

Gabi Kastenmüller

List of Publications by Year in descending order

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Version: 2024-02-01

151
papers

13,384
citations

34016

52
h-index

27345

106
g-index

174
all docs

174
docs citations

174
times ranked

21411
citing authors

#	ARTICLE	IF	CITATIONS
1	Chronically elevated branched chain amino acid levels are pro-arrhythmic. <i>Cardiovascular Research</i> , 2022, 118, 1742-1757.	1.8	24
2	First mitochondrial genome-wide association study with metabolomics. <i>Human Molecular Genetics</i> , 2022, 31, 3367-3376.	1.4	4
3	Integrative metabolomics&genomics approach reveals key metabolic pathways and regulators of Alzheimer's disease. <i>Alzheimer's and Dementia</i> , 2022, 18, 1260-1278.	0.4	57
4	<i>APOE</i> Î² resilience for Alzheimer's disease is mediated by plasma lipid species: Analysis of three independent cohort studies. <i>Alzheimer's and Dementia</i> , 2022, 18, 2151-2166.	0.4	16
5	Metabolomic and inflammatory signatures of symptom dimensions in major depression. <i>Brain, Behavior, and Immunity</i> , 2022, 102, 42-52.	2.0	33
6	Genomics-based identification of a potential causal role for acylcarnitine metabolism in depression. <i>Journal of Affective Disorders</i> , 2022, 307, 254-263.	2.0	10
7	Effects of Acute and Chronic Resistance Exercise on the Skeletal Muscle Metabolome. <i>Metabolites</i> , 2022, 12, 445.	1.3	9
8	Ratios of Acetaminophen Metabolites Identify New Loci of Pharmacogenetic Relevance in a Genome-Wide Association Study. <i>Metabolites</i> , 2022, 12, 496.	1.3	4
9	Comprehensive genetic analysis of the human lipidome identifies loci associated with lipid homeostasis with links to coronary artery disease. <i>Nature Communications</i> , 2022, 13, .	5.8	30
10	Emerging approaches to multiple chronic condition assessment. <i>Journal of the American Geriatrics Society</i> , 2022, 70, 2498-2507.	1.3	4
11	Robust Huber-LASSO for improved prediction of protein, metabolite and gene expression levels relying on individual genotype data. <i>Briefings in Bioinformatics</i> , 2021, 22, .	3.2	10
12	Multi-omics integration in biomedical research â€” A metabolomics-centric review. <i>Analytica Chimica Acta</i> , 2021, 1141, 144-162.	2.6	125
13	A cross-platform approach identifies genetic regulators of human metabolism and health. <i>Nature Genetics</i> , 2021, 53, 54-64.	9.4	117
14	Serum metabolites associated with brain amyloid beta deposition, cognition and dementia progression. <i>Brain Communications</i> , 2021, 3, fcab139.	1.5	21
15	Validation of Candidate Phospholipid Biomarkers of Chronic Kidney Disease in Hyperglycemic Individuals and Their Organ-Specific Exploration in Leptin Receptor-Deficient db/db Mouse. <i>Metabolites</i> , 2021, 11, 89.	1.3	10
16	Plasma metabolites to profile pathways in noncommunicable disease multimorbidity. <i>Nature Medicine</i> , 2021, 27, 471-479.	15.2	81
17	A metabolome-wide association study in the general population reveals decreased levels of serum laurycarnitine in people with depression. <i>Molecular Psychiatry</i> , 2021, 26, 7372-7383.	4.1	23
18	Physiological extremes of the human blood metabolome: A metabolomics analysis of highly glycolytic, oxidative, and anabolic athletes. <i>Physiological Reports</i> , 2021, 9, e14885.	0.7	18

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19	Salivary metabolites associated with a 5-year tooth loss identified in a population-based setting. <i>BMC Medicine</i> , 2021, 19, 161.	2.3	9
20	Correlation guided Network Integration (CoNI) reveals novel genes affecting hepatic metabolism. <i>Molecular Metabolism</i> , 2021, 53, 101295.	3.0	4
21	Indoxyl sulfate, a gut microbiome-derived uremic toxin, is associated with psychic anxiety and its functional magnetic resonance imaging-based neurologic signature. <i>Scientific Reports</i> , 2021, 11, 21011.	1.6	37
22	Mapping the proteo-genomic convergence of human diseases. <i>Science</i> , 2021, 374, eabj1541.	6.0	192
23	Lipidomic signatures for APOE genotypes provides new insights about mechanisms of resilience in Alzheimer's disease. <i>Alzheimer's and Dementia</i> , 2021, 17, .	0.4	0
24	Gut microbiome-related metabolites in plasma are associated with general cognition. <i>Alzheimer's and Dementia</i> , 2021, 17, .	0.4	0
25	Investigating the importance of acylcarnitines in Alzheimer's disease.. <i>Alzheimer's and Dementia</i> , 2021, 17 Suppl 3, e056647.	0.4	1
26	A proof of concept study towards multi-omics-based computational drug repositioning in Alzheimer's disease.. <i>Alzheimer's and Dementia</i> , 2021, 17 Suppl 3, e056673.	0.4	0
27	Machine Learning Approaches Reveal Metabolic Signatures of Incident Chronic Kidney Disease in Individuals With Prediabetes and Type 2 Diabetes. <i>Diabetes</i> , 2020, 69, 2756-2765.	0.3	33
28	A strategy to incorporate prior knowledge into correlation network cutoff selection. <i>Nature Communications</i> , 2020, 11, 5153.	5.8	13
29	Blood Metabolomic Profiling Confirms and Identifies Biomarkers of Food Intake. <i>Metabolites</i> , 2020, 10, 468.	1.3	13
30	A Workflow for Missing Values Imputation of Untargeted Metabolomics Data. <i>Metabolites</i> , 2020, 10, 486.	1.3	20
31	Metabolic Network Analysis Reveals Altered Bile Acid Synthesis and Metabolism in Alzheimer's Disease. <i>Cell Reports Medicine</i> , 2020, 1, 100138.	3.3	102
32	Intergenerational Metabolomic Analysis of Mothers with a History of Gestational Diabetes Mellitus and Their Offspring. <i>International Journal of Molecular Sciences</i> , 2020, 21, 9647.	1.8	7
33	Genetic architecture of host proteins involved in SARS-CoV-2 infection. <i>Nature Communications</i> , 2020, 11, 6397.	5.8	71
34	Trans-right ventricle and transpulmonary metabolite gradients in human pulmonary arterial hypertension. <i>Heart</i> , 2020, 106, 1332-1341.	1.2	20
35	Associations between adipose tissue volume and small molecules in plasma and urine among asymptomatic subjects from the general population. <i>Scientific Reports</i> , 2020, 10, 1487.	1.6	9
36	Sex and APOE ϵ 4 genotype modify the Alzheimer's disease serum metabolome. <i>Nature Communications</i> , 2020, 11, 1148.	5.8	115

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37	Metabolite Concentration Changes in Humans After a Bout of Exercise: a Systematic Review of Exercise Metabolomics Studies. <i>Sports Medicine - Open</i> , 2020, 6, 11.	1.3	127
38	Genetic studies of urinary metabolites illuminate mechanisms of detoxification and excretion in humans. <i>Nature Genetics</i> , 2020, 52, 167-176.	9.4	101
39	Genome-wide scan identifies novel genetic loci regulating salivary metabolite levels. <i>Human Molecular Genetics</i> , 2020, 29, 864-875.	1.4	13
40	MoDentify: phenotype-driven module identification in metabolomics networks at different resolutions. <i>Bioinformatics</i> , 2019, 35, 532-534.	1.8	13
41	A metabolic profile of all-cause mortality risk identified in an observational study of 44,168 individuals. <i>Nature Communications</i> , 2019, 10, 3346.	5.8	188
42	Association of Altered Liver Enzymes With Alzheimer Disease Diagnosis, Cognition, Neuroimaging Measures, and Cerebrospinal Fluid Biomarkers. <i>JAMA Network Open</i> , 2019, 2, e197978.	2.8	142
43	Plasma Metabolomics to Identify and Stratify Patients With Impaired Glucose Tolerance. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2019, 104, 6357-6370.	1.8	16
44	Bile acids targeted metabolomics and medication classification data in the ADNI1 and ADNI2 cohorts. <i>Scientific Data</i> , 2019, 6, 212.	2.4	15
45	A Thyroid Hormone-Independent Molecular Fingerprint of 3,5-Diiodothyronine Suggests a Strong Relationship with Coffee Metabolism in Humans. <i>Thyroid</i> , 2019, 29, 1743-1754.	2.4	12
46	Dynamic modelling of an ACADS genotype in fatty acid oxidation – Application of cellular models for the analysis of common genetic variants. <i>PLoS ONE</i> , 2019, 14, e0216110.	1.1	1
47	Metabolic signature associated with parameters of the complete blood count in apparently healthy individuals. <i>Journal of Cellular and Molecular Medicine</i> , 2019, 23, 5144-5153.	1.6	5
48	Characterization of Bulk Phosphatidylcholine Compositions in Human Plasma Using Side-Chain Resolving Lipidomics. <i>Metabolites</i> , 2019, 9, 109.	1.3	15
49	Metabolomics Identifies Novel Blood Biomarkers of Pulmonary Function and COPD in the General Population. <i>Metabolites</i> , 2019, 9, 61.	1.3	30
50	Metabolomics signature associated with circulating serum selenoprotein P levels. <i>Endocrine</i> , 2019, 64, 486-495.	1.1	9
51	Altered bile acid profile associates with cognitive impairment in Alzheimer's disease – An emerging role for gut microbiome. <i>Alzheimer's and Dementia</i> , 2019, 15, 76-92.	0.4	396
52	Altered bile acid profile in mild cognitive impairment and Alzheimer's disease: Relationship to neuroimaging and CSF biomarkers. <i>Alzheimer's and Dementia</i> , 2019, 15, 232-244.	0.4	198
53	Deep molecular phenotypes link complex disorders and physiological insult to CpG methylation. <i>Human Molecular Genetics</i> , 2018, 27, 1106-1121.	1.4	30
54	Associations of maternal type 1 diabetes with childhood adiposity and metabolic health in the offspring. <i>Diabetes Care</i> , 2018, 41, 1000-1006.		0

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55	Genome-Wide Association Studies of Metabolite Concentrations (mGWAS): Relevance for Nephrology. <i>Seminars in Nephrology</i> , 2018, 38, 151-174.	0.6	32
56	Characterization of missing values in untargeted MS-based metabolomics data and evaluation of missing data handling strategies. <i>Metabolomics</i> , 2018, 14, 128.	1.4	138
57	Analysis of repeated leukocyte DNA methylation assessments reveals persistent epigenetic alterations after an incident myocardial infarction. <i>Clinical Epigenetics</i> , 2018, 10, 161.	1.8	20
58	Molecular Fingerprints of Iron Parameters among a Population-Based Sample. <i>Nutrients</i> , 2018, 10, 1800.	1.7	3
59	A network-based conditional genetic association analysis of the human metabolome. <i>GigaScience</i> , 2018, 7, .	3.3	13
60	Hepatic Steatosis Is Associated With Adverse Molecular Signatures in Subjects Without Diabetes. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2018, 103, 3856-3868.	1.8	24
61	Circulating metabolic biomarkers of renal function in diabetic and non-diabetic populations. <i>Scientific Reports</i> , 2018, 8, 15249.	1.6	42
62	Metabolomic profiling implicates adiponectin as mediator of a favorable lipoprotein profile associated with NT-proBNP. <i>Cardiovascular Diabetology</i> , 2018, 17, 120.	2.7	19
63	The fecal metabolome as a functional readout of the gut microbiome. <i>Nature Genetics</i> , 2018, 50, 790-795.	9.4	482
64	Accelerated lipid catabolism and autophagy are cancer survival mechanisms under inhibited glutaminolysis. <i>Cancer Letters</i> , 2018, 430, 133-147.	3.2	54
65	Comprehensive Metabolic Profiling Reveals a Lipid-Rich Fingerprint of Free Thyroxine Far Beyond Classic Parameters. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2018, 103, 2050-2060.	1.8	8
66	Ldlr and ApoE mice better mimic the human metabolite signature of increased carotid intima media thickness compared to other animal models of cardiovascular disease. <i>Atherosclerosis</i> , 2018, 276, 140-147.	0.4	13
67	Associations of maternal type 1 diabetes with childhood adiposity and metabolic health in the offspring: a prospective cohort study. <i>Diabetologia</i> , 2018, 61, 2319-2332.	2.9	22
68	Instability of personal human metabolotype is linked to all-cause mortality. <i>Scientific Reports</i> , 2018, 8, 9810.	1.6	16
69	Connecting genetic risk to disease end points through the human blood plasma proteome. <i>Nature Communications</i> , 2017, 8, 14357.	5.8	460
70	Response to Comment on Adam et al. Metformin Effect on Nontargeted Metabolite Profiles in Patients With Type 2 Diabetes and in Multiple Murine Tissues. <i>Diabetes</i> 2016;65:3776-3785. <i>Diabetes</i> , 2017, 66, e3-e4.	0.3	1
71	Genetic diagnosis of Mendelian disorders via RNA sequencing. <i>Nature Communications</i> , 2017, 8, 15824.	5.8	432
72	Automated pathway and reaction prediction facilitates in silico identification of unknown metabolites in human cohort studies. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2017, 1071, 58-67.	1.2	16

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73	Metabolic network failures in Alzheimer's disease: A biochemical road map. <i>Alzheimer's and Dementia</i> , 2017, 13, 965-984.	0.4	362
74	Evidence for Stress-like Alterations in the HPA-Axis in Women Taking Oral Contraceptives. <i>Scientific Reports</i> , 2017, 7, 14111.	1.6	51
75	Targeted metabolomics and medication classification data from participants in the ADNI1 cohort. <i>Scientific Data</i> , 2017, 4, 170140.	2.4	49
76	Metabolomic Profiling of Long-Term Weight Change: Role of Oxidative Stress and Urate Levels in Weight Gain. <i>Obesity</i> , 2017, 25, 1618-1624.	1.5	23
77	Activated macrophages control human adipocyte mitochondrial bioenergetics via secreted factors. <i>Molecular Metabolism</i> , 2017, 6, 1226-1239.	3.0	25
78	Sex-specific metabolic profiles of androgens and its main binding protein SHBG in a middle aged population without diabetes. <i>Scientific Reports</i> , 2017, 7, 2235.	1.6	12
79	Metabolites of milk intake: a metabolomic approach in UK twins with findings replicated in two European cohorts. <i>European Journal of Nutrition</i> , 2017, 56, 2379-2391.	1.8	24
80	Phenotype-driven identification of modules in a hierarchical map of multifluid metabolic correlations. <i>Npj Systems Biology and Applications</i> , 2017, 3, 28.	1.4	21
81	From Discovery to Translation: Characterization of C-Mannosyltryptophan and Pseudouridine as Markers of Kidney Function. <i>Scientific Reports</i> , 2017, 7, 17400.	1.6	31
82	pulver: an R package for parallel ultra-rapid p-value computation for linear regression interaction terms. <i>BMC Bioinformatics</i> , 2017, 18, 429.	1.2	1
83	Metabomatching: Using genetic association to identify metabolites in proton NMR spectroscopy. <i>PLoS Computational Biology</i> , 2017, 13, e1005839.	1.5	17
84	Comprehensive metabolic profiling of chronic low-grade inflammation among generally healthy individuals. <i>BMC Medicine</i> , 2017, 15, 210.	2.3	91
85	Comprehensive metabolic characterization of serum osteocalcin action in a large non-diabetic sample. <i>PLoS ONE</i> , 2017, 12, e0184721.	1.1	0
86	Alterations in Lipid and Inositol Metabolisms in Two Dopaminergic Disorders. <i>PLoS ONE</i> , 2016, 11, e0147129.	1.1	31
87	The Pharmacogenetic Footprint of ACE Inhibition: A Population-Based Metabolomics Study. <i>PLoS ONE</i> , 2016, 11, e0153163.	1.1	13
88	Short-term NO ₂ exposure is associated with long-chain fatty acids in prospective cohorts from Augsburg, Germany: results from an analysis of 138 metabolites and three exposures. <i>International Journal of Epidemiology</i> , 2016, 45, 1528-1538.	0.9	27
89	Metabolomics enables precision medicine: a White Paper, Community Perspective. <i>Metabolomics</i> , 2016, 12, 149.	1.4	434
90	Exploring the molecular basis of age-related disease comorbidities using a multi-omics graphical model. <i>Scientific Reports</i> , 2016, 6, 37646.	1.6	45

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91	Characterization of the metabolic profile associated with serum 25-hydroxyvitamin D: a cross-sectional analysis in population-based data. <i>International Journal of Epidemiology</i> , 2016, 45, 1469-1481.	0.9	19
92	Metformin Effect on Nontargeted Metabolite Profiles in Patients With Type 2 Diabetes and in Multiple Murine Tissues. <i>Diabetes</i> , 2016, 65, 3776-3785.	0.3	49
93	Lactation is associated with altered metabolomic signatures in women with gestational diabetes. <i>Diabetologia</i> , 2016, 59, 2193-2202.	2.9	20
94	Non-targeted metabolomics combined with genetic analyses identifies bile acid synthesis and phospholipid metabolism as being associated with incident type 2 diabetes. <i>Diabetologia</i> , 2016, 59, 2114-2124.	2.9	74
95	Cardiovascular Risk Factors Associated With Blood Metabolite Concentrations and Their Alterations During a 4-Year Period in a Population-Based Cohort. <i>Circulation: Cardiovascular Genetics</i> , 2016, 9, 487-494.	5.1	30
96	Metabolic Fingerprints of Circulating IGF-1 and the IGF-1/IGFBP-3 Ratio: A Multifluid Metabolomics Study. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2016, 101, 4730-4742.	1.8	18
97	Diagnostic and Prognostic Metabolites Identified for Joint Symptoms in the KORA Population. <i>Journal of Proteome Research</i> , 2016, 15, 554-562.	1.8	2
98	Liver lipid metabolism is altered by increased circulating estrogen to androgen ratio in male mouse. <i>Journal of Proteomics</i> , 2016, 133, 66-75.	1.2	7
99	A Metabolome-Wide Association Study of Kidney Function and Disease in the General Population. <i>Journal of the American Society of Nephrology: JASN</i> , 2016, 27, 1175-1188.	3.0	159
100	Biochemical insights from population studies with genetics and metabolomics. <i>Archives of Biochemistry and Biophysics</i> , 2016, 589, 168-176.	1.4	46
101	Urine Metabolite Profiles Predictive of Human Kidney Allograft Status. <i>Journal of the American Society of Nephrology: JASN</i> , 2016, 27, 626-636.	3.0	58
102	Genetic Influences on Metabolite Levels: A Comparison across Metabolomic Platforms. <i>PLoS ONE</i> , 2016, 11, e0153672.	1.1	69
103	Metabolomics profiling reveals novel markers for leukocyte telomere length. <i>Aging</i> , 2016, 8, 77-86.	1.4	33
104	Integration of "omics" data in aging research: from biomarkers to systems biology. <i>Aging Cell</i> , 2015, 14, 933-944.	3.0	103
105	Pre-Analytical Sample Quality: Metabolite Ratios as an Intrinsic Marker for Prolonged Room Temperature Exposure of Serum Samples. <i>PLoS ONE</i> , 2015, 10, e0121495.	1.1	88
106	Genome-Wide Association Study with Targeted and Non-targeted NMR Metabolomics Identifies 15 Novel Loci of Urinary Human Metabolic Individuality. <i>PLoS Genetics</i> , 2015, 11, e1005487.	1.5	83
107	Gender-specific pathway differences in the human serum metabolome. <i>Metabolomics</i> , 2015, 11, 1815-1833.	1.4	218
108	An omics investigation into chronic widespread musculoskeletal pain reveals epiandrosterone sulfate as a potential biomarker. <i>Pain</i> , 2015, 156, 1845-1851.	2.0	54

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109	<i><i>SNiPA</i></i> : an interactive, genetic variant-centered annotation browser. <i>Bioinformatics</i> , 2015, 31, 1334-1336.	1.8	273
110	Genetics of human metabolism: an update. <i>Human Molecular Genetics</i> , 2015, 24, R93-R101.	1.4	117
111	Nonadditive Effects of Genes in Human Metabolomics. <i>Genetics</i> , 2015, 200, 707-718.	1.2	24
112	Vitamin E supplementation is associated with lower levels of C-reactive protein only in higher dosages and combined with other antioxidants: The Cooperative Health Research in the Region of Augsburg (KORA) F4 study. <i>British Journal of Nutrition</i> , 2015, 113, 1782-1791.	1.2	14
113	Multi-omic signature of body weight change: results from a population-based cohort study. <i>BMC Medicine</i> , 2015, 13, 48.	2.3	69
114	Effects of Metformin on Metabolite Profiles and LDL Cholesterol in Patients With Type 2 Diabetes. <i>Diabetes Care</i> , 2015, 38, 1858-1867.	4.3	97
115	A systems view of type 2 diabetes-associated metabolic perturbations in saliva, blood and urine at different timescales of glycaemic control. <i>Diabetologia</i> , 2015, 58, 1855-1867.	2.9	80
116	Metabolomic Identification of a Novel Pathway of Blood Pressure Regulation Involving Hexadecanedioate. <i>Hypertension</i> , 2015, 66, 422-429.	1.3	90
117	Network-Based Approach for Analyzing Intra- and Interfluid Metabolite Associations in Human Blood, Urine, and Saliva. <i>Journal of Proteome Research</i> , 2015, 14, 1183-1194.	1.8	40
118	The Human Blood Metabolome-Transcriptome Interface. <i>PLoS Genetics</i> , 2015, 11, e1005274.	1.5	99
119	HoPaCI-DB: host- <i>Pseudomonas</i> and <i>Coxiella</i> interaction database. <i>Nucleic Acids Research</i> , 2014, 42, D671-D676.	6.5	21
120	Epigenetics meets metabolomics: an epigenome-wide association study with blood serum metabolic traits. <i>Human Molecular Genetics</i> , 2014, 23, 534-545.	1.4	169
121	Metabolite profiling reveals new insights into the regulation of serum urate in humans. <i>Metabolomics</i> , 2014, 10, 141-151.	1.4	51
122	Associations between thyroid hormones and serum metabolite profiles in an euthyroid population. <i>Metabolomics</i> , 2014, 10, 152-164.	1.4	21
123	Long term conservation of human metabolic phenotypes and link to heritability. <i>Metabolomics</i> , 2014, 10, 1005-1017.	1.4	58
124	An atlas of genetic influences on human blood metabolites. <i>Nature Genetics</i> , 2014, 46, 543-550.	9.4	1,084
125	Metabolomics of Ramadan fasting: an opportunity for the controlled study of physiological responses to food intake. <i>Journal of Translational Medicine</i> , 2014, 12, 161.	1.8	27
126	Metabolomics approach reveals effects of antihypertensives and lipid-lowering drugs on the human metabolism. <i>European Journal of Epidemiology</i> , 2014, 29, 325-336.	2.5	72

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127	Comparative analysis of plasma metabolomics response to metabolic challenge tests in healthy subjects and influence of the FTO obesity risk allele. <i>Metabolomics</i> , 2014, 10, 386-401.	1.4	16
128	Biomarkers for Type 2 Diabetes and Impaired Fasting Glucose Using a Nontargeted Metabolomics Approach. <i>Diabetes</i> , 2013, 62, 4270-4276.	0.3	356
129	Metabolomic profiles in individuals with negative affectivity and social inhibition: A population-based study of Type D personality. <i>Psychoneuroendocrinology</i> , 2013, 38, 1299-1309.	1.3	37
130	Early Metabolic Markers of the Development of Dysglycemia and Type 2 Diabetes and Their Physiological Significance. <i>Diabetes</i> , 2013, 62, 1730-1737.	0.3	307
131	Identification and MS-assisted interpretation of genetically influenced NMR signals in human plasma. <i>Genome Medicine</i> , 2013, 5, 13.	3.6	23
132	HSC-Explorer: A Curated Database for Hematopoietic Stem Cells. <i>PLoS ONE</i> , 2013, 8, e70348.	1.1	17
133	Plasma Metabolomics Reveal Alterations of Sphingo- and Glycerophospholipid Levels in Non-Diabetic Carriers of the Transcription Factor 7-Like 2 Polymorphism rs7903146. <i>PLoS ONE</i> , 2013, 8, e78430.	1.1	21
134	Mining the Unknown: A Systems Approach to Metabolite Identification Combining Genetic and Metabolic Information. <i>PLoS Genetics</i> , 2012, 8, e1003005.	1.5	170
135	The dynamic range of the human metabolome revealed by challenges. <i>FASEB Journal</i> , 2012, 26, 2607-2619.	0.2	268
136	CIDeR: multifactorial interaction networks in human diseases. <i>Genome Biology</i> , 2012, 13, R62.	13.9	28
137	Body Fat Free Mass Is Associated with the Serum Metabolite Profile in a Population-Based Study. <i>PLoS ONE</i> , 2012, 7, e40009.	1.1	95
138	Genetic associations with lipoprotein subfractions provide information on their biological nature. <i>Human Molecular Genetics</i> , 2012, 21, 1433-1443.	1.4	28
139	Systems Biology Meets Metabolism. , 2012, , 281-313.		1
140	Mouse phenotyping. <i>Methods</i> , 2011, 53, 120-135.	1.9	128
141	Human metabolic individuality in biomedical and pharmaceutical research. <i>Nature</i> , 2011, 477, 54-60.	13.7	916
142	Differences between Human Plasma and Serum Metabolite Profiles. <i>PLoS ONE</i> , 2011, 6, e21230.	1.1	350
143	Questionnaire-based self-reported nutrition habits associate with serum metabolism as revealed by quantitative targeted metabolomics. <i>European Journal of Epidemiology</i> , 2011, 26, 145-156.	2.5	74
144	metaP-Server: A Web-Based Metabolomics Data Analysis Tool. <i>Journal of Biomedicine and Biotechnology</i> , 2011, 2011, 1-7.	3.0	60

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145	A genome-wide perspective of genetic variation in human metabolism. <i>Nature Genetics</i> , 2010, 42, 137-141.	9.4	618
146	PEDANT covers all complete RefSeq genomes. <i>Nucleic Acids Research</i> , 2009, 37, D408-D411.	6.5	97
147	Variation in the human lipidome associated with coffee consumption as revealed by quantitative targeted metabolomics. <i>Molecular Nutrition and Food Research</i> , 2009, 53, 1357-1365.	1.5	52
148	Uncovering metabolic pathways relevant to phenotypic traits of microbial genomes. <i>Genome Biology</i> , 2009, 10, R28.	13.9	39
149	An environmental perspective on large-scale genome clustering based on metabolic capabilities. <i>Bioinformatics</i> , 2008, 24, i56-i62.	1.8	7
150	The PEDANT genome database. <i>Nucleic Acids Research</i> , 2003, 31, 207-211.	6.5	110
151	3D Shape Histograms for Similarity Search and Classification in Spatial Databases. <i>Lecture Notes in Computer Science</i> , 1999, , 207-226.	1.0	319