not of lean fish, improved postprandial glucose regulation and increased the <i>n</i> -3 PUFA content in the leucocyte membrane in healthy overweight adults: a randomised trial. <i>British Journal of Nutrition</i> , 2017, 117, 1368-1378.	1.2	27
20	A low dietary intake of cod protein is sufficient to increase growth, improve serum and tissue fatty acid compositions, and lower serum postprandial glucose and fasting non-esterified fatty acid concentrations in obese Zucker fa/fa rats. <i>European Journal of Nutrition</i> , 2015, 54, 1151-1160.	1.8	26
21	Effects of low doses of fish and milk proteins on glucose regulation and markers of insulin sensitivity in overweight adults: a randomised, double blind study. <i>European Journal of Nutrition</i> , 2020, 59, 1013-1029.	1.8	26
22	Spectral transformations for deconvolution methods applied on gas chromatography–mass spectrometry data. <i>Analytica Chimica Acta</i> , 2003, 488, 231-241.	2.6	24
23	Prediction of gas chromatographic retention of polyunsaturated fatty acid methyl esters. <i>Journal of Chromatography A</i> , 2006, 1110, 171-180.	1.8	24
24	Predictive associations between serum fatty acids and lipoproteins in healthy non-obese Norwegians: implications for cardiovascular health. <i>Metabolomics</i> , 2016, 12, 6.	1.4	23
25	Specific Metabolites in a <i>Phaeodactylum tricornutum</i> Strain Isolated from Western Norwegian Fjord Water. <i>Marine Drugs</i> , 2016, 14, 9.	2.2	22
26	Alkylphenol retention indices. <i>Journal of Chromatography A</i> , 2006, 1123, 98-105.	1.8	19
27	Evaluation of the retention pattern on ionic liquid columns for gas chromatographic analyses of fatty acid methyl esters. <i>Journal of Chromatography A</i> , 2014, 1350, 83-91.	1.8	18
28	Changes in Serum Fatty Acid Levels During the First Year After Bariatric Surgery. <i>Obesity Surgery</i> , 2016, 26, 1735-1742.	1.1	16
29	Water-Soluble Fish Protein Intake Led to Lower Serum and Liver Cholesterol Concentrations in Obese Zucker fa/fa Rats. <i>Marine Drugs</i> , 2018, 16, 149.	2.2	16
30	Experimental designs for modeling retention patterns and separation efficiency in analysis of fatty acid methyl esters by gas chromatography–mass spectrometry. <i>Journal of Chromatography A</i> , 2011, 1218, 6823-6831.	1.8	15
31	Patterns in volatile components over heated fish powders. <i>Food Research International</i> , 2006, 39, 190-202.	2.9	13
32	Intake of Baked Cod Fillet Resulted in Lower Serum Cholesterol and Higher Long Chain n-3 PUFA Concentrations in Serum and Tissues in Hypercholesterolemic Obese Zucker fa/fa Rats. <i>Nutrients</i> , 2018, 10, 840.	1.7	13
33	<i>Trans</i> Fatty Acid Analyses in Samples of Marine Origin: The Risk of False Positives. <i>Journal of Agricultural and Food Chemistry</i> , 2011, 59, 3520-3531.	2.4	12
34	Quantification of linolenic acid isomers by gas chromatography-mass spectrometry and deconvolution of overlapping chromatographic peaks. <i>European Journal of Lipid Science and Technology</i> , 2004, 106, 307-318.	1.0	10
35	Effects of fish farm activities on the sponge <i>Weberella bursa</i> , and its associated microbiota. <i>Ecological Indicators</i> , 2021, 129, 107879.	2.6	10
36	Lipids of <i>Dietzia</i> sp. A14101. Part I: A study of the production dynamics of surface-active compounds. <i>Chemistry and Physics of Lipids</i> , 2017, 208, 19-30.	1.5	9

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37	Enhancing EPA Content in an Arctic Diatom: A Factorial Design Study to Evaluate Interactive Effects of Growth Factors. <i>Frontiers in Plant Science</i> , 2018, 9, 491.	1.7	9
38	Prediction of equivalent chain lengths from two-dimensional fatty acid retention indices. <i>Journal of Chromatography A</i> , 2006, 1122, 249-254.	1.8	8
39	Changes in serum fatty acid and lipoprotein subclass concentrations from prepuberty to adulthood and during aging. <i>Metabolomics</i> , 2016, 12, 51.	1.4	8
40	Effects of baked and raw salmon fillet on lipids and n-3 PUFAs in serum and tissues in Zucker fa/fa rats. <i>Food and Nutrition Research</i> , 2017, 61, 1333-1345.	1.2	8
41	Retention behavior of <i>trans</i> isomers of eicosapentaenoic and docosahexaenoic acid methyl esters on a polyethylene glycol stationary phase. <i>European Journal of Lipid Science and Technology</i> , 2008, 110, 547-553.	1.0	7
42	Effects of intact and hydrolysed blue whiting proteins on blood pressure and markers of kidney function in obese Zucker fa/fa rats. <i>European Journal of Nutrition</i> , 2021, 60, 529-544.	1.8	7
43	Geometrical isomerisation of double bonds in acid-catalysed preparation of fatty acid methyl esters. <i>European Journal of Lipid Science and Technology</i> , 2006, 108, 315-322.	1.0	6
44	A rapid method for the analysis of hydrogenated fats by GC with IR detection. <i>JAOCs, Journal of the American Oil Chemists' Society</i> , 2003, 80, 839-846.	0.8	5
45	The vector of calibration ratios: A simple transfer method for mass spectra. <i>Journal of Chromatography A</i> , 2010, 1217, 5986-5994.	1.8	5
46	Least squares spectral resolution of liquid chromatography-mass spectrometry data of glycerophospholipids. <i>Journal of Chromatography A</i> , 2013, 1280, 23-34.	1.8	5
47	Transfer of retention patterns in gas chromatography by means of response surface methodology. <i>Journal of Chromatography A</i> , 2014, 1332, 64-72.	1.8	5
48	A Rank annihilation approach to reducing the scan-effect in gas chromatography-mass spectrometry data. <i>Analytica Chimica Acta</i> , 2009, 640, 33-39.	2.6	4
49	Chromatographic efficiency of polar capillary columns applied for the analysis of fatty acid methyl esters by gas chromatography. <i>Journal of Separation Science</i> , 2018, 41, 1582-1592.	1.3	4
50	Variable Number of Tandem Repeats (VNTR) analysis of <i>Flavobacterium psychrophilum</i> from salmonids in Chile and Norway. <i>BMC Veterinary Research</i> , 2015, 11, 150.	0.7	3
51	Fatty acids in bacterium <i>Dietzia</i> sp. grown on simple and complex hydrocarbons determined as FAME by GC-MS. <i>Chemistry and Physics of Lipids</i> , 2015, 190, 15-26.	1.5	3
52	Data on pigments and long-chain fatty compounds identified in <i>Dietzia</i> sp. A14101 grown on simple and complex hydrocarbons. <i>Data in Brief</i> , 2015, 4, 622-629.	0.5	3
53	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
54	Serum fatty acid and lipoprotein subclass concentrations and their associations in prepubertal healthy Norwegian children. <i>Metabolomics</i> , 2016, 12, 81.	1.4	3

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55	Methylmercury Increases and Eicosapentaenoic Acid Decreases the Relative Amounts of Arachidonic Acid-Containing Phospholipids in Mouse Brain. <i>Lipids</i> , 2016, 51, 61-73.	0.7	3
56	Salmon Fillet Intake Led to Higher Serum Triacylglycerol in Obese Zucker Fa/Fa Rats But Not in Normolipidemic Long-Evans Rats. <i>Nutrients</i> , 2018, 10, 1459.	1.7	3
57	Optimizing the relationship between chromatographic efficiency and retention times in temperature-programmed gas chromatography. <i>Journal of Separation Science</i> , 2015, 38, 3014-3027.	1.3	2
58	Extension of least squares spectral resolution algorithm to high-resolution lipidomics data. <i>Analytica Chimica Acta</i> , 2016, 914, 35-46.	2.6	2
59	Minor compounds and potential interferents in gas chromatographic analyses of human serum fatty acids. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2020, 1138, 121963.	1.2	1
60	Suspension-Feeding Benthic Species™ Physiological and Microbiome Response to Salmon Farming and Associated Environmental Changes. <i>Frontiers in Marine Science</i> , 2022, 9, .	1.2	1
61	Lipids of <i>Dietzia</i> sp. A14101. Part II : A study of the dynamics of the release of surface active compounds by <i>Dietzia</i> sp. A14101 into the medium. <i>Chemistry and Physics of Lipids</i> , 2017, 208, 31-42.	1.5	0
62	Plackett-Burman Design and Fragmentation Studies to Assist the Comparison of Techniques used to Extract Phospholipids Prior to Regiospecific Characterization by Liquid Chromatography Mass Spectrometry. <i>American Journal of Modern Chromatography</i> , 0, , .	1.0	0