

# Cornelia Prehn

## List of Publications by Year in descending order

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171  
papers

11,693  
citations

28242

55  
h-index

31818

101  
g-index

176  
all docs

176  
docs citations

176  
times ranked

18168  
citing authors

#	ARTICLE	IF	CITATIONS
1	Human metabolic individuality in biomedical and pharmaceutical research. <i>Nature</i> , 2011, 477, 54-60.	13.7	916
2	Identification of Serum Metabolites Associated With Risk of Type 2 Diabetes Using a Targeted Metabolomic Approach. <i>Diabetes</i> , 2013, 62, 639-648.	0.3	820
3	A genome-wide perspective of genetic variation in human metabolism. <i>Nature Genetics</i> , 2010, 42, 137-141.	9.4	618
4	Novel biomarkers for pre-diabetes identified by metabolomics. <i>Molecular Systems Biology</i> , 2012, 8, 615.	3.2	605
5	Differences between Human Plasma and Serum Metabolite Profiles. <i>PLoS ONE</i> , 2011, 6, e21230.	1.1	350
6	Rapamycin extends murine lifespan but has limited effects on aging. <i>Journal of Clinical Investigation</i> , 2013, 123, 3272-3291.	3.9	333
7	Discovery of Sexual Dimorphisms in Metabolic and Genetic Biomarkers. <i>PLoS Genetics</i> , 2011, 7, e1002215.	1.5	328
8	Human serum metabolic profiles are age dependent. <i>Aging Cell</i> , 2012, 11, 960-967.	3.0	271
9	The dynamic range of the human metabolome revealed by challenges. <i>FASEB Journal</i> , 2012, 26, 2607-2619.	0.2	268
10	Procedure for tissue sample preparation and metabolite extraction for high-throughput targeted metabolomics. <i>Metabolomics</i> , 2012, 8, 133-142.	1.4	245
11	Interlaboratory Reproducibility of a Targeted Metabolomics Platform for Analysis of Human Serum and Plasma. <i>Analytical Chemistry</i> , 2017, 89, 656-665.	3.2	203
12	Targeted Metabolomics Identifies Reliable and Stable Metabolites in Human Serum and Plasma Samples. <i>PLoS ONE</i> , 2014, 9, e89728.	1.1	196
13	Genome-wide association study identifies novel genetic variants contributing to variation in blood metabolite levels. <i>Nature Communications</i> , 2015, 6, 7208.	5.8	178
14	Introducing the German Mouse Clinic: open access platform for standardized phenotyping. <i>Nature Methods</i> , 2005, 2, 403-404.	9.0	176
15	Evidence Supporting a Key Role of Lp-PLA2-Generated Lysophosphatidylcholine in Human Atherosclerotic Plaque Inflammation. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2012, 32, 1505-1512.	1.1	157
16	Childhood Obesity Is Associated with Changes in the Serum Metabolite Profile. <i>Obesity Facts</i> , 2012, 5, 660-670.	1.6	141
17	Schizophrenia shows a unique metabolomics signature in plasma. <i>Translational Psychiatry</i> , 2012, 2, e149-e149.	2.4	138
18	Reliability of Serum Metabolite Concentrations over a 4-Month Period Using a Targeted Metabolomic Approach. <i>PLoS ONE</i> , 2011, 6, e21103.	1.1	131

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19	Mouse phenotyping. <i>Methods</i> , 2011, 53, 120-135.	1.9	128
20	Metabolites associate with kidney function decline and incident chronic kidney disease in the general population. <i>Nephrology Dialysis Transplantation</i> , 2013, 28, 2131-2138.	0.4	116
21	Long-Term Stability of Human Plasma Metabolites during Storage at ~80 °C. <i>Journal of Proteome Research</i> , 2018, 17, 203-211.	1.8	114
22	Targeted metabolomics profiles are strongly correlated with nutritional patterns in women. <i>Metabolomics</i> , 2013, 9, 506-514.	1.4	110
23	Serum Metabolite Concentrations and Decreased GFR in the General Population. <i>American Journal of Kidney Diseases</i> , 2012, 60, 197-206.	2.1	108
24	Discovery of phosphatidylcholines and sphingomyelins as biomarkers for ovarian endometriosis. <i>Human Reproduction</i> , 2012, 27, 2955-2965.	0.4	108
25	Variation of serum metabolites related to habitual diet: a targeted metabolomic approach in EPIC-Potsdam. <i>European Journal of Clinical Nutrition</i> , 2013, 67, 1100-1108.	1.3	108
26	Alterations of plasma metabolite profiles related to adipose tissue distribution and cardiometabolic risk. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2015, 309, E736-E746.	1.8	104
27	Altered metabolism distinguishes high-risk from stable carotid atherosclerotic plaques. <i>European Heart Journal</i> , 2018, 39, 2301-2310.	1.0	104
28	Effects of smoking and smoking cessation on human serum metabolite profile: results from the KORA cohort study. <i>BMC Medicine</i> , 2013, 11, 60.	2.3	103
29	Epigenetic alterations in longevity regulators, reduced life span, and exacerbated aging-related pathology in old father offspring mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E2348-E2357.	3.3	102
30	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
31	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
32	Targeted Metabolomics of Dried Blood Spot Extracts. <i>Chromatographia</i> , 2013, 76, 1295-1305.	0.7	95
33	Amino acids, lipid metabolites, and ferritin as potential mediators linking red meat consumption to type 2 diabetes. <i>American Journal of Clinical Nutrition</i> , 2015, 101, 1241-1250.	2.2	95
34	Serum and plasma amino acids as markers of prediabetes, insulin resistance, and incident diabetes. <i>Critical Reviews in Clinical Laboratory Sciences</i> , 2018, 55, 21-32.	2.7	92
35	Requirement of the RNA-editing Enzyme ADAR2 for Normal Physiology in Mice. <i>Journal of Biological Chemistry</i> , 2011, 286, 18614-18622.	1.6	91
36	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

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37	Disruption of glucagon receptor signaling causes hyperaminoacidemia exposing a possible liver-alpha-cell axis. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2018, 314, E93-E103.	1.8	84
38	Linking diet, physical activity, cardiorespiratory fitness and obesity to serum metabolite networks: findings from a population-based study. <i>International Journal of Obesity</i> , 2014, 38, 1388-1396.	1.6	83
39	Testosterone Increases Susceptibility to Amebic Liver Abscess in Mice and Mediates Inhibition of IFN $\gamma$ Secretion in Natural Killer T Cells. <i>PLoS ONE</i> , 2013, 8, e55694.	1.1	81
40	Alcohol-induced metabolomic differences in humans. <i>Translational Psychiatry</i> , 2013, 3, e276-e276.	2.4	79
41	Changes in the serum metabolite profile in obese children with weight loss. <i>European Journal of Nutrition</i> , 2015, 54, 173-181.	1.8	74
42	Identification of Serum Metabolites Associated With Incident Hypertension in the European Prospective Investigation Into Cancer and Nutrition "Potsdam Study. <i>Hypertension</i> , 2016, 68, 471-477.	1.3	73
43	Association of Atopic Dermatitis with Cardiovascular Risk Factors and Diseases. <i>Journal of Investigative Dermatology</i> , 2017, 137, 1074-1081.	0.3	73
44	High-throughput extraction and quantification method for targeted metabolomics in murine tissues. <i>Metabolomics</i> , 2018, 14, 18.	1.4	72
45	Integrative genetic and metabolite profiling analysis suggests altered phosphatidylcholine metabolism in asthma. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2013, 68, 629-636.	2.7	70
46	Systemic First-Line Phenotyping. <i>Methods in Molecular Biology</i> , 2009, 530, 463-509.	0.4	70
47	Random Survival Forest in practice: a method for modelling complex metabolomics data in time to event analysis. <i>International Journal of Epidemiology</i> , 2016, 45, 1406-1420.	0.9	67
48	International Ring Trial of a High Resolution Targeted Metabolomics and Lipidomics Platform for Serum and Plasma Analysis. <i>Analytical Chemistry</i> , 2019, 91, 14407-14416.	3.2	66
49	Evaluation of various biomarkers as potential mediators of the association between coffee consumption and incident type 2 diabetes in the EPIC-Potsdam Study , ,. <i>American Journal of Clinical Nutrition</i> , 2014, 100, 891-900.	2.2	63
50	Metabolic switch during adipogenesis: From branched chain amino acid catabolism to lipid synthesis. <i>Archives of Biochemistry and Biophysics</i> , 2016, 589, 93-107.	1.4	63
51	Serum metabolites and risk of myocardial infarction and ischemic stroke: a targeted metabolomic approach in two German prospective cohorts. <i>European Journal of Epidemiology</i> , 2018, 33, 55-66.	2.5	63
52	Cytochrome c oxidase subunit 4 isoform 2 knockout mice show reduced enzyme activity, airway hyperactivity, and lung pathology. <i>FASEB Journal</i> , 2012, 26, 3916-3930.	0.2	62
53	Removing the bottlenecks of cell culture metabolomics: fast normalization procedure, correlation of metabolites to cell number, and impact of the cell harvesting method. <i>Metabolomics</i> , 2016, 12, 151.	1.4	61
54	Extracellular Citrate Affects Critical Elements of Cancer Cell Metabolism and Supports Cancer Development <i>In Vivo</i> . <i>Cancer Research</i> , 2018, 78, 2513-2523.	0.4	59

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55	The German Mouse Clinic: A Platform for Systemic Phenotype Analysis of Mouse Models. <i>Current Pharmaceutical Biotechnology</i> , 2009, 10, 236-243.	0.9	56
56	Preservation of Metabolic Flexibility in Skeletal Muscle by a Combined Use of n-3 PUFA and Rosiglitazone in Dietary Obese Mice. <i>PLoS ONE</i> , 2012, 7, e43764.	1.1	55
57	Heart-specific Knockout of the Mitochondrial Thioredoxin Reductase ( <i>Txnrd2</i> ) Induces Metabolic and Contractile Dysfunction in the Aging Myocardium. <i>Journal of the American Heart Association</i> , 2015, 4, .	1.6	54
58	<i>Srgap3</i> <sup>−/−</sup> mice present a neurodevelopmental disorder with schizophrenia-related intermediate phenotypes. <i>FASEB Journal</i> , 2012, 26, 4418-4428.	0.2	51
59	Recent advances in 17beta-hydroxysteroid dehydrogenases. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2009, 114, 72-77.	1.2	50
60	Stability of targeted metabolite profiles of urine samples under different storage conditions. <i>Metabolomics</i> , 2017, 13, 4.	1.4	50
61	Metabolomics meets machine learning: Longitudinal metabolite profiling in serum of normal versus overconditioned cows and pathway analysis. <i>Journal of Dairy Science</i> , 2019, 102, 11561-11585.	1.4	50
62	Changing Metabolic Signatures of Amino Acids and Lipids During the Prediabetic Period in a Pig Model With Impaired Incretin Function and Reduced Î²-Cell Mass. <i>Diabetes</i> , 2012, 61, 2166-2175.	0.3	47
63	A single night of sleep curtailment increases plasma acylcarnitines: Novel insights in the relationship between sleep and insulin resistance. <i>Archives of Biochemistry and Biophysics</i> , 2016, 589, 145-151.	1.4	45
64	A novel <i>N</i> -ethyl- <i>N</i> -nitrosourea-induced mutation in <i>phospholipase CÎ²2</i> causes inflammatory arthritis, metabolic defects, and male infertility in vitro in a murine model. <i>Arthritis and Rheumatism</i> , 2011, 63, 1301-1311.	6.7	43
65	Integration of targeted metabolomics and transcriptomics identifies deregulation of phosphatidylcholine metabolism in Huntington's disease peripheral blood samples. <i>Metabolomics</i> , 2016, 12, 137.	1.4	43
66	Plasma and Serum Metabolite Association Networks: Comparability within and between Studies Using NMR and MS Profiling. <i>Journal of Proteome Research</i> , 2017, 16, 2547-2559.	1.8	43
67	Models including plasma levels of sphingomyelins and phosphatidylcholines as diagnostic and prognostic biomarkers of endometrial cancer. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2018, 178, 312-321.	1.2	43
68	Clinical Chemistry and Other Laboratory Tests on Mouse Plasma or Serum. <i>Current Protocols in Mouse Biology</i> , 2013, 3, 69-100.	1.2	42
69	Innovations in phenotyping of mouse models in the German Mouse Clinic. <i>Mammalian Genome</i> , 2012, 23, 611-622.	1.0	40
70	Metabolomics screening identifies reduced L-carnitine to be associated with progressive emphysema. <i>Clinical Science</i> , 2016, 130, 273-287.	1.8	39
71	The Munich MIDY Pig Biobank – A unique resource for studying organ crosstalk in diabetes. <i>Molecular Metabolism</i> , 2017, 6, 931-940.	3.0	39
72	Cholesterol metabolism promotes B cell positioning during immune pathogenesis of chronic obstructive pulmonary disease. <i>EMBO Molecular Medicine</i> , 2018, 10, .	3.3	39

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73	Ageing Investigation Using Two-Time-Point Metabolomics Data from KORA and CARLA Studies. <i>Metabolites</i> , 2019, 9, 44.	1.3	39
74	Four groups of type 2 diabetes contribute to the etiological and clinical heterogeneity in newly diagnosed individuals: An IMI DIRECT study. <i>Cell Reports Medicine</i> , 2022, 3, 100477.	3.3	39
75	Improvement of myocardial infarction risk prediction via inflammation-associated metabolite biomarkers. <i>Heart</i> , 2017, 103, 1278-1285.	1.2	38
76	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
77	High Mobility Group N Proteins Modulate the Fidelity of the Cellular Transcriptional Profile in a Tissue- and Variant-specific Manner. <i>Journal of Biological Chemistry</i> , 2013, 288, 16690-16703.	1.6	37
78	Circulating glutamate concentration as a biomarker of visceral obesity and associated metabolic alterations. <i>Nutrition and Metabolism</i> , 2018, 15, 78.	1.3	37
79	Increased amino acids levels and the risk of developing of hypertriglyceridemia in a 7-year follow-up. <i>Journal of Endocrinological Investigation</i> , 2014, 37, 369-374.	1.8	36
80	Bezafibrate Improves Insulin Sensitivity and Metabolic Flexibility in STZ-Induced Diabetic Mice. <i>Diabetes</i> , 2016, 65, 2540-2552.	0.3	35
81	Development of an ( <i>S</i> )-1-((2-((Tris(4-methoxyphenyl)methoxy)ethyl)piperidine-3-carboxylic acid [( <i>S</i> )-SNAP-5114] Carba Analogue Inhibitor for Murine $^3$ Aminobutyric Acid Transporter Type 4. <i>ChemMedChem</i> , 2012, 7, 1245-1255.	1.6	34
82	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
83	Cord Blood Lysophosphatidylcholine 16: 1 is Positively Associated with Birth Weight. <i>Cellular Physiology and Biochemistry</i> , 2018, 45, 614-624.	1.1	32
84	Metabolite ratios as potential biomarkers for type 2 diabetes: a DIRECT study. <i>Diabetologia</i> , 2018, 61, 117-129.	2.9	32
85	Inhibition of 17beta-hydroxysteroid dehydrogenases by phytoestrogens: Comparison with other steroid metabolizing enzymes. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2005, 93, 285-292.	1.2	31
86	12-months metabolic changes among gender dysphoric individuals under cross-sex hormone treatment: a targeted metabolomics study. <i>Scientific Reports</i> , 2016, 6, 37005.	1.6	31
87	Inter-Laboratory Robustness of Next-Generation Bile Acid Study in Mice and Humans: International Ring Trial Involving 12 Laboratories. <i>journal of applied laboratory medicine</i> , The, 2016, 1, 129-142.	0.6	30
88	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
89	Type 2 diabetes is associated with postprandial amino acid measures. <i>Archives of Biochemistry and Biophysics</i> , 2016, 589, 138-144.	1.4	30
90	Endocrinology Meets Metabolomics: Achievements, Pitfalls, and Challenges. <i>Trends in Endocrinology and Metabolism</i> , 2017, 28, 705-721.	3.1	29

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91	Mitochondrial Regulation of the 26S Proteasome. <i>Cell Reports</i> , 2020, 32, 108059.	2.9	28
92	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
93	Resveratrol reduces NAD <sup>+</sup> /CoQ ratio and rescues the encephalopathic phenotype in <i>R239X</i> mice. <i>EMBO Molecular Medicine</i> , 2019, 11, .	3.3	27
94	Circadian expression of steroidogenic cytochromes P450 in the mouse adrenal gland: involvement of cAMP-responsive element modulator in epigenetic regulation of <i>Cyp17a1</i> . <i>FEBS Journal</i> , 2012, 279, 1584-1593.	2.2	26
95	Low-level mitochondrial heteroplasmy modulates DNA replication, glucose metabolism and lifespan in mice. <i>Scientific Reports</i> , 2018, 8, 5872.	1.6	26
96	Multi-omics insights into functional alterations of the liver in insulin-deficient diabetes mellitus. <i>Molecular Metabolism</i> , 2019, 26, 30-44.	3.0	26
97	The liver alpha cell axis associates with liver fat and insulin resistance: a validation study in women with non-steatotic liver fat levels. <i>Diabetologia</i> , 2021, 64, 512-520.	2.9	26
98	Inflammatory macrophage memory in nonsteroidal anti-inflammatory drug-exacerbated respiratory disease. <i>Journal of Allergy and Clinical Immunology</i> , 2021, 147, 587-599.	1.5	25
99	Nonadditive Effects of Genes in Human Metabolomics. <i>Genetics</i> , 2015, 200, 707-718.	1.2	24
100	Cortisol-related metabolic alterations assessed by mass spectrometry assay in patients with Cushing's syndrome. <i>European Journal of Endocrinology</i> , 2017, 177, 227-237.	1.9	23
101	LysoPC-acyl C16:0 is associated with brown adipose tissue activity in men. <i>Metabolomics</i> , 2017, 13, 48.	1.4	23
102	Functional changes of the liver in the absence of growth hormone (GH) action: Proteomic and metabolomic insights from a GH receptor deficient pig model. <i>Molecular Metabolism</i> , 2020, 36, 100978.	3.0	23
103	Metabolic Signatures of Healthy Lifestyle Patterns and Colorectal Cancer Risk in a European Cohort. <i>Clinical Gastroenterology and Hepatology</i> , 2022, 20, e1061-e1082.	2.4	23
104	Metabolomics reveals determinants of weight loss during lifestyle intervention in obese children. <i>Metabolomics</i> , 2013, 9, 1157-1167.	1.4	22
105	Associations of anthropometric markers with serum metabolites using a targeted metabolomics approach: results of the EPIC-potsdam study. <i>Nutrition and Diabetes</i> , 2016, 6, e215-e215.	1.5	22
106	Fetal Serum Metabolites Are Independently Associated with Gestational Diabetes Mellitus. <i>Cellular Physiology and Biochemistry</i> , 2018, 45, 625-638.	1.1	22
107	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
108	Associations between thyroid hormones and serum metabolite profiles in an euthyroid population. <i>Metabolomics</i> , 2014, 10, 152-164.	1.4	21



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109	Lactation is associated with altered metabolomic signatures in women with gestational diabetes. <i>Diabetologia</i> , 2016, 59, 2193-2202.	2.9	20
110	Acylcarnitine profiles in serum and muscle of dairy cows receiving conjugated linoleic acids or a control fat supplement during early lactation. <i>Journal of Dairy Science</i> , 2019, 102, 754-767.	1.4	20
111	Targeted Metabolomics as a Tool in Discriminating Endocrine From Primary Hypertension. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2021, 106, e1111-e1128.	1.8	19
112	Metabolic impact of pheochromocytoma/paraganglioma: targeted metabolomics in patients before and after tumor removal. <i>European Journal of Endocrinology</i> , 2019, 181, 647-657.	1.9	19
113	Metabolite Shifts Induced by Marathon Race Competition Differ between Athletes Based on Level of Fitness and Performance: A Substudy of the Enzy-MagIc Study. <i>Metabolites</i> , 2020, 10, 87.	1.3	18
114	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
115	Interrogating causal pathways linking genetic variants, small molecule metabolites, and circulating lipids. <i>Genome Medicine</i> , 2014, 6, 25.	3.6	17
116	Postprandial metabolite profiles associated with type 2 diabetes clearly stratify individuals with impaired fasting glucose. <i>Metabolomics</i> , 2018, 14, 13.	1.4	17
117	A mouse model for intellectual disability caused by mutations in the X-linked 2â€²â€™methyltransferase Ftsj1 gene. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2019, 1865, 2083-2093.	1.8	17
118	Pleiotropic Functions for Transcription Factor Zscan10. <i>PLoS ONE</i> , 2014, 9, e104568.	1.1	16
119	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
120	Instability of personal human metabotype is linked to all-cause mortality. <i>Scientific Reports</i> , 2018, 8, 9810.	1.6	16
121	The blood metabolome of incident kidney cancer: A caseâ€“control study nested within the MetKid consortium. <i>PLoS Medicine</i> , 2021, 18, e1003786.	3.9	16
122	Immediate reduction of serum citrulline but no change of steroid profile after initiation of metformin in individuals with type 2 diabetes. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2017, 174, 114-119.	1.2	15
123	TIGER: technical variation elimination for metabolomics data using ensemble learning architecture. <i>Briefings in Bioinformatics</i> , 2022, 23, .	3.2	15
124	Treatment with beta-blockers is associated with lower levels of Lp-PLA2 and suPAR in carotid plaques. <i>Cardiovascular Pathology</i> , 2013, 22, 438-443.	0.7	14
125	Familial Resemblance for Serum Metabolite Concentrations. <i>Twin Research and Human Genetics</i> , 2013, 16, 948-961.	0.3	14
126	Biogenic amines: Concentrations in serum and skeletal muscle from late pregnancy until early lactation in dairy cows with high versus normal body condition score. <i>Journal of Dairy Science</i> , 2019, 102, 6571-6586.	1.4	14



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127	A network-based conditional genetic association analysis of the human metabolome. <i>GigaScience</i> , 2018, 7, .	3.3	13
128	The human metabolic profile reflects macro- and micronutrient intake distinctly according to fasting time. <i>Scientific Reports</i> , 2018, 8, 12262.	1.6	13
129	Night Shift Work Affects Urine Metabolite Profiles of Nurses with Early Chronotype. <i>Metabolites</i> , 2018, 8, 45.	1.3	13
130	LC-MS/MS-Based Metabolomics for Cell Cultures. <i>Methods in Molecular Biology</i> , 2019, 1994, 119-130.	0.4	13
131	Metabolome profiling in skeletal muscle to characterize metabolic alterations in over-conditioned cows during the periparturient period. <i>Journal of Dairy Science</i> , 2020, 103, 3730-3744.	1.4	13
132	Serum Response Factor (SRF) Ablation Interferes with Acute Stress-Associated Immediate and Long-Term Coping Mechanisms. <i>Molecular Neurobiology</i> , 2017, 54, 8242-8262.	1.9	12
133	Genetic variants including markers from the exome chip and metabolite traits of type 2 diabetes. <i>Scientific Reports</i> , 2017, 7, 6037.	1.6	12
134	Sex hormone-binding globulin, androgens and mortality: the KORA-F4 cohort study. <i>Endocrine Connections</i> , 2020, 9, 326-336.	0.8	12
135	Fgf9 Y162C Mutation Alters Information Processing and Social Memory in Mice. <i>Molecular Neurobiology</i> , 2018, 55, 4580-4595.	1.9	11
136	Circulating Metabolites Associate With and Improve the Prediction of All-Cause Mortality in Type 2 Diabetes. <i>Diabetes</i> , 2022, 71, 1363-1370.	0.3	11
137	Mild maternal hyperglycemia in <i>INS</i> C93S transgenic pigs causes impaired glucose tolerance and metabolic alterations in neonatal offspring. <i>DMM Disease Models and Mechanisms</i> , 2019, 12, .	1.2	10
138	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
139	Comparison of metabolite networks from four German population-based studies. <i>International Journal of Epidemiology</i> , 2018, 47, 2070-2081.	0.9	9
140	Mammalian target of rapamycin signaling and ubiquitin-proteasome-related gene expression in skeletal muscle of dairy cows with high or normal body condition score around calving. <i>Journal of Dairy Science</i> , 2019, 102, 11544-11560.	1.4	9
141	Alterations of the acylcarnitine profiles in blood serum and in muscle from periparturient cows with normal or elevated body condition. <i>Journal of Dairy Science</i> , 2020, 103, 4777-4794.	1.4	9
142	The First Scube3 Mutant Mouse Line with Pleiotropic Phenotypic Alterations. <i>G3: Genes, Genomes, Genetics</i> , 2016, 6, 4035-4046.	0.8	9
143	Whole blood co-expression modules associate with metabolic traits and type 2 diabetes: an IMI-DIRECT study. <i>Genome Medicine</i> , 2020, 12, 109.	3.6	8
144	Mendelian Randomization Study on Amino Acid Metabolism Suggests Tyrosine as Causal Trait for Type 2 Diabetes. <i>Nutrients</i> , 2020, 12, 3890.	1.7	8

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145	Proteasome activity and expression of mammalian target of rapamycin signaling factors in skeletal muscle of dairy cows supplemented with conjugated linoleic acids during early lactation. <i>Journal of Dairy Science</i> , 2020, 103, 2829-2846.	1.4	8
146	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
147	Mouse Age Matters: How Age Affects the Murine Plasma Metabolome. <i>Metabolites</i> , 2020, 10, 472.	1.3	7
148	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
149	Cross-sectional and prospective relationships of endogenous progestogens and estrogens with glucose metabolism in men and women: a KORA F4/FF4 Study. <i>BMJ Open Diabetes Research and Care</i> , 2021, 9, e001951.	1.2	7
150	Plasma Metabolome Profiling for the Diagnosis of Catecholamine Producing Tumors. <i>Frontiers in Endocrinology</i> , 2021, 12, 722656.	1.5	7
151	Evaluation of Metabolic Profiles of Patients with Anorexia Nervosa at Inpatient Admission, Short- and Long-Term Weight Regain—Descriptive and Pattern Analysis. <i>Metabolites</i> , 2021, 11, 7.	1.3	7
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