Matej Oresic

List of Publications by Year
in descending order

339 papers	33,198 citations	4146 87 h-index	4885 168 g-index
371 all docs	371 docs citations	371 times ranked	43611 citing authors

#	Article	IF	Citations
1	Exposure to environmental contaminants is associated with altered hepatic lipid metabolism in non-alcoholic fatty liver disease. Journal of Hepatology, 2022, 76, 283-293.	3.7	106
2	Increased serum miR-193a-5p during non-alcoholic fatty liver disease progression: Diagnostic and mechanistic relevance. JHEP Reports, 2022, 4, 100409.	4.9	20
3	Analysis of the SYSDIET Healthy Nordic Diet randomized trial based on metabolic profiling reveal beneficial effects on glucose metabolism and blood lipids. Clinical Nutrition, 2022, 41, 441-451.	5.0	8
4	Neurocognitive correlates of probable posttraumatic stress disorder following traumatic brain injury. Brain and Spine, 2022, 2, 100854.	0.1	5
5	Effect of frailty on 6-month outcome after traumatic brain injury: a multicentre cohort study with external validation. Lancet Neurology, The, 2022, 21, 153-162.	10.2	34
6	Glycomic and Glycoproteomic Techniques in Neurodegenerative Disorders and Neurotrauma: Towards Personalized Markers. Cells, 2022, 11, 581.	4.1	13
7	Permutation-based significance analysis reduces the type 1 error rate in bisulphite sequencing data analysis of human umbilical cord blood samples. Epigenetics, 2022, 17, 1608-1627.	2.7	4
8	A genome-wide association study of outcome from traumatic brain injury. EBioMedicine, 2022, 77, 103933.	6.1	17
9	Vibrational Spectroscopy for the Triage of Traumatic Brain Injury Computed Tomography Priority and Hospital Admissions. Journal of Neurotrauma, 2022, 39, 773-783.	3.4	3
10	Plasma lipid alterations in young adults with psychotic experiences: A study from the Avon Longitudinal Study of Parents and Children cohort. Schizophrenia Research, 2022, 243, 78-85.	2.0	2
11	Metabolic signatures across the full spectrum of non-alcoholic fatty liver disease. JHEP Reports, 2022, 4, 100477.	4.9	31
12	Extended Coagulation Profiling in Isolated Traumatic Brain Injury: A CENTER-TBI Analysis. Neurocritical Care, 2022, 36, 927-941.	2.4	4
13	Surgery versus conservative treatment for traumatic acute subdural haematoma: a prospective, multicentre, observational, comparative effectiveness study. Lancet Neurology, The, 2022, 21, 620-631.	10.2	26
14	Serum metabolome associated with severity of acute traumatic brain injury. Nature Communications, 2022, 13, 2545.	12.8	29
15	Impact of Extensively Hydrolyzed Infant Formula on Circulating Lipids During Early Life. Frontiers in Nutrition, 2022, 9, .	3.7	3
16	Health care utilization and outcomes in older adults after Traumatic Brain Injury: A CENTER-TBI study. Injury, 2022, 53, 2774-2782.	1.7	11
17	Umbilical cord blood DNA methylation in children who later develop type 1 diabetes. Diabetologia, 2022, 65, 1534-1540.	6.3	4
18	Lipidomics in nutrition research. Current Opinion in Clinical Nutrition and Metabolic Care, 2022, 25, 311-318.	2.5	1

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19	Prediction of Global Functional Outcome and Post-Concussive Symptoms after Mild Traumatic Brain Injury: External Validation of Prognostic Models in the Collaborative European NeuroTrauma Effectiveness Research in Traumatic Brain Injury (CENTER-TBI) Study. Journal of Neurotrauma, 2021, 38, 196-209.	3.4	20
20	Differences between Men and Women in Treatment and Outcome after Traumatic Brain Injury. Journal of Neurotrauma, 2021, 38, 235-251.	3.4	39
21	Association Between Circulating Lipids and Future Weight Gain in Individuals With an At-Risk Mental State and in First-Episode Psychosis. Schizophrenia Bulletin, 2021, 47, 160-169.	4.3	9
22	Dysregulated Lipid Metabolism Precedes Onset of Psychosis. Biological Psychiatry, 2021, 89, 288-297.	1.3	42
23	Frequency of fatigue and its changes in the first 6 months after traumatic brain injury: results from the CENTER-TBI study. Journal of Neurology, 2021, 268, 61-73.	3.6	12
24	Systems biology approaches to study lipidomes in health and disease. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2021, 1866, 158857.	2.4	31
25	Outcome Prediction after Moderate and Severe Traumatic Brain Injury: External Validation of Two Established Prognostic Models in 1742 European Patients. Journal of Neurotrauma, 2021, 38, 1377-1388.	3.4	23
26	Global Characterisation of Coagulopathy in Isolated Traumatic Brain Injury (iTBI): A CENTER-TBI Analysis. Neurocritical Care, 2021, 35, 184-196.	2.4	21
27	Deep learning meets metabolomics: a methodological perspective. Briefings in Bioinformatics, 2021, 22, 1531-1542.	6.5	59
28	Linking Gut Microbiome and Lipid Metabolism: Moving beyond Associations. Metabolites, 2021, 11, 55.	2.9	54
29	The Role of Omic Technologies in the Study of the Human Gut Microbiome. , 2021, , 469-481.		0
30	1â€Deoxyceramides â€" Key players in lipotoxicity and progression to type 2 diabetes?. Acta Physiologica, 2021, 232, e13635.	3.8	4
31	Persistent postconcussive symptoms in children and adolescents with mild traumatic brain injury receiving initial head computed tomography. Journal of Neurosurgery: Pediatrics, 2021, 27, 538-547.	1.3	4
32	Activation of pregnane X receptor induces atherogenic lipids and PCSK9 by a SREBP2â€mediated mechanism. British Journal of Pharmacology, 2021, 178, 2461-2481.	5.4	23
33	Human and preclinical studies of the hostâ€"gut microbiome co-metabolite hippurate as a marker and mediator of metabolic health. Gut, 2021, 70, 2105-2114.	12.1	58
34	Conjugated C-6 hydroxylated bile acids in serum relate to human metabolic health and gut Clostridia species. Scientific Reports, 2021, 11, 13252.	3.3	8
35	Interpreting the lipidome: bioinformatic approaches to embrace the complexity. Metabolomics, 2021, 17, 55.	3.0	7
36	Missing Data in Prediction Research: A Five-Step Approach for Multiple Imputation, Illustrated in the CENTER-TBI Study. Journal of Neurotrauma, 2021, 38, 1842-1857.	3.4	16

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37	Management of arterial partial pressure of carbon dioxide in the first week after traumatic brain injury: results from the CENTER-TBI study. Intensive Care Medicine, 2021, 47, 961-973.	8.2	11
38	Glucosylceramide synthase deficiency in the heart compromises Î²1-adrenergic receptor trafficking. European Heart Journal, 2021, 42, 4481-4492.	2.2	14
39	Perfluoroalkyl substances are increased in patients with late-onset ulcerative colitis and induce intestinal barrier defects<i>ex vivo</i>in murine intestinal tissue. Scandinavian Journal of Gastroenterology, 2021, 56, 1286-1295.	1.5	8
40	Allostatic hypermetabolic response in PGC1Î±/Î² heterozygote mouse despite mitochondrial defects. FASEB Journal, 2021, 35, e21752.	0.5	2
41	Fluid balance and outcome in critically ill patients with traumatic brain injury (CENTER-TBI and) Tj ETQq1 1 0.784314 rgBT /Overlock 10 20, 627-638.	10.2	40
42	Occurrence and timing of withdrawal of life-sustaining measures in traumatic brain injury patients: a CENTER-TBI study. Intensive Care Medicine, 2021, 47, 1115-1129.	8.2	31
43	Primary versus early secondary referral to a specialized neurotrauma center in patients with moderate/severe traumatic brain injury: a CENTER TBI study. Scandinavian Journal of Trauma, Resuscitation and Emergency Medicine, 2021, 29, 113.	2.6	8
44	Lipidomic Analyses Reveal Modulation of Lipid Metabolism by the PFAS Perfluoroundecanoic Acid (PFUnDA) in Non-Obese Diabetic Mice. Frontiers in Genetics, 2021, 12, 721507.	2.3	7
45	Pathological Computed Tomography Features Associated With Adverse Outcomes After Mild Traumatic Brain Injury. JAMA Neurology, 2021, 78, 1137.	9.0	53
46	Metabolomics and lipidomics in NAFLD: biomarkers and non-invasive diagnostic tests. Nature Reviews Gastroenterology and Hepatology, 2021, 18, 835-856.	17.8	183
47	Diagnostic accuracy of elastography and magnetic resonance imaging in patients with NAFLD: A systematic review and meta-analysis. Journal of Hepatology, 2021, 75, 770-785.	3.7	149
48	Exposure to per- and polyfluoroalkyl substances associates with an altered lipid composition of breast milk. Environment International, 2021, 157, 106855.	10.0	12
49	Explaining Outcome Differences between Men and Women following Mild Traumatic Brain Injury. Journal of Neurotrauma, 2021, 38, 3315-3331.	3.4	34
50	Potential Transdiagnostic Lipid Mediators of Inflammatory Activity in Individuals With Serious Mental Illness. Frontiers in Psychiatry, 2021, 12, 778325.	2.6	3
51	Questionnaires vs Interviews for the Assessment of Global Functional Outcomes After Traumatic Brain Injury. JAMA Network Open, 2021, 4, e2134121.	5.9	5
52	Quantitative genome-scale metabolic modeling of human CD4+ TÂcell differentiation reveals subset-specific regulation of glycosphingolipid pathways. Cell Reports, 2021, 37, 109973.	6.4	8
53	Can We Cluster ICU Treatment Strategies for Traumatic Brain Injury by Hospital Treatment Preferences?. Neurocritical Care, 2021, , 1.	2.4	3
54	Lipidomic and Metabolomic Signature of Progression of Chronic Kidney Disease in Patients with Severe Obesity. Metabolites, 2021, 11, 836.	2.9	19

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55	Toward a New Multi-Dimensional Classification of Traumatic Brain Injury: A Collaborative European NeuroTrauma Effectiveness Research for Traumatic Brain Injury Study. Journal of Neurotrauma, 2020, 37, 1002-1010.	3.4	20
56	Prognostic Validation of the NINDS Common Data Elements for the Radiologic Reporting of Acute Traumatic Brain Injuries: A CENTER-TBI Study. Journal of Neurotrauma, 2020, 37, 1269-1282.	3.4	10
57	Simultaneous determination of perfluoroalkyl substances and bile acids in human serum using ultra-high-performance liquid chromatographyâ€"tandem mass spectrometry. Analytical and Bioanalytical Chemistry, 2020, 412, 2251-2259.	3.7	48
58	Early-life exposure to perfluorinated alkyl substances modulates lipid metabolism in progression to celiac disease. Environmental Research, 2020, 188, 109864.	7.5	19
59	Metabolic Signatures of the Exposomeâ€"Quantifying the Impact of Exposure to Environmental Chemicals on Human Health. Metabolites, 2020, 10, 454.	2.9	25
60	Transcriptomic profiling across the nonalcoholic fatty liver disease spectrum reveals gene signatures for steatohepatitis and fibrosis. Science Translational Medicine, 2020, 12, .	12.4	205
61	Predictors of Access to Rehabilitation in the Year Following Traumatic Brain Injury: A European Prospective and Multicenter Study. Neurorehabilitation and Neural Repair, 2020, 34, 814-830.	2.9	12
62	Tracheal intubation in traumatic brain injury: a multicentre prospective observational study. British Journal of Anaesthesia, 2020, 125, 505-517.	3.4	19
63	Health-related quality of life after traumatic brain injury: deriving value sets for the QOLIBRI-OS for Italy, The Netherlands and The United Kingdom. Quality of Life Research, 2020, 29, 3095-3107.	3.1	4
64	Links between central CB1-receptor availability and peripheral endocannabinoids in patients with first episode psychosis. NPJ Schizophrenia, 2020, 6, 21.	3.6	23
65	Metabolism of human liver on a genome scale in non-alcoholic fatty liver disease. Journal of Hepatology, 2020, 73, S671-S672.	3.7	0
66	Metabolomics approaches to identify biomarkers of non-alcoholic fatty liver disease. Journal of Hepatology, 2020, 73, S438.	3.7	0
67	The PNPLA3â€‹148M variant increases polyunsaturated triglycerides in human adipose tissue. Liver International, 2020, 40, 2128-2138.	3.9	17
68	Impact of Antithrombotic Agents on Radiological Lesion Progression in Acute Traumatic Brain Injury: A CENTER-TBI Propensity-Matched Cohort Analysis. Journal of Neurotrauma, 2020, 37, 2069-2080.	3.4	22
69	How do 66 European institutional review boards approve one protocol for an international prospective observational study on traumatic brain injury? Experiences from the CENTER-TBI study. BMC Medical Ethics, 2020, 21, 36.	2.4	10
70	MARC1 variant rs2642438 increases hepatic phosphatidylcholines and decreases severity of non-alcoholic fatty liver disease in humans. Journal of Hepatology, 2020, 73, 725-726.	3.7	39
71	Building an international consortium for tracking coronavirus health status. Nature Medicine, 2020, 26, 1161-1165.	30.7	23
72	Comparison of Care System and Treatment Approaches for Patients with Traumatic Brain Injury in China versus Europe: A CENTER-TBI Survey Study. Journal of Neurotrauma, 2020, 37, 1806-1817.	3.4	12

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73	Machine learning algorithms performed no better than regression models for prognostication in traumatic brain injury. Journal of Clinical Epidemiology, 2020, 122, 95-107.	5.0	117
74	Double Derivatization Strategy for High-Sensitivity and High-Coverage Localization of Double Bonds in Free Fatty Acids by Mass Spectrometry. Analytical Chemistry, 2020, 92, 6446-6455.	6.5	23
75	Integrative Analysis of Circulating Metabolite Profiles and Magnetic Resonance Imaging Metrics in Patients with Traumatic Brain Injury. International Journal of Molecular Sciences, 2020, 21, 1395.	4.1	12
76	Prenatal exposure to perfluoroalkyl substances modulates neonatal serum phospholipids, increasing risk of type 1 diabetes. Environment International, 2020, 143, 105935.	10.0	38
77	Metabolic alterations in immune cells associate with progression to type 1 diabetes. Diabetologia, 2020, 63, 1017-1031.	6.3	42
78	Enhanced liver fibrosis test for the non-invasive diagnosis of fibrosis in patients with NAFLD: A systematic review and meta-analysis. Journal of Hepatology, 2020, 73, 252-262.	3.7	170
79	4β-Hydroxycholesterol Signals From the Liver to Regulate Peripheral Cholesterol Transporters. Frontiers in Pharmacology, 2020, 11, 361.	3.5	12
80	Informed consent procedures in patients with an acute inability to provide informed consent: Policy and practice in the CENTER-TBI study. Journal of Critical Care, 2020, 59, 6-15.	2.2	8
81	Hydroxysteroid 17-β dehydrogenase 13 variant increases phospholipids and protects against fibrosis in nonalcoholic fatty liver disease. JCI Insight, 2020, 5, .	5.0	62
82	Metabolomics Analytics Workflow for Epidemiological Research: Perspectives from the Consortium of Metabolomics Studies (COMETS). Metabolites, 2019, 9, 145.	2.9	30
83	Circulating metabolites in progression to islet autoimmunity and type 1 diabetes. Diabetologia, 2019, 62, 2287-2297.	6.3	30
84	Case-mix, care pathways, and outcomes in patients with traumatic brain injury in CENTER-TBI: a European prospective, multicentre, longitudinal, cohort study. Lancet Neurology, The, 2019, 18, 923-934.	10.2	304
85	Lipidomes in health and disease: Analytical strategies and considerations. TrAC - Trends in Analytical Chemistry, 2019, 120, 115664.	11.4	34
86	Targeted Clinical Metabolite Profiling Platform for the Stratification of Diabetic Patients. Metabolites, 2019, 9, 184.	2.9	22
87	Metabolic Modeling of Human Gut Microbiota on a Genome Scale: An Overview. Metabolites, 2019, 9, 22.	2.9	66
88	Cord-Blood Lipidome in Progression to Islet Autoimmunity and Type 1 Diabetes. Biomolecules, 2019, 9, 33.	4.0	19
89	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. Biological Psychiatry, 2019, 86, 25-34.	1.3	26
90	Deficient Endoplasmic Reticulum-Mitochondrial Phosphatidylserine Transfer Causes Liver Disease. Cell, 2019, 177, 881-895.e17.	28.9	209

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91	The Consortium of Metabolomics Studies (COMETS): Metabolomics in 47 Prospective Cohort Studies. American Journal of Epidemiology, 2019, 188, 991-1012.	3.4	81
92	Persistent Alterations in Plasma Lipid Profiles Before Introduction of Gluten in the Diet Associated With Progression to Celiac Disease. Clinical and Translational Gastroenterology, 2019, 10, e00044.	2.5	30
93	Effect of perfluorooctanesulfonic acid (PFOS) on the liver lipid metabolism of the developing chicken embryo. Ecotoxicology and Environmental Safety, 2019, 170, 691-698.	6.0	28
94	Human PNPLA3-I148M variant increases hepatic retention of polyunsaturated fatty acids. JCI Insight, 2019, 4, .	5.0	93
95	Platform for systems medicine research and diagnostic applications in psychotic disorders—The METSY project. European Psychiatry, 2018, 50, 40-46.	0.2	14
96	Gut metabolome meets microbiome: A methodological perspective to understand the relationship between host and microbe. Methods, 2018, 149, 3-12.	3.8	123
97	Analysis of microbiota in first episode psychosis identifies preliminary associations with symptom severity and treatment response. Schizophrenia Research, 2018, 192, 398-403.	2.0	252
98	Use of Blood Biomarkers in the Assessment of Sports-Related Concussion—A Systematic Review in the Context of Their Biological Significance. Clinical Journal of Sport Medicine, 2018, 28, 561-571.	1.8	31
99	Lipidome as a predictive tool in progression to type 2 diabetes in Finnish men. Metabolism: Clinical and Experimental, 2018, 78, 1-12.	3.4	117
100	Brain death and postmortem organ donation: report of a questionnaire from the CENTER-TBI study. Critical Care, 2018, 22, 306.	5.8	11
101	A computational framework to integrate high-throughput 'omics' datasets for the identification of potential mechanistic links. Nature Protocols, 2018, 13, 2781-2800.	12.0	82
102	An Overview of Metabolomics Data Analysis: Current Tools and Future Perspectives. Comprehensive Analytical Chemistry, 2018, 82, 387-413.	1.3	52
103	Saturated Fat Is More Metabolically Harmful for the Human Liver Than Unsaturated Fat or Simple Sugars. Diabetes Care, 2018, 41, 1732-1739.	8.6	266
104	Serum Metabolites Associated with Computed Tomography Findings after Traumatic Brain Injury. Journal of Neurotrauma, 2018, 35, 2673-2683.	3.4	20
105	42.3 METABOLOMICS APPROACHES TO STUDY METABOLIC CO-MORBIDITIES IN PSYCHOTIC DISORDERS. Schizophrenia Bulletin, 2018, 44, S69-S69.	4.3	2
106	Dynamics of Plasma Lipidome in Progression to Islet Autoimmunity and Type 1 Diabetes – Type 1 Diabetes Prediction and Prevention Study (DIPP). Scientific Reports, 2018, 8, 10635.	3.3	56
107	MS-based lipidomics of human blood plasma: a community-initiated position paper to develop accepted guidelines. Journal of Lipid Research, 2018, 59, 2001-2017.	4.2	231
108	Serum, plasma and erythrocyte membrane lipidomes in infants fed formula supplemented with bovine milk fat globule membranes. Pediatric Research, 2018, 84, 726-732.	2.3	32

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109	A longitudinal plasma lipidomics dataset from children who developed islet autoimmunity and type 1 diabetes. Scientific Data, 2018, 5, 180250.	5.3	23
110	Longitudinal plasma metabolic profiles, infant feeding, and islet autoimmunity in the MIDIA study. Pediatric Diabetes, 2017, 18, 111-119.	2.9	12
111	Sphingolipids and glycerophospholipids – The "ying and yang" of lipotoxicity in metabolic diseases. Progress in Lipid Research, 2017, 66, 14-29.	11.6	96
112	Impaired hepatic lipid synthesis from polyunsaturated fatty acids in TM6SF2 E167K variant carriers with NAFLD. Journal of Hepatology, 2017, 67, 128-136.	3.7	97
113	Lipidomics in biomedical research-practical considerations. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2017, 1862, 800-803.	2.4	28
114	Harmonizing lipidomics: NIST interlaboratory comparison exercise for lipidomics using SRM 1950–Metabolites in Frozen Human Plasma. Journal of Lipid Research, 2017, 58, 2275-2288.	4.2	312
115	Hypothalamic AMPK-ER Stress-JNK1 Axis Mediates the Central Actions of Thyroid Hormones on Energy Balance. Cell Metabolism, 2017, 26, 212-229.e12.	16.2	167
116	Identification of a plasma signature of psychotic disorder in children and adolescents from the Avon Longitudinal Study of Parents and Children (ALSPAC) cohort. Translational Psychiatry, 2017, 7, e1240-e1240.	4.8	38
117	PPARγ Modulates Long Chain Fatty Acid Processing in the Intestinal Epithelium. International Journal of Molecular Sciences, 2017, 18, 2559.	4.1	43
118	Metabolomics Profiling As a Diagnostic Tool in Severe Traumatic Brain Injury. Frontiers in Neurology, 2017, 8, 398.	2.4	36
119	Variation in monitoring and treatment policies for intracranial hypertension in traumatic brain injury: a survey in 66 neurotrauma centers participating in the CENTER-TBI study. Critical Care, 2017, 21, 233.	5.8	88
120	Perspectives on Systems Modeling of Human Peripheral Blood Mononuclear Cells. Frontiers in Molecular Biosciences, 2017, 4, 96.	3.5	65
121	Targeted Serum Metabolite Profiling Identifies Metabolic Signatures in Patients with Alzheimer's Disease, Normal Pressure Hydrocephalus and Brain Tumor. Frontiers in Neuroscience, 2017, 11, 747.	2.8	14
122	A Healthy Nordic Diet Alters the Plasma Lipidomic Profile in Adults with Features of Metabolic Syndrome in a Multicenter Randomized Dietary Intervention. Journal of Nutrition, 2016, 146, 662-672.	2.9	68
123	Variation in Structure and Process of Care in Traumatic Brain Injury: Provider Profiles of European Neurotrauma Centers Participating in the CENTER-TBI Study. PLoS ONE, 2016, 11, e0161367.	2.5	50
124	Metabolic transformations of dietary polyphenols: comparison between in vitro colonic and hepatic models and in vivo urinary metabolites. Journal of Nutritional Biochemistry, 2016, 33, 111-118.	4.2	37
125	Metabolomics enables precision medicine: "A White Paper, Community Perspective". Metabolomics, 2016, 12, 149.	3.0	434
126	The MBOAT7 variant rs641738 alters hepatic phosphatidylinositols and increases severity of non-alcoholic fatty liver disease in humans. Journal of Hepatology, 2016, 65, 1263-1265.	3.7	140

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127	The Dynamics of the Human Infant Gut Microbiome in Development and in Progression toward Type 1 Diabetes. Cell Host and Microbe, 2016, 20, 121.	11.0	7
128	Serum metabolite profile associates with the development of metabolic co-morbidities in first-episode psychosis. Translational Psychiatry, 2016, 6, e951-e951.	4.8	38
129	Imbalance of plasma amino acids, metabolites and lipids in patients with lysinuric protein intolerance (LPI). Metabolism: Clinical and Experimental, 2016, 65, 1361-1375.	3.4	9
130	Human gut microbes impact host serum metabolome and insulin sensitivity. Nature, 2016, 535, 376-381.	27.8	1,506
131	Human Serum Metabolites Associate With Severity and Patient Outcomes in Traumatic Brain Injury. EBioMedicine, 2016, 12, 118-126.	6.1	76
132	Genome-scale study reveals reduced metabolic adaptability in patients with non-alcoholic fatty liver disease. Nature Communications, 2016, 7, 8994.	12.8	103
133	Prolonged sleep restriction induces changes in pathways involved in cholesterol metabolism and inflammatory responses. Scientific Reports, 2016, 6, 24828.	3.3	72
134	Noninvasive Detection of Nonalcoholic Steatohepatitis UsingÂClinical Markers and Circulating Levels of Lipids andÂMetabolites. Clinical Gastroenterology and Hepatology, 2016, 14, 1463-1472.e6.	4.4	120
135	Interaction between dietary lipids and gut microbiota regulates hepatic cholesterol metabolism. Journal of Lipid Research, 2016, 57, 474-481.	4.2	72
136	Hepatic ceramides dissociate steatosis and insulin resistance in patients with non-alcoholic fatty liver disease. Journal of Hepatology, 2016, 64, 1167-1175.	3.7	342
137	Data standards can boost metabolomics research, and if there is a will, there is a way. Metabolomics, 2016, 12, 14.	3.0	97
138	Bioanalytical techniques in nontargeted clinical lipidomics. Bioanalysis, 2016, 8, 351-364.	1.5	37
139	Modeling strategies to study metabolic pathways in progression to type 1 diabetes â€" Challenges and opportunities. Archives of Biochemistry and Biophysics, 2016, 589, 131-137.	3.0	13
140	The effect of atorvastatin treatment on serum oxysterol concentrations and cytochrome P450 3A4 activity. British Journal of Clinical Pharmacology, 2015, 80, 473-479.	2.4	18
141	The Metabolome in Finnish Carriers of the MYBPC3-Q1061X Mutation for Hypertrophic Cardiomyopathy. PLoS ONE, 2015, 10, e0134184.	2.5	18
142	COordination of Standards in MetabOlomicS (COSMOS): facilitating integrated metabolomics data access. Metabolomics, 2015, 11, 1587-1597.	3.0	140
143	The Dynamics of the Human Infant Gut Microbiome in Development and in Progression toward Type 1 Diabetes. Cell Host and Microbe, 2015, 17, 260-273.	11.0	1,008
144	O045 : Bioactive lipids in the human liver in â€˜Common NAFLDâ€™ and â€˜PNPLA3 NAFLDâ€™. Journal of Hepatology, 2015, 62, S211.	3.7	0

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145	Role of Microbiota in Regulating Host Lipid Metabolism and Disease Risk. Molecular and Integrative Toxicology, 2015, , 235-260.	0.5	1
146	The influence of sample collection methodology and sample preprocessing on the blood metabolic profile. Bioanalysis, 2015, 7, 991-1006.	1.5	32
147	Collaborative European NeuroTrauma Effectiveness Research in Traumatic Brain Injury (CENTER-TBI). Neurosurgery, 2015, 76, 67-80.	1.1	386
148	Optimizing the lipidomics workflow for clinical studiesâ€"practical considerations. Analytical and Bioanalytical Chemistry, 2015, 407, 4973-4993.	3.7	70
149	Analytical Lipidomics in Metabolic and Clinical Research. Trends in Endocrinology and Metabolism, 2015, 26, 671-673.	7.1	24
150	Serum Lipid and Serum Metabolite Components in relation to anthropometric parameters in EPIC-Potsdam participants. Metabolism: Clinical and Experimental, 2015, 64, 1348-1358.	3.4	8
151	Circulating triacylglycerol signatures and insulin sensitivity in NAFLD associated with the E167K variant in TM6SF2. Journal of Hepatology, 2015, 62, 657-663.	3.7	104
152	Self-organization and missing values in SOM and GTM. Neurocomputing, 2015, 147, 60-70.	5.9	84
153	Increased Dihydroceramide/Ceramide Ratio Mediated by Defective Expression of *degs1* Impairs Adipocyte Differentiation and Function. Diabetes, 2015, 64, 1180-1192.	0.6	55
154	Roux-en-Y Gastric Bypass Surgery Induces Early Plasma Metabolomic and Lipidomic Alterations in Humans Associated with Diabetes Remission. PLoS ONE, 2015, 10, e0126401.	2.5	66
155	Effects of Whole Grain, Fish and Bilberries on Serum Metabolic Profile and Lipid Transfer Protein Activities: A Randomized Trial (Sysdimet). PLoS ONE, 2014, 9, e90352.	2.5	60
156	The Gut Microbiota Modulates Glycaemic Control and Serum Metabolite Profiles in Non-Obese Diabetic Mice. PLoS ONE, 2014, 9, e110359.	2.5	43
157	Metabolomics to Study Psychotic Disorders and Their Metabolic Comorbidities. Advances in Biological Psychiatry, 2014, , 74-74.	0.2	0
158	Overexpression of PPARÎ³ Specifically in Pancreatic Î²-Cells Exacerbates Obesity-Induced Glucose Intolerance, Reduces Î²-Cell Mass, and Alters Islet Lipid Metabolism in Male Mice. Endocrinology, 2014, 155, 3843-3852.	2.8	13
159	MS-Based Lipidomics. Comprehensive Analytical Chemistry, 2014, 64, 375-393.	1.3	0
160	Monounsaturated fatty acids in serum triacylglycerols are associated with response to neoadjuvant chemotherapy in breast cancer patients. International Journal of Cancer, 2014, 134, 1725-1733.	5.1	40
161	Isoenergetic diets differing in their *n*â€3 fatty acid and polyphenol content reflect different plasma and HDLâ€fraction lipidomic profiles in subjects at high cardiovascular risk. Molecular Nutrition and Food Research, 2014, 58, 1873-1882.	3.3	29
162	High-Dose Simvastatin Exhibits Enhanced Lipid-Lowering Effects Relative to Simvastatin/Ezetimibe Combination Therapy. Circulation: Cardiovascular Genetics, 2014, 7, 955-964.	5.1	13

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163	Quantitative profiling of bile acids in blood, adipose tissue, intestine, and gall bladder samples using ultra high performance liquid chromatography-tandem mass spectrometry. Analytical and Bioanalytical Chemistry, 2014, 406, 7799-7815.	3.7	55
164	The DEXLIFE study methods: Identifying novel candidate biomarkers that predict progression to type 2 diabetes in high risk individuals. Diabetes Research and Clinical Practice, 2014, 106, 383-389.	2.8	12
165	Metabolome and fecal microbiota in monozygotic twin pairs discordant for weight: a Big Mac challenge. FASEB Journal, 2014, 28, 4169-4179.	0.5	30
166	Phenolic metabolites as compliance biomarker for polyphenol intake in a randomized controlled human intervention. Food Research International, 2014, 63, 233-238.	6.2	25
167	Characterising metabolically healthy obesity in weight-discordant monozygotic twins. Diabetologia, 2014, 57, 167-176.	6.3	118
168	Integration of transcription and flux data reveals molecular paths associated with differences in oxygen-dependent phenotypes of Saccharomyces cerevisiae. BMC Systems Biology, 2014, 8, 16.	3.0	2
169	Meeting highlights from the 2013 <scp>E</scp>uropean <scp>S</scp>ociety of <scp>C</scp>ardiology <scp>H</scp>eart <scp>F</scp>ailure <scp>A</scp>ssociation <scp>W</scp>inter <scp>M</scp>eeting on <scp>T</scp>ranslational <scp>H</scp>eart <scp>F</scp>ailure <scp>R</scp>esearch. European Journal of Heart Failure, 2014, 16, 6-14.	7.1	1
170	Circulating Triacylglycerol Signatures in Nonalcoholic Fatty Liver Disease Associated With the I148M Variant in PNPLA3 and With Obesity. Diabetes, 2014, 63, 312-322.	0.6	58
171	Systems biology strategies to study lipidomes in health and disease. Progress in Lipid Research, 2014, 55, 43-60.	11.6	71
172	Systems Biology in Human Health and Disease. , 2014, , 17-23.		3
173	Prediction of non-alcoholic fatty-liver disease and liver fat content by serum molecular lipids. Diabetologia, 2013, 56, 2266-2274.	6.3	129
174	Characterization of microbial metabolism of Syrah grape products in an in vitro colon model using targeted and non-targeted analytical approaches. European Journal of Nutrition, 2013, 52, 833-846.	3.9	60
175	Interfacial Properties of High-Density Lipoprotein-like Lipid Droplets with Different Lipid and Apolipoprotein A-I Compositions. Biophysical Journal, 2013, 104, 2193-2201.	0.5	14
176	Comparative metabolomics of estrogen receptor positive and estrogen receptor negative breast cancer: alterations in glutamine and beta-alanine metabolism. Journal of Proteomics, 2013, 94, 279-288.	2.4	144
177	Decreased Cord-Blood Phospholipids in Young Age–at–Onset Type 1 Diabetes. Diabetes, 2013, 62, 3951-3956.	0.6	83
178	Rapid quantitative analysis of carnitine and acylcarnitines by ultra-high performance–hydrophilic interaction liquid chromatography–tandem mass spectrometry. Journal of Chromatography A, 2013, 1292, 189-194.	3.7	48
179	Characterization of cerebrospinal fluid by comprehensive two-dimensional gas chromatography coupled to time-of-flight mass spectrometry. Journal of Chromatography A, 2013, 1293, 142-149.	3.7	24
180	Lipidomics in nutrition and food research. Molecular Nutrition and Food Research, 2013, 57, 1306-1318.	3.3	60

#	Article	IF	Citations
181	Gut Microbiota Regulates Bile Acid Metabolism by Reducing the Levels of Tauro-beta-muricholic Acid, a Naturally Occurring FXR Antagonist. Cell Metabolism, 2013, 17, 225-235.	16.2	1,671
182	Mondo/ChREBP-Mlx-Regulated Transcriptional Network Is Essential for Dietary Sugar Tolerance in Drosophila. PLoS Genetics, 2013, 9, e1003438.	3.5	93
183	Cord Serum Lipidome in Prediction of Islet Autoimmunity and Type 1 Diabetes. Diabetes, 2013, 62, 3268-3274.	0.6	81
184	Data Handling. RSC Chromatography Monographs, 2013, , 183-194.	0.1	0
185	Genomic, Transcriptomic, and Lipidomic Profiling Highlights the Role of Inflammation in Individuals With Low High-density Lipoprotein Cholesterol. Arteriosclerosis, Thrombosis, and Vascular Biology, 2013, 33, 847-857.	2.4	35
186	The PredictAD project: development of novel biomarkers and analysis software for early diagnosis of the Alzheimer's disease. Interface Focus, 2013, 3, 20120072.	3.0	26
187	Adaptive Changes of the Insig1/SREBP1/SCD1 Set Point Help Adipose Tissue to Cope With Increased Storage Demands of Obesity. Diabetes, 2013, 62, 3697-3708.	0.6	76
188	Effects of an isocaloric healthy <scp>N</scp>ordic diet on insulin sensitivity, lipid profile and inflammation markers in metabolic syndrome â€" a randomized study (<scp>SYSDIET</scp>). Journal of Internal Medicine, 2013, 274, 52-66.	6.0	213
189	T-cell activation induces selective changes of cellular lipidome. Frontiers in Bioscience - Elite, 2013, E5, 558-573.	1.8	5
190	Associations between the human intestinal microbiota,<i>Lactobacillus rhamnosus</i>GG and serum lipids indicated by integrated analysis of high-throughput profiling data. PeerJ, 2013, 1, e32.	2.0	166
191	Insulin Signaling Regulates Fatty Acid Catabolism at the Level of CoA Activation. PLoS Genetics, 2012, 8, e1002478.	3.5	93
192	Accelerated renal disease is associated with the development of metabolic syndrome in a glucolipotoxic mouse model. DMM Disease Models and Mechanisms, 2012, 5, 636-48.	2.4	35
193	Effects of long-term intake of lactotripeptides on cardiovascular risk factors in hypertensive subjects. European Journal of Clinical Nutrition, 2012, 66, 843-849.	2.9	21
194	Peroxisome Proliferator-Activated Receptor Î³-Dependent Regulation of Lipolytic Nodes and Metabolic Flexibility. Molecular and Cellular Biology, 2012, 32, 1555-1565.	2.3	54
195	Caloric Restriction Ameliorates Angiotensin IIâ€"Induced Mitochondrial Remodeling and Cardiac Hypertrophy. Hypertension, 2012, 59, 76-84.	2.7	55
196	Salinomycin inhibits prostate cancer growth and migration via induction of oxidative stress. British Journal of Cancer, 2012, 106, 99-106.	6.4	141
197	Obesity and psychotic disorders: uncovering common mechanisms through metabolomics. DMM Disease Models and Mechanisms, 2012, 5, 614-620.	2.4	22
198	Metabolic Associations of Reduced Proliferation and Oxidative Stress in Advanced Breast Cancer. Cancer Research, 2012, 72, 5712-5720.	0.9	108

#	Article	IF	Citations
199	Phospholipids and insulin resistance in psychosis: a lipidomics study of twin pairs discordant for schizophrenia. Genome Medicine, 2012, 4, 1.	8.2	106
200	Metabolomics of human breast cancer: new approaches for tumor typing and biomarker discovery. Genome Medicine, 2012, 4, 37.	8.2	88
201	Metabolomic analysis of polar metabolites in lipoprotein fractions identifies lipoprotein-specific metabolic profiles and their association with insulin resistance. Molecular BioSystems, 2012, 8, 2559.	2.9	12
202	Regulation of lipid metabolism in breast cancer provides diagnostic and therapeutic opportunities. Clinical Lipidology, 2012, 7, 177-188.	0.4	20
203	Mitofusin 2 (Mfn2) links mitochondrial and endoplasmic reticulum function with insulin signaling and is essential for normal glucose homeostasis. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 5523-5528.	7.1	544
204	Remodeling of central metabolism in invasive breast cancer compared to normal breast tissue â€" a GC-TOFMS based metabolomics study. BMC Genomics, 2012, 13, 334.	2.8	123
205	Fish Oil Supplementation Alters the Plasma Lipidomic Profile and Increases Long-Chain PUFAs of Phospholipids and Triglycerides in Healthy Subjects. PLoS ONE, 2012, 7, e42550.	2.5	63
206	Enterovirus-induced gene expression profile is critical for human pancreatic islet destruction. Diabetologia, 2012, 55, 3273-3283.	6.3	43
207	Integration of Metabolomics and Expression of Glycerol-3-phosphate Acyltransferase (GPAM) in Breast Cancerâ€"Link to Patient Survival, Hormone Receptor Status, and Metabolic Profiling. Journal of Proteome Research, 2012, 11, 850-860.	3.7	68
208	Expression of ceramide-metabolising enzymes in subcutaneous and intra-abdominal human adipose tissue. Lipids in Health and Disease, 2012, 11, 115.	3.0	33
209	Lipocalin Prostaglandin D Synthase and PPARÎ³2 Coordinate to Regulate Carbohydrate and Lipid Metabolism In Vivo. PLoS ONE, 2012, 7, e39512.	2.5	19
210	Metabolomics in the Studies of Islet Autoimmunity and Type 1 Diabetes. Review of Diabetic Studies, 2012, 9, 236-247.	1.3	22
211	15â€Hydroxyprostaglandin dehydrogenase associates with poor prognosis in breast cancer, induces epithelialâ€"mesenchymal transition, and promotes cell migration in cultured breast cancer cells. Journal of Pathology, 2012, 226, 674-686.	4.5	32
212	Integrated Model of Metabolism and Autoimmune Response in Î²-Cell Death and Progression to Type 1 Diabetes. PLoS ONE, 2012, 7, e51909.	2.5	11
213	Heterogeneous Biological Network Visualization System: Case Study in Context of Medical Image Data. Advances in Experimental Medicine and Biology, 2012, 736, 95-118.	1.6	0
214	Abstract 4806: Association of changes in 4-aminobutyrate aminotransferase (ABAT) and beta-alanine metabolism with breast cancer and the more aggressive estrogen receptor negative subtype. , 2012, , .		1
215	Differential Lipid Partitioning Between Adipocytes and Tissue Macrophages Modulates Macrophage Lipotoxicity and M2/M1 Polarization in Obese Mice. Diabetes, 2011, 60, 797-809.	0.6	297
216	Data Analysis Tool for Comprehensive Two-Dimensional Gas Chromatography/Time-of-Flight Mass Spectrometry. Analytical Chemistry, 2011, 83, 3058-3067.	6.5	168

#	Article	IF	Citations
217	Liquid Chromatography-Mass Spectrometry (LC-MS)-Based Lipidomics for Studies of Body Fluids and Tissues. Methods in Molecular Biology, 2011, 708, 247-257.	0.9	124
218	Metabolome in progression to Alzheimer's disease. Translational Psychiatry, 2011, 1, e57-e57.	4.8	238
219	Metabolome in schizophrenia and other psychotic disorders: a general population-based study. Genome Medicine, 2011, 3, 19.	8.2	131
220	Informatics and computational strategies for the study of lipids. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2011, 1811, 991-999.	2.4	29
221	Human Tear Fluid Lipidome: From Composition to Function. PLoS ONE, 2011, 6, e19553.	2.5	119
222	Serum Lipidomics Meets Cardiac Magnetic Resonance Imaging: Profiling of Subjects at Risk of Dilated Cardiomyopathy. PLoS ONE, 2011, 6, e15744.	2.5	28
223	Compartmentation of glycogen metabolism revealed from 13C isotopologue distributions. BMC Systems Biology, 2011, 5, 175.	3.0	23
224	Drug metabolome of the Simvastatin formed by human intestinal microbiota in vitro. Molecular BioSystems, 2011, 7, 437-446.	2.9	44
225	Exome Sequencing Identifies Mitochondrial Alanyl-tRNA Synthetase Mutations in Infantile Mitochondrial Cardiomyopathy. American Journal of Human Genetics, 2011, 88, 635-642.	6.2	229
226	Matching samples of multiple views. Data Mining and Knowledge Discovery, 2011, 23, 300-321.	3.7	9
227	Second international symposium on mass spectrometry in life sciences. Metabolomics, 2011, 7, 623-624.	3.0	0
228	Postprandial differences in the plasma metabolome of healthy Finnish subjects after intake of a sourdough fermented endosperm rye bread versus white wheat bread. Nutrition Journal, 2011, 10, 116.	3.4	83
229	Algorithms and tools for the preprocessing of LCâ€"MS metabolomics data. Chemometrics and Intelligent Laboratory Systems, 2011, 108, 23-32.	3.5	138
230	Farnesoid X Receptor Deficiency Improves Glucose Homeostasis in Mouse Models of Obesity. Diabetes, 2011, 60, 1861-1871.	0.6	261
231	Metabolomic Analysis of Plasma Metabolites That May Mediate Effects of Rye Bread on Satiety and Weight Maintenance in Postmenopausal Women. Journal of Nutrition, 2011, 141, 31-36.	2.9	45
232	Deletion of the metabolic transcriptional coactivator PGC1Î² induces cardiac arrhythmia. Cardiovascular Research, 2011, 92, 29-38.	3.8	30
233	Novel Theranostic Opportunities Offered by Characterization of Altered Membrane Lipid Metabolism in Breast Cancer Progression. Cancer Research, 2011, 71, 3236-3245.	0.9	444
234	Age- and Islet Autoimmunityâ€"Associated Differences in Amino Acid and Lipid Metabolites in Children at Risk for Type 1 Diabetes. Diabetes, 2011, 60, 2740-2747.	0.6	96

#	Article	IF	Citations
235	MPEAâ€"metabolite pathway enrichment analysis. Bioinformatics, 2011, 27, 1878-1879.	4.1	85
236	Metabolic Regulation in Progression to Autoimmune Diabetes. PLoS Computational Biology, 2011, 7, e1002257.	3.2	74
237	Association of Lipidome Remodeling in the Adipocyte Membrane with Acquired Obesity in Humans. PLoS Biology, 2011, 9, e1000623.	5.6	213
238	Cross-Species Translation of Multi-way Biomarkers. Lecture Notes in Computer Science, 2011, , 209-216.	1.3	2
239	Whole Grain Products, Fish and Bilberries Alter Glucose and Lipid Metabolism in a Randomized, Controlled Trial: The Sysdimet Study. PLoS ONE, 2011, 6, e22646.	2.5	83
240	High Density Lipoprotein Structural Changes and Drug Response in Lipidomic Profiles following the Long-Term Fenofibrate Therapy in the FIELD Substudy. PLoS ONE, 2011, 6, e23589.	2.5	33
241	Phospholipase PLA2G7, associated with aggressive prostate cancer, promotes prostate cancer cell migration and invasion and is inhibited by statins. Oncotarget, 2011, 2, 1176-1190.	1.8	77
242	Abstract 2597: PLA2G7 associates with aggressive prostate cancer in vivo and regulates prostate cancer cell migration and adhesion in vitro. , 2011, , .		0
243	Quantitative Proteomics Analysis of the Nuclear Fraction of Human CD4+ Cells in the Early Phases of IL-4-induced Th2 Differentiation. Molecular and Cellular Proteomics, 2010, 9, 1937-1953.	3.8	55
244	Genome-wide Profiling of Interleukin-4 and STAT6 Transcription Factor Regulation of Human Th2 Cell Programming. Immunity, 2010, 32, 852-862.	14.3	139
245	Functional prediction of unidentified lipids using supervised classifiers. Metabolomics, 2010, 6, 18-26.	3.0	11
246	MZmine 2: Modular framework for processing, visualizing, and analyzing mass spectrometry-based molecular profile data. BMC Bioinformatics, 2010, 11, 395.	2.6	3,031
247	Comparison of Lipid and Fatty Acid Composition of the Liver, Subcutaneous and Intraâ€abdominal Adipose Tissue, and Serum. Obesity, 2010, 18, 937-944.	3.0	151
248	Secreted frizzled-related protein 1 regulates adipose tissue expansion and is dysregulated in severe obesity. International Journal of Obesity, 2010, 34, 1695-1705.	3.4	78
249	Hypothalamic AMPK and fatty acid metabolism mediate thyroid regulation of energy balance. Nature Medicine, 2010, 16, 1001-1008.	30.7	581
250	Peroxisomal and Microsomal Lipid Pathways Associated with Resistance to Hepatic Steatosis and Reduced Pro-inflammatory State. Journal of Biological Chemistry, 2010, 285, 31011-31023.	3.4	63
251	Ketogenic diet slows down mitochondrial myopathy progression in mice. Human Molecular Genetics, 2010, 19, 1974-1984.	2.9	168
252	Metabolomics in Angiotensin II-Induced Cardiac Hypertrophy. Hypertension, 2010, 55, 508-515.	2.7	40

#	Article	IF	Citations
253	The gut microbiota modulates host energy and lipid metabolism in mice. Journal of Lipid Research, 2010, 51, 1101-1112.	4.2	508
254	Composition and lipid spatial distribution of HDL particles in subjects with low and high HDL-cholesterol. Journal of Lipid Research, 2010, 51, 2341-2351.	4.2	111
255	Mitochondrial myopathy induces a starvation-like response. Human Molecular Genetics, 2010, 19, 3948-3958.	2.9	249
256	Survey of muscle characteristics after statin-induced rhabdomyolysis. Clinical Lipidology, 2010, 5, 17-27.	0.4	2
257	ELEVATED SERUM SPHINGOMYELIN ASSOCIATES WITH REDUCED GRAY MATTER DENSITY: EVIDENCE FROM TWINS DISCORDANT FOR SCHIZOPHRENIA. Schizophrenia Research, 2010, 117, 370-371.	2.0	0
258	Systems biology strategy to study lipotoxicity and the metabolic syndrome. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2010, 1801, 235-239.	2.4	9
259	Dietary carbohydrate modification alters serum metabolic profiles in individuals with the metabolic syndrome. Nutrition, Metabolism and Cardiovascular Diseases, 2010, 20, 249-257.	2.6	50
260	Splanchnic Balance of Free Fatty Acids, Endocannabinoids, and Lipids in Subjects With Nonalcoholic Fatty Liver Disease. Gastroenterology, 2010, 139, 1961-1971.e1.	1.3	61
261	Systems medicine and the integration of bioinformatic tools for the diagnosis of alzheimer's disease. Genome Medicine, 2010, 2, 83.	8.2	14
262	Multivariate multi-way analysis of multi-source data. Bioinformatics, 2010, 26, i391-i398.	4.1	38
263	Abstract 5573: GC-TOF mass spectroscopy reveals strong dependence of breast cancer metabolome on estrogene receptor, but not on HER2 status. , 2010, , .		1
264	Differences in Muscle and Adipose Tissue Gene Expression and Cardio-Metabolic Risk Factors in the Members of Physical Activity Discordant Twin Pairs. PLoS ONE, 2010, 5, e12609.	2.5	65
265	Searching for Linear Dependencies between Heart Magnetic Resonance Images and Lipid Profiles. Lecture Notes in Computer Science, 2010, , 232-243.	1.3	0
266	Graphical Multi-way Models. Lecture Notes in Computer Science, 2010, , 538-553.	1.3	2
267	Proteomic-Based Detection of a Protein Cluster Dysregulated during Cardiovascular Development Identifies Biomarkers of Congenital Heart Defects. PLoS ONE, 2009, 4, e4221.	2.5	32
268	Detection of Molecular Paths Associated with Insulitis and Type 1 Diabetes in Non-Obese Diabetic Mouse. PLoS ONE, 2009, 4, e7323.	2.5	19
269	How to study lipidomes. Journal of Molecular Endocrinology, 2009, 42, 185-190.	2.5	55
270	Hepatic Stearoyl-CoA Desaturase (SCD)-1 Activity and Diacylglycerol but Not Ceramide Concentrations Are Increased in the Nonalcoholic Human Fatty Liver. Diabetes, 2009, 58, 203-208.	0.6	210

#	Article	IF	Citations
271	ApoCIII-Enriched LDL in Type 2 Diabetes Displays Altered Lipid Composition, Increased Susceptibility for Sphingomyelinase, and Increased Binding to Biglycan. Diabetes, 2009, 58, 2018-2026.	0.6	116
272	Adaptation and failure of pancreatic β cells in murine models with different degrees of metabolic syndrome. DMM Disease Models and Mechanisms, 2009, 2, 582-592.	2.4	43
273	Integration of microRNA miR-122 in hepatic circadian gene expression. Genes and Development, 2009, 23, 1313-1326.	5.9	349
274	Bioinformatics and computational approaches applicable to lipidomics. European Journal of Lipid Science and Technology, 2009, 111, 99-106.	1.5	21
275	The effect of fatty or lean fish intake on inflammatory gene expression in peripheral blood mononuclear cells of patients with coronary heart disease. European Journal of Nutrition, 2009, 48, 447-455.	3.9	47
276	Two-way analysis of high-dimensional collinear data. Data Mining and Knowledge Discovery, 2009, 19, 261-276.	3.7	21
277	Serum saturated fatty acids containing triacylglycerols are better markers of insulin resistance than total serum triacylglycerol concentrations. Diabetologia, 2009, 52, 684-690.	6.3	169
278	Link between plasma ceramides, inflammation and insulin resistance: association with serum IL-6 concentration in patients with coronary heart disease. Diabetologia, 2009, 52, 2612-2615.	6.3	144
279	Bioinformatics and computational methods for lipidomics. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2009, 877, 2855-2862.	2.3	92
280	Gut microbiota affects lens and retinal lipid composition. Experimental Eye Research, 2009, 89, 604-607.	2.6	45
281	Metabolomics, a novel tool for studies of nutrition, metabolism and lipid dysfunction. Nutrition, Metabolism and Cardiovascular Diseases, 2009, 19, 816-824.	2.6	128
282	Integrating post-genomic approaches as a strategy to advance our understanding of health and disease. Genome Medicine, 2009, 1, 35.	8.2	23
283	Dynamic network topology changes in functional modules predict responses to oxidative stress in yeast. Molecular BioSystems, 2009, 5, 276.	2.9	12
284	Role of Cardiolipins in the Inner Mitochondrial Membrane: Insight Gained through Atom-Scale Simulations. Journal of Physical Chemistry B, 2009, 113, 3413-3422.	2.6	62
285	Bioinformatics Strategies for the Analysis of Lipids. , 2009, 580, 339-368.		23
286	Fatty Fish Intake Decreases Lipids Related to Inflammation and Insulin Signaling—A Lipidomics Approach. PLoS ONE, 2009, 4, e5258.	2.5	116
287	Elevated pro-inflammatory and lipotoxic mucosal lipidscharacterise irritable bowel syndrome. World Journal of Gastroenterology, 2009, 15, 6068.	3.3	39
288	Systems Biology Strategies in Studies of Energy Homeostasis In Vivo. , 2009, , 354-360.		0

#	Article	IF	Citations
289	Microbial metabolism of catechin stereoisomers by human faecal microbiota: Comparison of targeted analysis and a non-targeted metabolomics method. Phytochemistry Letters, 2008, 1, 18-22.	1.2	64
290	Capillary electrophoresis with UV detection and mass spectrometry in method development for profiling metabolites of steroid hormone metabolism. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2008, 871, 375-382.	2.3	42
291	ApoCIII-enriched LDL in type 2 diabetes displays altered lipid composition and increased susceptibility for sphingomyelinase. Chemistry and Physics of Lipids, 2008, 154, S13.	3.2	0
292	Lipidomics: a new window to biomedical frontiers. Trends in Biotechnology, 2008, 26, 647-652.	9.3	160
293	Informatics and computational strategies for the study of lipids. Molecular BioSystems, 2008, 4, 121-127.	2.9	189
294	Lipidomics-Based Safety Biomarkers for Lipid-Lowering Treatments. Angiology, 2008, 59, 65S-68S.	1.8	23
295	Dysregulation of lipid and amino acid metabolism precedes islet autoimmunity in children who later progress to type 1 diabetes. Journal of Experimental Medicine, 2008, 205, 2975-2984.	8.5	399
296	Global Transcript Profiles of Fat in Monozygotic Twins Discordant for BMI: Pathways behind Acquired Obesity. PLoS Medicine, 2008, 5, e51.	8.4	265
297	Overexpression of Vascular Endothelial Growth Factor-B in Mouse Heart Alters Cardiac Lipid Metabolism and Induces Myocardial Hypertrophy. Circulation Research, 2008, 103, 1018-1026.	4.5	131
298	Blocking VLDL secretion causes hepatic steatosis but does not affect peripheral lipid stores or insulin sensitivity in mice. Journal of Lipid Research, 2008, 49, 2038-2044.	4.2	136
299	Early Familial Dilated Cardiomyopathy: Identification with Determination of Disease State Parameter from Cine MR Image Data. Radiology, 2008, 249, 88-96.	7.3	21
300	Metabolomic strategies to identify tissue-specific effects of cardiovascular drugs. Expert Opinion on Drug Metabolism and Toxicology, 2008, 4, 665-680.	3.3	13
301	Metabolomic changes in fatty liver can be modified by dietary protein and calcium during energy restriction. World Journal of Gastroenterology, 2008, 14, 4462.	3.3	23
302	Gender–dependent progression of systemic metabolic states in early childhood. Molecular Systems Biology, 2008, 4, 197.	7.2	54
303	An integrative approach for biological data mining and visualisation. International Journal of Data Mining and Bioinformatics, 2008, 2, 54.	0.1	14
304	Application of Lipidomics and Metabolomics to the Study of Adipose Tissue. Methods in Molecular Biology, 2008, 456, 123-130.	0.9	16
305	Triacylglycerol Fatty Acid Composition in Diet-Induced Weight Loss in Subjects with Abnormal Glucose Metabolism â€" the GENOBIN Study. PLoS ONE, 2008, 3, e2630.	2.5	81
306	Effect of probiotic Lactobacillus rhamnosus GG intervention on global serum lipidomic profiles in healthy adults. World Journal of Gastroenterology, 2008, 14, 3188.	3.3	60

#	ARTICLE	IF	CITATIONS
307	A Regression Subset-Selection Strategy for Fat-Structure Data. , 2008, , 349-358.		0
308	PPAR gamma 2 Prevents Lipotoxicity by Controlling Adipose Tissue Expandability and Peripheral Lipid Metabolism. PLoS Genetics, 2007, 3, e64.	3.5	346
309	Exploring the lipoprotein composition using Bayesian regression on serum lipidomic profiles. Bioinformatics, 2007, 23, i519-i528.	4.1	22
310	Systematic construction of gene coexpression networks with applications to human T helper cell differentiation process. Bioinformatics, 2007, 23, 2096-2103.	4.1	94
311	Data processing for mass spectrometry-based metabolomics. Journal of Chromatography A, 2007, 1158, 318-328.	3.7	537
312	Bioinformatics strategies for lipidomics analysis: characterization of obesity related hepatic steatosis. BMC Systems Biology, 2007, 1, 12.	3.0	234
313	Normalization method for metabolomics data using optimal selection of multiple internal standards. BMC Bioinformatics, 2007, 8, 93.	2.6	300
314	Adipose Tissue Inflammation and Increased Ceramide Content Characterize Subjects With High Liver Fat Content Independent of Obesity. Diabetes, 2007, 56, 1960-1968.	0.6	279
315	Applications of a new subspace clustering algorithm (COSA) in medical systems biology. Metabolomics, 2007, 3, 69-77.	3.0	25
316	Acquired Obesity Is Associated with Changes in the Serum Lipidomic Profile Independent of Genetic Effects â€" A Monozygotic Twin Study. PLoS ONE, 2007, 2, e218.	2.5	356
317	Integrating Transcriptional and Metabolic Profiling to Unravel Secondary Metabolite Biosynthesis in Plants. , 2007, , 135-138.		0
318	MZmine: toolbox for processing and visualization of mass spectrometry based molecular profile data. Bioinformatics, 2006, 22, 634-636.	4.1	725
319	Metabolomic approaches to phenotype characterization and applications to complex diseases. Expert Review of Molecular Diagnostics, 2006, 6, 575-585.	3.1	84
320	A Systems Biology Strategy Reveals Biological Pathways and Plasma Biomarker Candidates for Potentially Toxic Statin-Induced Changes in Muscle. PLoS ONE, 2006, 1, e97.	2.5	202
321	Ablation of PGC-1Î² Results in Defective Mitochondrial Activity, Thermogenesis, Hepatic Function, and Cardiac Performance. PLoS Biology, 2006, 4, e369.	5.6	249
322	Gene-to-metabolite networks for terpenoid indole alkaloid biosynthesis in Catharanthus roseus cells. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 5614-5619.	7.1	307
323	Improving Identification of Differentially Expressed Genes by Integrative Analysis of Affymetrix and Illumina Arrays. OMICS A Journal of Integrative Biology, 2006, 10, 369-380.	2.0	7
324	Pathways to the analysis of microarray data. Trends in Biotechnology, 2005, 23, 429-435.	9.3	269

#	Article	IF	Citations
325	Processing methods for differential analysis of LC/MS profile data. BMC Bioinformatics, 2005, 6, 179.	2.6	327
326	A comparative evaluation of software for the analysis of liquid chromatography-tandem mass spectrometry data from isotope coded affinity tag experiments. Proteomics, 2005, 5, 2748-2760.	2.2	27
327	The Link Between Nutritional Status and Insulin Sensitivity Is Dependent on the Adipocyte-Specific Peroxisome Proliferator-Activated Receptor-Â2 Isoform. Diabetes, 2005, 54, 1706-1716.	0.6	157
328	Data integration and visualization system for enabling conceptual biology. Bioinformatics, 2005, 21, i177-i185.	4.1	21
329	Methods for the Differential Integrative Omic Analysis of Plasma from a Transgenic Disease Animal Model. OMICS A Journal of Integrative Biology, 2004, 8, 267-288.	2.0	38
330	Integrative Biological Analysis of the APOE*3-Leiden Transgenic Mouse. OMICS A Journal of Integrative Biology, 2004, 8, 3-13.	2.0	108
331	Connecting genes to metabolites by a systems biology approach. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 9949-9950.	7.1	73
332	Phenotype Characterisation Using Integrated Gene Transcript, Protein and Metabolite Profiling. Applied Bioinformatics, 2004, 3, 205-217.	1.6	60
333	Tracing Specific Synonymous Codon-Secondary Structure Correlations Through Evolution. Journal of Molecular Evolution, 2003, 56, 473-484.	1.8	49
334	The Role of Metabolomics in Systems Biology. , 2003, , 171-198.		27
335	Specific correlations between relative synonymous codon usage and protein secondary structure. Journal of Molecular Biology, 1998, 281, 31-48.	4.2	133
336	Hierarchical characterization of energy landscapes using Gaussian packet states. Journal of Chemical Physics, 1994, 101, 9844-9857.	3.0	38
337	Monte Carlo simulation of a quasi one-dimensional spin glass. Journal of Non-Crystalline Solids, 1994, 172-174, 506-509.	3.1	0
338	Model of a quasi-one-dimensional spin glass. Physical Review B, 1993, 47, 2655-2660.	3.2	17
339	Chapter 7. Addressing the Health Beneficial Aspects of Nutritionâ€"The Example of the Obesity Epidemic. RSC Food Analysis Monographs, 0, , 237-243.	0.2	0