

Tuulia Hytjyläinen

List of Publications by Year in descending order

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201
papers

14,716
citations

24978

57
h-index

23472

111
g-index

220
all docs

220
docs citations

220
times ranked

21854
citing authors

#	ARTICLE	IF	CITATIONS
1	Gut Microbiota Regulates Bile Acid Metabolism by Reducing the Levels of Tauro-beta-muricholic Acid, a Naturally Occurring FXR Antagonist. <i>Cell Metabolism</i> , 2013, 17, 225-235.	7.2	1,671
2	Human gut microbes impact host serum metabolome and insulin sensitivity. <i>Nature</i> , 2016, 535, 376-381.	13.7	1,506
3	The Dynamics of the Human Infant Gut Microbiome in Development and in Progression toward Type 1 Diabetes. <i>Cell Host and Microbe</i> , 2015, 17, 260-273.	5.1	1,008
4	Novel Theranostic Opportunities Offered by Characterization of Altered Membrane Lipid Metabolism in Breast Cancer Progression. <i>Cancer Research</i> , 2011, 71, 3236-3245.	0.4	444
5	Hepatic ceramides dissociate steatosis and insulin resistance in patients with non-alcoholic fatty liver disease. <i>Journal of Hepatology</i> , 2016, 64, 1167-1175.	1.8	342
6	Harmonizing lipidomics: NIST interlaboratory comparison exercise for lipidomics using SRM 1950 "Metabolites in Frozen Human Plasma. <i>Journal of Lipid Research</i> , 2017, 58, 2275-2288.	2.0	312
7	Saturated Fat Is More Metabolically Harmful for the Human Liver Than Unsaturated Fat or Simple Sugars. <i>Diabetes Care</i> , 2018, 41, 1732-1739.	4.3	266
8	Metabolome in progression to Alzheimer's disease. <i>Translational Psychiatry</i> , 2011, 1, e57-e57.	2.4	238
9	Exome Sequencing Identifies Mitochondrial Alanine-tRNA Synthetase Mutations in Infantile Mitochondrial Cardiomyopathy. <i>American Journal of Human Genetics</i> , 2011, 88, 635-642.	2.6	229
10	Association of Lipidome Remodeling in the Adipocyte Membrane with Acquired Obesity in Humans. <i>PLoS Biology</i> , 2011, 9, e1000623.	2.6	213
11	Deficient Endoplasmic Reticulum-Mitochondrial Phosphatidylserine Transfer Causes Liver Disease. <i>Cell</i> , 2019, 177, 881-895.e17.	13.5	209
12	The role of VOC oxidation products in continental new particle formation. <i>Atmospheric Chemistry and Physics</i> , 2008, 8, 2657-2665.	1.9	202
13	Metabolomics and lipidomics in NAFLD: biomarkers and non-invasive diagnostic tests. <i>Nature Reviews Gastroenterology and Hepatology</i> , 2021, 18, 835-856.	8.2	183
14	Comprehensive two-dimensional liquid chromatography in analysis of Lamiaceae herbs: Characterisation and quantification of antioxidant phenolic acids. <i>Journal of Chromatography A</i> , 2007, 1145, 155-164.	1.8	175
15	Data Analysis Tool for Comprehensive Two-Dimensional Gas Chromatography/Time-of-Flight Mass Spectrometry. <i>Analytical Chemistry</i> , 2011, 83, 3058-3067.	3.2	168
16	Size and composition measurements of background aerosol and new particle growth in a Finnish forest during QUEST 2 using an Aerodyne Aerosol Mass Spectrometer. <i>Atmospheric Chemistry and Physics</i> , 2006, 6, 315-327.	1.9	150
17	Critical evaluation of sample pretreatment techniques. <i>Analytical and Bioanalytical Chemistry</i> , 2009, 394, 743-758.	1.9	148
18	Salinomycin inhibits prostate cancer growth and migration via induction of oxidative stress. <i>British Journal of Cancer</i> , 2012, 106, 99-106.	2.9	141

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19	The MBOAT7 variant rs641738 alters hepatic phosphatidylinositols and increases severity of non-alcoholic fatty liver disease in humans. <i>Journal of Hepatology</i> , 2016, 65, 1263-1265.	1.8	140
20	Characterisation of <i>Stevia Rebaudiana</i> by comprehensive two-dimensional liquid chromatography time-of-flight mass spectrometry. <i>Journal of Chromatography A</i> , 2007, 1150, 85-92.	1.8	135
21	Metabolome in schizophrenia and other psychotic disorders: a general population-based study. <i>Genome Medicine</i> , 2011, 3, 19.	3.6	131
22	Prediction of non-alcoholic fatty-liver disease and liver fat content by serum molecular lipids. <i>Diabetologia</i> , 2013, 56, 2266-2274.	2.9	129
23	Liquid Chromatography-Mass Spectrometry (LC-MS)-Based Lipidomics for Studies of Body Fluids and Tissues. <i>Methods in Molecular Biology</i> , 2011, 708, 247-257.	0.4	124
24	Noninvasive Detection of Nonalcoholic Steatohepatitis Using Clinical Markers and Circulating Levels of Lipids and Metabolites. <i>Clinical Gastroenterology and Hepatology</i> , 2016, 14, 1463-1472.e6.	2.4	120
25	Sorbent- and liquid-phase microextraction techniques and membrane-assisted extraction in combination with gas chromatographic analysis: A review. <i>Analytica Chimica Acta</i> , 2008, 614, 27-37.	2.6	119
26	Characterising metabolically healthy obesity in weight-discordant monozygotic twins. <i>Diabetologia</i> , 2014, 57, 167-176.	2.9	118
27	Lipidome as a predictive tool in progression to type 2 diabetes in Finnish men. <i>Metabolism: Clinical and Experimental</i> , 2018, 78, 1-12.	1.5	117
28	Determination of brominated flame retardants in environmental samples. <i>TrAC - Trends in Analytical Chemistry</i> , 2002, 21, 13-30.	5.8	111
29	Phospholipids and insulin resistance in psychosis: a lipidomics study of twin pairs discordant for schizophrenia. <i>Genome Medicine</i> , 2012, 4, 1.	3.6	106
30	Exposure to environmental contaminants is associated with altered hepatic lipid metabolism in non-alcoholic fatty liver disease. <i>Journal of Hepatology</i> , 2022, 76, 283-293.	1.8	106
31	Circulating triacylglycerol signatures and insulin sensitivity in NAFLD associated with the E167K variant in TM6SF2. <i>Journal of Hepatology</i> , 2015, 62, 657-663.	1.8	104
32	Genome-scale study reveals reduced metabolic adaptability in patients with non-alcoholic fatty liver disease. <i>Nature Communications</i> , 2016, 7, 8994.	5.8	103
33	Impaired hepatic lipid synthesis from polyunsaturated fatty acids in TM6SF2 E167K variant carriers with NAFLD. <i>Journal of Hepatology</i> , 2017, 67, 128-136.	1.8	97
34	Age- and Islet Autoimmunity-Associated Differences in Amino Acid and Lipid Metabolites in Children at Risk for Type 1 Diabetes. <i>Diabetes</i> , 2011, 60, 2740-2747.	0.3	96
35	Mondo/ChREBP-Mlx-Regulated Transcriptional Network Is Essential for Dietary Sugar Tolerance in <i>Drosophila</i> . <i>PLoS Genetics</i> , 2013, 9, e1003438.	1.5	93
36	Human PNPLA3-I148M variant increases hepatic retention of polyunsaturated fatty acids. <i>JCI Insight</i> , 2019, 4, .	2.3	93

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37	Decreased Cord-Blood Phospholipids in Young Ageâ€”atâ€”Onset Type 1 Diabetes. <i>Diabetes</i> , 2013, 62, 3951-3956.	0.3	83
38	A computational framework to integrate high-throughput omics datasets for the identification of potential mechanistic links. <i>Nature Protocols</i> , 2018, 13, 2781-2800.	5.5	82
39	Cord Serum Lipidome in Prediction of Islet Autoimmunity and Type 1 Diabetes. <i>Diabetes</i> , 2013, 62, 3268-3274.	0.3	81
40	Principles, developments and applications of on-line coupling of extraction with chromatography. <i>Journal of Chromatography A</i> , 2007, 1153, 14-28.	1.8	80
41	Approaches for on-line coupling of extraction and chromatography. <i>Analytical and Bioanalytical Chemistry</i> , 2004, 378, 1962-1981.	1.9	77
42	Human Serum Metabolites Associate With Severity and Patient Outcomes in Traumatic Brain Injury. <i>EBioMedicine</i> , 2016, 12, 118-126.	2.7	76
43	Pressurised hot water extraction coupled on-line with liquid chromatographyâ€”gas chromatography for the determination of brominated flame retardants in sediment samples. <i>Journal of Chromatography A</i> , 2002, 943, 113-122.	1.8	75
44	Pressurized Hot Water Extraction Coupled On-line with LCâ”GC:â€” Determination of Polyaromatic Hydrocarbons in Sediment. <i>Analytical Chemistry</i> , 2000, 72, 3070-3076.	3.2	73
45	Prolonged sleep restriction induces changes in pathways involved in cholesterol metabolism and inflammatory responses. <i>Scientific Reports</i> , 2016, 6, 24828.	1.6	72
46	Systems biology strategies to study lipidomes in health and disease. <i>Progress in Lipid Research</i> , 2014, 55, 43-60.	5.3	71
47	Modulator Design for Comprehensive Two-Dimensional Gas Chromatography:â€” Quantitative Analysis of Polyaromatic Hydrocarbons and Polychlorinated Biphenyls. <i>Analytical Chemistry</i> , 2002, 74, 4441-4446.	3.2	70
48	Optimizing the lipidomics workflow for clinical studiesâ€”practical considerations. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 4973-4993.	1.9	70
49	Comprehensive two-dimensional gas chromatography in the analysis of urban aerosols. <i>Journal of Chromatography A</i> , 2003, 1019, 251-260.	1.8	68
50	Comprehensive two-dimensional liquid chromatographyâ€”time-of-flight mass spectrometry in the analysis of acidic compounds in atmospheric aerosols. <i>Journal of Chromatography A</i> , 2006, 1130, 64-71.	1.8	68
51	A Healthy Nordic Diet Alters the Plasma Lipidomic Profile in Adults with Features of Metabolic Syndrome in a Multicenter Randomized Dietary Intervention. <i>Journal of Nutrition</i> , 2016, 146, 662-672.	1.3	68
52	On-line coupled liquid chromatographyâ€”gas chromatography. <i>Journal of Chromatography A</i> , 2003, 1000, 357-384.	1.8	66
53	Identification of organic compounds in atmospheric aerosol particles by on-line supercritical fluid extractionâ€”liquid chromatographyâ€”gas chromatographyâ€”mass spectrometry. <i>Journal of Chromatography A</i> , 2004, 1022, 151-159.	1.8	64
54	Fish Oil Supplementation Alters the Plasma Lipidomic Profile and Increases Long-Chain PUFAs of Phospholipids and Triglycerides in Healthy Subjects. <i>PLoS ONE</i> , 2012, 7, e42550.	1.1	63

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55	Characterization of organic compounds in aerosol particles from a coniferous forest by GC-MS. <i>Chemosphere</i> , 2006, 64, 1185-1195.	4.2	62
56	Hydroxysteroid 17- β dehydrogenase 13 variant increases phospholipids and protects against fibrosis in nonalcoholic fatty liver disease. <i>JCI Insight</i> , 2020, 5, .	2.3	62
57	Comparison of GC-MS and LC-MS methods for the analysis of antioxidant phenolic acids in herbs. <i>Analytical and Bioanalytical Chemistry</i> , 2007, 388, 881-887.	1.9	61
58	Comprehensive two-dimensional gas chromatography coupled to time-of-flight mass spectrometry in the identification of organic compounds in atmospheric aerosols from coniferous forest. <i>Journal of Chromatography A</i> , 2006, 1125, 234-243.	1.8	60
59	Characterization of microbial metabolism of Syrah grape products in an in vitro colon model using targeted and non-targeted analytical approaches. <i>European Journal of Nutrition</i> , 2013, 52, 833-846.	1.8	60
60	Lipidomics in nutrition and food research. <i>Molecular Nutrition and Food Research</i> , 2013, 57, 1306-1318.	1.5	60
61	Circulating Triacylglycerol Signatures in Nonalcoholic Fatty Liver Disease Associated With the I148M Variant in PNPLA3 and With Obesity. <i>Diabetes</i> , 2014, 63, 312-322.	0.3	58
62	Human and preclinical studies of the host-gut microbiome co-metabolite hippurate as a marker and mediator of metabolic health. <i>Gut</i> , 2021, 70, 2105-2114.	6.1	58
63	Determination of morphine analogues, caffeine and amphetamine in biological fluids by capillary electrophoresis with the marker technique. <i>Journal of Chromatography A</i> , 1996, 735, 439-447.	1.8	56
64	Dynamics of Plasma Lipidome in Progression to Islet Autoimmunity and Type 1 Diabetes - Type 1 Diabetes Prediction and Prevention Study (DIPP). <i>Scientific Reports</i> , 2018, 8, 10635.	1.6	56
65	Quantitative profiling of bile acids in blood, adipose tissue, intestine, and gall bladder samples using ultra high performance liquid chromatography-tandem mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 7799-7815.	1.9	55
66	Identification of metabolic profiles associated with human exposure to perfluoroalkyl substances. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2019, 29, 196-205.	1.8	55
67	Linking Gut Microbiome and Lipid Metabolism: Moving beyond Associations. <i>Metabolites</i> , 2021, 11, 55.	1.3	54
68	Analysis of particulate polycyclic aromatic hydrocarbons by on-line coupled supercritical fluid extraction-liquid chromatography-gas chromatography-mass spectrometry. <i>Atmospheric Environment</i> , 2002, 36, 2985-2995.	1.9	53
69	An Overview of Metabolomics Data Analysis: Current Tools and Future Perspectives. <i>Comprehensive Analytical Chemistry</i> , 2018, 82, 387-413.	0.7	52
70	Comprehensive two-dimensional liquid chromatography in the analysis of antioxidant phenolic compounds in wines and juices. <i>Analytical and Bioanalytical Chemistry</i> , 2008, 391, 373-380.	1.9	50
71	Determination of organic acids in aerosol particles from a coniferous forest by liquid chromatography-mass spectrometry. <i>Journal of Separation Science</i> , 2005, 28, 337-346.	1.3	49
72	Determination of lycopene in food by on-line SFE coupled to HPLC using a single monolithic column for trapping and separation. <i>Journal of Chromatography A</i> , 2004, 1052, 25-31.	1.8	48

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73	Rapid quantitative analysis of carnitine and acylcarnitines by ultra-high performance hydrophilic interaction liquid chromatography tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2013, 1292, 189-194.	1.8	48
74	Simultaneous determination of perfluoroalkyl substances and bile acids in human serum using ultra-high-performance liquid chromatography tandem mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 2251-2259.	1.9	48
75	Analysis of polycyclic aromatic hydrocarbons in soil and sediment with on-line coupled pressurised hot water extraction, hollow fibre microporous membrane liquid liquid extraction and gas chromatography. <i>Analyst, The</i> , 2003, 128, 434-439.	1.7	47
76	Comprehensive two-dimensional gas chromatography in the analysis of dietary fatty acids. <i>Journal of Separation Science</i> , 2004, 27, 459-467.	1.3	47
77	Drug metabolome of the Simvastatin formed by human intestinal microbiota in vitro. <i>Molecular BioSystems</i> , 2011, 7, 437-446.	2.9	44
78	Analysis of pesticides in red wines by on-line coupled reversed-phase liquid chromatography gas chromatography with vaporiser/precolumn solvent split/gas discharge interface. <i>Journal of Chromatography A</i> , 1998, 813, 113-119.	1.8	43
79	Comprehensive two-dimensional liquid chromatography coupled with mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2008, 391, 21-31.	1.9	43
80	The Gut Microbiota Modulates Glycaemic Control and Serum Metabolite Profiles in Non-Obese Diabetic Mice. <i>PLoS ONE</i> , 2014, 9, e110359.	1.1	43
81	Metabolic alterations in immune cells associate with progression to type 1 diabetes. <i>Diabetologia</i> , 2020, 63, 1017-1031.	2.9	42
82	Dysregulated Lipid Metabolism Precedes Onset of Psychosis. <i>Biological Psychiatry</i> , 2021, 89, 288-297.	0.7	42
83	Analysis of PAH compounds in soil with on-line coupled pressurised hot water extraction microporous membrane liquid liquid extraction gas chromatography. <i>Analytical and Bioanalytical Chemistry</i> , 2003, 375, 389-399.	1.9	40
84	Monounsaturated fatty acids in serum triacylglycerols are associated with response to neoadjuvant chemotherapy in breast cancer patients. <i>International Journal of Cancer</i> , 2014, 134, 1725-1733.	2.3	40
85	Extremely high electric field strengths in non-aqueous capillary electrophoresis. <i>Journal of Chromatography A</i> , 2001, 916, 89-99.	1.8	39
86	MARC1 variant rs2642438 increases hepatic phosphatidylcholines and decreases severity of non-alcoholic fatty liver disease in humans. <i>Journal of Hepatology</i> , 2020, 73, 725-726.	1.8	39
87	Determination of pesticide residues in red wines with microporous membrane liquid liquid extraction and gas chromatography. <i>Analytical and Bioanalytical Chemistry</i> , 2002, 372, 732-736.	1.9	38
88	Comparison of separation power of ultra performance liquid chromatography and comprehensive two-dimensional liquid chromatography in the separation of phenolic compounds in beverages. <i>Journal of Separation Science</i> , 2008, 31, 3466-3472.	1.3	38
89	Prenatal exposure to perfluoroalkyl substances modulates neonatal serum phospholipids, increasing risk of type 1 diabetes. <i>Environment International</i> , 2020, 143, 105935.	4.8	38
90	Stability of polycyclic aromatic hydrocarbons in pressurised hot water. <i>Analyst, The</i> , 2003, 128, 150-155.	1.7	37

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91	Bioanalytical techniques in nontargeted clinical lipidomics. <i>Bioanalysis</i> , 2016, 8, 351-364.	0.6	37
92	Metabolomics Profiling As a Diagnostic Tool in Severe Traumatic Brain Injury. <i>Frontiers in Neurology</i> , 2017, 8, 398.	1.1	36
93	Determination of biogenic amines in wine by multidimensional liquid chromatography with online derivatisation. <i>Analyst, The</i> , 2001, 126, 2124-2127.	1.7	35
94	Characterisation of organic compounds in aerosol particles from a Finnish forest by on-line coupled supercritical fluid extraction?liquid chromatography?gas chromatography?mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2004, 378, 1982-1990.	1.9	35
95	Genomic, Transcriptomic, and Lipidomic Profiling Highlights the Role of Inflammation in Individuals With Low High-density Lipoprotein Cholesterol. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2013, 33, 847-857.	1.1	35
96	Lipidomes in health and disease: Analytical strategies and considerations. <i>TrAC - Trends in Analytical Chemistry</i> , 2019, 120, 115664.	5.8	34
97	On-line coupling of extraction with gas chromatography. <i>Journal of Chromatography A</i> , 2008, 1186, 39-50.	1.8	33
98	Separation of nucleobases, nucleosides, and nucleotides using two zwitterionic silica-based monolithic capillary columns coupled with tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2014, 1373, 90-96.	1.8	33
99	On-line coupling of microporous membrane liquid?liquid extraction and gas chromatography in the analysis of organic pollutants in water. <i>Analytical and Bioanalytical Chemistry</i> , 2004, 378, 1991-1998.	1.9	32
100	The influence of sample collection methodology and sample preprocessing on the blood metabolic profile. <i>Bioanalysis</i> , 2015, 7, 991-1006.	0.6	32
101	Serum, plasma and erythrocyte membrane lipidomes in infants fed formula supplemented with bovine milk fat globule membranes. <i>Pediatric Research</i> , 2018, 84, 726-732.	1.1	32
102	Reversed phase HPLC coupled on-line to GC by the vaporizer/precolumn solvent split/gas discharge interface; analysis of phthalates in water. <i>Journal of High Resolution Chromatography</i> , 1997, 20, 410-416.	2.0	31
103	Pressurised hot water extraction and thermal desorption of polycyclic aromatic hydrocarbons from sediment with use of a novel extraction vessel. <i>Analytica Chimica Acta</i> , 2002, 466, 93-100.	2.6	31
104	Systems biology approaches to study lipidomes in health and disease. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2021, 1866, 158857.	1.2	31
105	Metabolic signatures across the full spectrum of non-alcoholic fatty liver disease. <i>JHEP Reports</i> , 2022, 4, 100477.	2.6	31
106	On-line coupled dynamic sonication-assisted extraction?liquid chromatography for the determination of phenolic acids in Lamiaceae herbs. <i>Journal of Chromatography A</i> , 2009, 1216, 892-896.	1.8	30
107	Metabolome and fecal microbiota in monozygotic twin pairs discordant for weight: a Big Mac challenge. <i>FASEB Journal</i> , 2014, 28, 4169-4179.	0.2	30
108	Circulating metabolites in progression to islet autoimmunity and type 1 diabetes. <i>Diabetologia</i> , 2019, 62, 2287-2297.	2.9	30

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109	Persistent Alterations in Plasma Lipid Profiles Before Introduction of Gluten in the Diet Associated With Progression to Celiac Disease. <i>Clinical and Translational Gastroenterology</i> , 2019, 10, e00044.	1.3	30
110	Determination of morphine and its analogues in urine by on-line coupled reversed-phase liquid chromatography-gas chromatography with on-line derivatization. <i>Journal of Chromatography A</i> , 1997, 771, 360-365.	1.8	29
111	Analysis of phenols in pyrolysis oils by gel permeation chromatography and multidimensional liquid chromatography. <i>Journal of Chromatography A</i> , 2000, 896, 343-349.	1.8	29
112	Isoenergetic diets differing in their n-3 fatty acid and polyphenol content reflect different plasma and HDL fraction lipidomic profiles in subjects at high cardiovascular risk. <i>Molecular Nutrition and Food Research</i> , 2014, 58, 1873-1882.	1.5	29
113	Patient-Specific Induced Pluripotent Stem Cell-Derived RPE Cells: Understanding the Pathogenesis of Retinopathy in Long-Chain 3-Hydroxyacyl-CoA Dehydrogenase Deficiency. , 2015, 56, 3371.		29
114	Serum untargeted lipidomic profiling reveals dysfunction of phospholipid metabolism in subclinical coronary artery disease. <i>Vascular Health and Risk Management</i> , 2019, Volume 15, 123-135.	1.0	29
115	Serum metabolome associated with severity of acute traumatic brain injury. <i>Nature Communications</i> , 2022, 13, 2545.	5.8	29
116	Quantitative aspects in comprehensive two-dimensional gas chromatography. <i>Journal of Chromatography A</i> , 2007, 1148, 228-235.	1.8	28
117	Methods for characterization of organic compounds in atmospheric aerosol particles. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 5877-5897.	1.9	28
118	Lipidomics in biomedical research-practical considerations. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2017, 1862, 800-803.	1.2	28
119	Effect of perfluorooctanesulfonic acid (PFOS) on the liver lipid metabolism of the developing chicken embryo. <i>Ecotoxicology and Environmental Safety</i> , 2019, 170, 691-698.	2.9	28
120	Determination of phenols in pyrolysis oil by on-line coupled microporous membrane liquid-liquid extraction and multidimensional liquid chromatography. <i>Journal of Separation Science</i> , 2001, 24, 544-550.	1.3	27
121	Direct coupling of reversed-phase liquid chromatography to gas chromatography. <i>Journal of Chromatography A</i> , 1998, 819, 13-24.	1.8	26
122	Solid-phase extraction of organic compounds in atmospheric aerosol particles collected with the particle-into-liquid sampler and analysis by liquid chromatography-mass spectrometry. <i>Talanta</i> , 2010, 80, 1170-1176.	2.9	26
123	Integrated Lipidomics and Proteomics Point to Early Blood-Based Changes in Childhood Preceding Later Development of Psychotic Experiences: Evidence From the Avon Longitudinal Study of Parents and Children. <i>Biological Psychiatry</i> , 2019, 86, 25-34.	0.7	26
124	Nonaqueous capillary electrophoresis with alcoholic background electrolytes: Separation efficiency under high electrical field strengths. <i>Electrophoresis</i> , 2002, 23, 393.	1.3	25
125	Phenolic metabolites as compliance biomarker for polyphenol intake in a randomized controlled human intervention. <i>Food Research International</i> , 2014, 63, 233-238.	2.9	25
126	Metabolic Signatures of the Exposome-Quantifying the Impact of Exposure to Environmental Chemicals on Human Health. <i>Metabolites</i> , 2020, 10, 454.	1.3	25

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127	Liquid Chromatographic Sample Cleanup Coupled On-Line with Gas Chromatography in the Analysis of Beta-Blockers in Human Serum and Urine. <i>Journal of Chromatographic Science</i> , 1997, 35, 280-286.	0.7	24
128	Characterization of cerebrospinal fluid by comprehensive two-dimensional gas chromatography coupled to time-of-flight mass spectrometry. <i>Journal of Chromatography A</i> , 2013, 1293, 142-149.	1.8	24
129	Analytical Lipidomics in Metabolic and Clinical Research. <i>Trends in Endocrinology and Metabolism</i> , 2015, 26, 671-673.	3.1	24
130	Particle Size Distribution and Gas-Particle Partition of Polycyclic Aromatic Hydrocarbons in Helsinki Urban Area. <i>Journal of Atmospheric Chemistry</i> , 2004, 47, 223-241.	1.4	23
131	Novel methodologies in metabolic profiling with a focus on molecular diagnostic applications. <i>Expert Review of Molecular Diagnostics</i> , 2012, 12, 527-538.	1.5	23
132	Links between central CB1-receptor availability and peripheral endocannabinoids in patients with first episode psychosis. <i>NPJ Schizophrenia</i> , 2020, 6, 21.	2.0	23
133	Activation of pregnane X receptor induces atherogenic lipids and PCSK9 by a SREBP2-mediated mechanism. <i>British Journal of Pharmacology</i> , 2021, 178, 2461-2481.	2.7	23
134	A longitudinal plasma lipidomics dataset from children who developed islet autoimmunity and type 1 diabetes. <i>Scientific Data</i> , 2018, 5, 180250.	2.4	23
135	Spatial Distribution of Glycerophospholipids in the Ocular Lens. <i>PLoS ONE</i> , 2011, 6, e19441.	1.1	23
136	Data analysis programs for comprehensive two-dimensional chromatography. <i>Journal of Chromatography A</i> , 2009, 1216, 2923-2927.	1.8	22
137	Targeted Clinical Metabolite Profiling Platform for the Stratification of Diabetic Patients. <i>Metabolites</i> , 2019, 9, 184.	1.3	22
138	Determination of organic compounds from wood combustion aerosol nanoparticles by different gas chromatographic systems and by aerosol mass spectrometry. <i>Journal of Chromatography A</i> , 2010, 1217, 151-159.	1.8	21
139	Hyperosmolarity-induced lipid droplet formation depends on ceramide production by neutral sphingomyelinase 2. <i>Journal of Lipid Research</i> , 2012, 53, 2286-2295.	2.0	21
140	On-line coupled supercritical fluid extraction-liquid chromatography-gas chromatography-mass spectrometry for the analysis of organic acids. <i>Journal of Separation Science</i> , 2001, 13, 202-210.	1.0	20
141	Semi-rotating cryogenic modulator for comprehensive two-dimensional gas chromatography. <i>Analytical and Bioanalytical Chemistry</i> , 2003, 375, 725-731.	1.9	20
142	Solid-phase extraction or liquid chromatography coupled on-line with gas chromatography in the analysis of biological samples. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2005, 817, 13-21.	1.2	20
143	Serum Metabolites Associated with Computed Tomography Findings after Traumatic Brain Injury. <i>Journal of Neurotrauma</i> , 2018, 35, 2673-2683.	1.7	20
144	Cord-Blood Lipidome in Progression to Islet Autoimmunity and Type 1 Diabetes. <i>Biomolecules</i> , 2019, 9, 33.	1.8	19

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145	Early-life exposure to perfluorinated alkyl substances modulates lipid metabolism in progression to celiac disease. <i>Environmental Research</i> , 2020, 188, 109864.	3.7	19
146	Lipidomic and Metabolomic Signature of Progression of Chronic Kidney Disease in Patients with Severe Obesity. <i>Metabolites</i> , 2021, 11, 836.	1.3	19
147	The effect of atorvastatin treatment on serum oxysterol concentrations and cytochrome P450 3A4 activity. <i>British Journal of Clinical Pharmacology</i> , 2015, 80, 473-479.	1.1	18
148	The Metabolome in Finnish Carriers of the MYBPC3-Q1061X Mutation for Hypertrophic Cardiomyopathy. <i>PLoS ONE</i> , 2015, 10, e0134184.	1.1	18
149	Integration of non-target metabolomics and sensory analysis unravels vegetable plant metabolite signatures associated with sensory quality: A case study using dill (<i>Anethum graveolens</i>). <i>Food Chemistry</i> , 2021, 344, 128714.	4.2	18
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