

Tuulia Hytjäläinen

List of Publications by Year in descending order

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Version: 2024-02-01

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	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
2	Plasma lipid alterations in young adults with psychotic experiences: A study from the Avon Longitudinal Study of Parents and Children cohort. <i>Schizophrenia Research</i> , 2022, 243, 78-85.	1.1	2
3	Metabolic signatures across the full spectrum of non-alcoholic fatty liver disease. <i>JHEP Reports</i> , 2022, 4, 100477.	2.6	31
4	Serum metabolome associated with severity of acute traumatic brain injury. <i>Nature Communications</i> , 2022, 13, 2545.	5.8	29
5	Metabolic changes in cucumber leaves are enhanced by blue light but differentially affected by UV interactions with light signalling pathways in the visible spectrum.. <i>Plant Science</i> , 2022, 321, 111326.	1.7	7
6	Impact of Extensively Hydrolyzed Infant Formula on Circulating Lipids During Early Life. <i>Frontiers in Nutrition</i> , 2022, 9, .	1.6	3
7	Lipidomics in nutrition research. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2022, 25, 311-318.	1.3	1
8	Association Between Circulating Lipids and Future Weight Gain in Individuals With an At-Risk Mental State and in First-Episode Psychosis. <i>Schizophrenia Bulletin</i> , 2021, 47, 160-169.	2.3	9
9	Dysregulated Lipid Metabolism Precedes Onset of Psychosis. <i>Biological Psychiatry</i> , 2021, 89, 288-297.	0.7	42
10	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
11	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
12	Linking Gut Microbiome and Lipid Metabolism: Moving beyond Associations. <i>Metabolites</i> , 2021, 11, 55.	1.3	54
13	Analytical challenges in human exposome analysis with focus on environmental analysis combined with metabolomics. <i>Journal of Separation Science</i> , 2021, 44, 1769-1787.	1.3	12
14	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
15	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
16	Conjugated C-6 hydroxylated bile acids in serum relate to human metabolic health and gut Clostridia species. <i>Scientific Reports</i> , 2021, 11, 13252.	1.6	8
17	Glucosylceramide synthase deficiency in the heart compromises β^2 -adrenergic receptor trafficking. <i>European Heart Journal</i> , 2021, 42, 4481-4492.	1.0	14
18	Perfluoroalkyl substances are increased in patients with late-onset ulcerative colitis and induce intestinal barrier defects <i>ex vivo</i> in murine intestinal tissue. <i>Scandinavian Journal of Gastroenterology</i> , 2021, 56, 1286-1295.	0.6	8

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19	Overfeeding Saturated Fat Increases LDL (Low-Density Lipoprotein) Aggregation Susceptibility While Overfeeding Unsaturated Fat Decreases Proteoglycan-Binding of Lipoproteins. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2021, 41, 2823-2836.	1.1	12
20	Lipidomic Analyses Reveal Modulation of Lipid Metabolism by the PFAS Perfluoroundecanoic Acid (PFUnDA) in Non-Obese Diabetic Mice. <i>Frontiers in Genetics</i> , 2021, 12, 721507.	1.1	7
21	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
22	Exposure to per- and polyfluoroalkyl substances associates with an altered lipid composition of breast milk. <i>Environment International</i> , 2021, 157, 106855.	4.8	12
23	Prenatal exposure to poly-/per-fluoroalkyl substances is associated with alteration of lipid profiles in cord-blood. <i>Metabolomics</i> , 2021, 17, 103.	1.4	14
24	Potential Transdiagnostic Lipid Mediators of Inflammatory Activity in Individuals With Serious Mental Illness. <i>Frontiers in Psychiatry</i> , 2021, 12, 778325.	1.3	3
25	Quantitative genome-scale metabolic modeling of human CD4+ T cell differentiation reveals subset-specific regulation of glycosphingolipid pathways. <i>Cell Reports</i> , 2021, 37, 109973.	2.9	8
26	Lipidomic and Metabolomic Signature of Progression of Chronic Kidney Disease in Patients with Severe Obesity. <i>Metabolites</i> , 2021, 11, 836.	1.3	19
27	Development of novel robotic platforms for mechanical stress induction, and their effects on plant morphology, elements, and metabolism. <i>Scientific Reports</i> , 2021, 11, 23876.	1.6	4
28	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
29	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
30	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
31	Effects of a Lacto-Ovo-Vegetarian Diet on the Plasma Lipidome and Its Association with Atherosclerotic Burden in Patients with Coronary Artery Disease—A Randomized, Open-Label, Cross-over Study. <i>Nutrients</i> , 2020, 12, 3586.	1.7	17
32	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
33	The PNPLA3 rs148M variant increases polyunsaturated triglycerides in human adipose tissue. <i>Liver International</i> , 2020, 40, 2128-2138.	1.9	17
34	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
35	Integrative Analysis of Circulating Metabolite Profiles and Magnetic Resonance Imaging Metrics in Patients with Traumatic Brain Injury. <i>International Journal of Molecular Sciences</i> , 2020, 21, 1395.	1.8	12
36	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

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37	Metabolic alterations in immune cells associate with progression to type 1 diabetes. <i>Diabetologia</i> , 2020, 63, 1017-1031.	2.9	42
38	4 ^β -Hydroxycholesterol Signals From the Liver to Regulate Peripheral Cholesterol Transporters. <i>Frontiers in Pharmacology</i> , 2020, 11, 361.	1.6	12
39	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
40	Circulating metabolites in progression to islet autoimmunity and type 1 diabetes. <i>Diabetologia</i> , 2019, 62, 2287-2297.	2.9	30
41	Lipidomes in health and disease: Analytical strategies and considerations. <i>TrAC - Trends in Analytical Chemistry</i> , 2019, 120, 115664.	5.8	34
42	Targeted Clinical Metabolite Profiling Platform for the Stratification of Diabetic Patients. <i>Metabolites</i> , 2019, 9, 184.	1.3	22
43	Cord-Blood Lipidome in Progression to Islet Autoimmunity and Type 1 Diabetes. <i>Biomolecules</i> , 2019, 9, 33.	1.8	19
44	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
45	<p>Serum untargeted lipidomic profiling reveals dysfunction of phospholipid metabolism in subclinical coronary artery disease</p>. <i>Vascular Health and Risk Management</i> , 2019, Volume 15, 123-135.	1.0	29
46	Deficient Endoplasmic Reticulum-Mitochondrial Phosphatidylserine Transfer Causes Liver Disease. <i>Cell</i> , 2019, 177, 881-895.e17.	13.5	209
47	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
48	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
49	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
50	Human PNPLA3-I148M variant increases hepatic retention of polyunsaturated fatty acids. <i>JCI Insight</i> , 2019, 4, .	2.3	93
51	Platform for systems medicine research and diagnostic applications in psychotic disorders"The METSY project. <i>European Psychiatry</i> , 2018, 50, 40-46.	0.1	14
52	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
53	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
54	An Overview of Metabolomics Data Analysis: Current Tools and Future Perspectives. <i>Comprehensive Analytical Chemistry</i> , 2018, 82, 387-413.	0.7	52

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55	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
56	Serum Metabolites Associated with Computed Tomography Findings after Traumatic Brain Injury. <i>Journal of Neurotrauma</i> , 2018, 35, 2673-2683.	1.7	20
57	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
58	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
59	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
60	Longitudinal plasma metabolic profiles, infant feeding, and islet autoimmunity in the MIDIA study. <i>Pediatric Diabetes</i> , 2017, 18, 111-119.	1.2	12
61	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
62	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
63	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
64	Metabolomics Profiling As a Diagnostic Tool in Severe Traumatic Brain Injury. <i>Frontiers in Neurology</i> , 2017, 8, 398.	1.1	36
65	Targeted Serum Metabolite Profiling Identifies Metabolic Signatures in Patients with Alzheimer's Disease, Normal Pressure Hydrocephalus and Brain Tumor. <i>Frontiers in Neuroscience</i> , 2017, 11, 747.	1.4	14
66	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
67	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
68	The Dynamics of the Human Infant Gut Microbiome in Development and in Progression toward Type 1 Diabetes. <i>Cell Host and Microbe</i> , 2016, 20, 121.	5.1	7
69	Imbalance of plasma amino acids, metabolites and lipids in patients with lysinuric protein intolerance (LPI). <i>Metabolism: Clinical and Experimental</i> , 2016, 65, 1361-1375.	1.5	9
70	Human gut microbes impact host serum metabolome and insulin sensitivity. <i>Nature</i> , 2016, 535, 376-381.	18.7	1,506
71	Human Serum Metabolites Associate With Severity and Patient Outcomes in Traumatic Brain Injury. <i>EBioMedicine</i> , 2016, 12, 118-126.	2.7	76
72	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

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73	Prolonged sleep restriction induces changes in pathways involved in cholesterol metabolism and inflammatory responses. <i>Scientific Reports</i> , 2016, 6, 24828.	1.6	72
74	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
75	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
76	Bioanalytical techniques in nontargeted clinical lipidomics. <i>Bioanalysis</i> , 2016, 8, 351-364.	0.6	37
77	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
78	The Metabolome in Finnish Carriers of the MYBPC3-Q1061X Mutation for Hypertrophic Cardiomyopathy. <i>PLoS ONE</i> , 2015, 10, e0134184.	1.1	18
79	Methods for characterization of organic compounds in atmospheric aerosol particles. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 5877-5897.	1.9	28
80	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
81	Role of Microbiota in Regulating Host Lipid Metabolism and Disease Risk. <i>Molecular and Integrative Toxicology</i> , 2015, , 235-260.	0.5	1
82	The influence of sample collection methodology and sample preprocessing on the blood metabolic profile. <i>Bioanalysis</i> , 2015, 7, 991-1006.	0.6	32
83	Optimizing the lipidomics workflow for clinical studies – practical considerations. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 4973-4993.	1.9	70
84	Analytical Lipidomics in Metabolic and Clinical Research. <i>Trends in Endocrinology and Metabolism</i> , 2015, 26, 671-673.	3.1	24
85	Serum Lipid and Serum Metabolite Components in relation to anthropometric parameters in EPIC-Potsdam participants. <i>Metabolism: Clinical and Experimental</i> , 2015, 64, 1348-1358.	1.5	8
86	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
87	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
88	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
89	MS-Based Lipidomics. <i>Comprehensive Analytical Chemistry</i> , 2014, 64, 375-393.	0.7	0
90	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

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91	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
92	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
93	High-Dose Simvastatin Exhibits Enhanced Lipid-Lowering Effects Relative to Simvastatin/Ezetimibe Combination Therapy. <i>Circulation: Cardiovascular Genetics</i> , 2014, 7, 955-964.	5.1	13
94	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
95	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
96	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
97	Characterising metabolically healthy obesity in weight-discordant monozygotic twins. <i>Diabetologia</i> , 2014, 57, 167-176.	2.9	118
98	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
99	Systems biology strategies to study lipidomes in health and disease. <i>Progress in Lipid Research</i> , 2014, 55, 43-60.	5.3	71
100	Metabolomics in the Systems-Level Study of the Metabolic Syndrome. , 2014, , 213-236.		2
101	Ceramides in the Pathophysiology of the Anterior Segment of the Eye. <i>Current Eye Research</i> , 2013, 38, 1006-1016.	0.7	16
102	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
103	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
104	Steroid and steroid glucuronide profiles in urine during pregnancy determined by liquid chromatography-electrospray ionization-tandem mass spectrometry. <i>Analytica Chimica Acta</i> , 2013, 802, 56-66.	2.6	12
105	Decreased Cord-Blood Phospholipids in Young Age-at-Onset Type 1 Diabetes. <i>Diabetes</i> , 2013, 62, 3951-3956.	0.3	83
106	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
107	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
108	Professor Marja-Liisa Riekkola's 60th birthday. <i>Journal of Chromatography A</i> , 2013, 1317, 1-2.	1.8	0

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109	Lipidomics in nutrition and food research. <i>Molecular Nutrition and Food Research</i> , 2013, 57, 1306-1318.	1.5	60
110	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
111	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
112	Cord Serum Lipidome in Prediction of Islet Autoimmunity and Type 1 Diabetes. <i>Diabetes</i> , 2013, 62, 3268-3274.	0.3	81
113	Data Handling. <i>RSC Chromatography Monographs</i> , 2013, , 183-194.	0.1	0
114	Mass Spectrometric Detection for Chromatography. <i>RSC Chromatography Monographs</i> , 2013, , 43-63.	0.1	0
115	Sample Collection, Storage and Preparation. <i>RSC Chromatography Monographs</i> , 2013, , 11-42.	0.1	3
116	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
117	Selection of Analytical Methodology for Metabolomics. <i>RSC Chromatography Monographs</i> , 2013, , 1-10.	0.1	1
118	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
119	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
120	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
121	Metabolomic analysis of polar metabolites in lipoprotein fractions identifies lipoprotein-specific metabolic profiles and their association with insulin resistance. <i>Molecular BioSystems</i> , 2012, 8, 2559.	2.9	12
122	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
123	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
124	Chromatographic lipid profiling of stress-exposed cells. <i>Journal of Separation Science</i> , 2012, 35, 1845-1853.	1.3	3
125	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
126	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

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127	Metabolome in progression to Alzheimer's disease. <i>Translational Psychiatry</i> , 2011, 1, e57-e57.	2.4	238
128	Metabolome in schizophrenia and other psychotic disorders: a general population-based study. <i>Genome Medicine</i> , 2011, 3, 19.	3.6	131
129	Drug metabolome of the Simvastatin formed by human intestinal microbiota in vitro. <i>Molecular BioSystems</i> , 2011, 7, 437-446.	2.9	44
130	Exome Sequencing Identifies Mitochondrial Alanyl-tRNA Synthetase Mutations in Infantile Mitochondrial Cardiomyopathy. <i>American Journal of Human Genetics</i> , 2011, 88, 635-642.	2.6	229
131	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
132	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
133	Association of Lipidome Remodeling in the Adipocyte Membrane with Acquired Obesity in Humans. <i>PLoS Biology</i> , 2011, 9, e1000623.	2.6	213
134	Spatial Distribution of Glycerophospholipids in the Ocular Lens. <i>PLoS ONE</i> , 2011, 6, e19441.	1.1	23
135	Novel, dynamic on-line analytical separation system for dissolution of drugs from poly(lactic acid) nanoparticles. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2010, 51, 125-130.	1.4	10
136	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
137	Analytical methodologies utilized in the search for chronic disease biomarkers. <i>Bioanalysis</i> , 2010, 2, 919-923.	0.6	8
138	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
139	Critical evaluation of sample pretreatment techniques. <i>Analytical and Bioanalytical Chemistry</i> , 2009, 394, 743-758.	1.9	148
140	Data analysis programs for comprehensive two-dimensional chromatography. <i>Journal of Chromatography A</i> , 2009, 1216, 2923-2927.	1.8	22
141	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
142	Chapter 8 Air and Aerosols. <i>Comprehensive Analytical Chemistry</i> , 2009, , 167-188.	0.7	0
143	Comprehensive two-dimensional liquid chromatography coupled with mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2008, 391, 21-31.	1.9	43
144	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

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145	Modified semi-rotating cryogenic modulator for comprehensive two-dimensional gas chromatography. <i>Analytical and Bioanalytical Chemistry</i> , 2008, 391, 2357-2363.	1.9	8
146	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
147	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
148	On-line coupling of extraction with gas chromatography. <i>Journal of Chromatography A</i> , 2008, 1186, 39-50.	1.8	33
149	Simple calibration procedure for comprehensive two-dimensional gas chromatography. <i>Journal of Chromatography A</i> , 2008, 1200, 264-267.	1.8	7
150	The role of VOC oxidation products in continental new particle formation. <i>Atmospheric Chemistry and Physics</i> , 2008, 8, 2657-2665.	1.9	202
151	Comprehensive Two-Dimensional Field-Flow Fractionation-Liquid Chromatography in the Analysis of Large Molecules. <i>Analytical Chemistry</i> , 2007, 79, 3091-3098.	3.2	11
152	Characterisation of Stevia Rebaudiana by comprehensive two-dimensional liquid chromatography time-of-flight mass spectrometry. <i>Journal of Chromatography A</i> , 2007, 1150, 85-92.	1.8	135
153	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
154	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
155	Quantitative aspects in comprehensive two-dimensional gas chromatography. <i>Journal of Chromatography A</i> , 2007, 1148, 228-235.	1.8	28
156	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
157	Characterization of organic compounds in aerosol particles from a coniferous forest by GC-MS. <i>Chemosphere</i> , 2006, 64, 1185-1195.	4.2	62
158	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
159	Comprehensive two-dimensional liquid chromatography-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
160	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
161	Solutions for Online Coupling of Extraction and Chromatography in the Analysis of Food and Agricultural Samples. <i>ACS Symposium Series</i> , 2006, , 109-125.	0.5	1
162	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

#	ARTICLE	IF	CITATIONS
163	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
164	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
165	Identification of organic compounds in atmospheric aerosol particles by on-line supercritical fluid extraction-liquid chromatography-gas chromatography-mass spectrometry. <i>Journal of Chromatography A</i> , 2004, 1022, 151-159.	1.8	64
166	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
167	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
168	Perspectives of on-line coupled liquid chromatography-gas chromatography. <i>Analytical and Bioanalytical Chemistry</i> , 2004, 378, 1936-1938.	1.9	9
169	Approaches for on-line coupling of extraction and chromatography. <i>Analytical and Bioanalytical Chemistry</i> , 2004, 378, 1962-1981.	1.9	77
170	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
171	Comparison of different trapping methods for pressurised hot water extraction. <i>Journal of Chromatography A</i> , 2004, 1025, 41-49.	1.8	17
172	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
173	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
174	Semi-rotating cryogenic modulator for comprehensive two-dimensional gas chromatography. <i>Analytical and Bioanalytical Chemistry</i> , 2003, 375, 725-731.	1.9	20
175	Effect of extraction vessel geometry and flow homogeneity on recoveries of polycyclic aromatic hydrocarbons in pressurised hot water extraction. <i>Analytical and Bioanalytical Chemistry</i> , 2003, 376, 1081-1088.	1.9	11
176	Factors affecting microporous membrane liquid-liquid extraction. <i>Journal of Separation Science</i> , 2003, 26, 893-902.	1.3	9
177	On-line coupled liquid chromatography-gas chromatography. <i>Journal of Chromatography A</i> , 2003, 1000, 357-384.	1.8	66
178	Comprehensive two-dimensional gas chromatography in the analysis of urban aerosols. <i>Journal of Chromatography A</i> , 2003, 1019, 251-260.	1.8	68
179	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
180	Stability of polycyclic aromatic hydrocarbons in pressurised hot water. <i>Analyst, The</i> , 2003, 128, 150-155.	1.7	37

#	ARTICLE	IF	CITATIONS
181	Modulator Design for Comprehensive Two-Dimensional Gas Chromatography: Quantitative Analysis of Polyaromatic Hydrocarbons and Polychlorinated Biphenyls. <i>Analytical Chemistry</i> , 2002, 74, 4441-4446.	3.2	70
182	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
183	Nonaqueous capillary electrophoresis with alcoholic background electrolytes: Separation efficiency under high electrical field strengths. <i>Electrophoresis</i> , 2002, 23, 393.	1.3	25
184	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
185	Determination of brominated flame retardants in environmental samples. <i>TrAC - Trends in Analytical Chemistry</i> , 2002, 21, 13-30.	5.8	111
186	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
187	Pressurised hot water extraction coupled on-line with liquid chromatography-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
188	Determination of biogenic amines in wine by multidimensional liquid chromatography with online derivatisation. <i>Analyst</i> , 2001, 126, 2124-2127.	1.7	35
189	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
190	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
191	Extremely high electric field strengths in non-aqueous capillary electrophoresis. <i>Journal of Chromatography A</i> , 2001, 916, 89-99.	1.8	39
192	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
193	Pressurized Hot Water Extraction Coupled On-line with LC-GC: Determination of Polyaromatic Hydrocarbons in Sediment. <i>Analytical Chemistry</i> , 2000, 72, 3070-3076.	3.2	73
194	On-Line Coupled Liquid Chromatography - Gas Chromatography in the Analysis of Process Samples. <i>Journal of High Resolution Chromatography</i> , 1999, 22, 261-264.	2.0	1
195	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
196	Direct coupling of reversed-phase liquid chromatography to gas chromatography. <i>Journal of Chromatography A</i> , 1998, 819, 13-24.	1.8	26
197	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
198	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

#	ARTICLE	IF	CITATIONS
199	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
200	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
201	Screening of four beta-blockers and codeine in urine by on-line coupled RPLC-GC with on-line derivatization. <i>Journal of High Resolution Chromatography</i> , 1996, 19, 439-443.	2.0	11