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List of Publications by Year
in descending order

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78 papers	3,558 citations	182225 30 h-index	198040 52 g-index
91 all docs	91 docs citations	91 times ranked	7854 citing authors

#	Article	IF	Citations
1	Transcriptional, epigenetic and metabolic signatures in cardiometabolic syndrome defined by extreme phenotypes. Clinical Epigenetics, 2022, 14, 39.	1.8	6
2	Genetic Landscape of the ACE2 Coronavirus Receptor. Circulation, 2022, 145, 1398-1411.	1.6	20
3	Development and validation of a metabolite score for red meat intake: an observational cohort study and randomized controlled dietary intervention. American Journal of Clinical Nutrition, 2022, 116, 511-522.	2.2	8
4	Genome-wide studies reveal factors associated with circulating uromodulin and its relationships to complex diseases. JCI Insight, 2022, 7, .	2.3	12
5	Long-term instability of the intestinal microbiome is associated with metabolic liver disease, low microbiota diversity, diabetes mellitus and impaired exocrine pancreatic function. Gut, 2021, 70, 522-530.	6.1	96
6	Plasma Vitamin C and Type 2 Diabetes: Genome-Wide Association Study and Mendelian Randomization Analysis in European Populations. Diabetes Care, 2021, 44, 98-106.	4.3	68
7	A cross-platform approach identifies genetic regulators of human metabolism and health. Nature Genetics, 2021, 53, 54-64.	9.4	117
8	A Neanderthal OAS1 isoform protects individuals of European ancestry against COVID-19 susceptibility and severity. Nature Medicine, 2021, 27, 659-667.	15.2	188
9	Broad Metabolome Alterations Associated with the Intake of Oral Contraceptives Are Mediated by Cortisol in Premenopausal Women. Metabolites, 2021, 11, 193.	1.3	6
10	Carrying asymptomatic gallstones is not associated with changes in intestinal microbiota composition and diversity but cholecystectomy with significant dysbiosis. Scientific Reports, 2021, 11, 6677.	1.6	19
11	Plasma metabolites to profile pathways in noncommunicable disease multimorbidity. Nature Medicine, 2021, 27, 471-479.	15.2	81
12	Actionable druggable genome-wide Mendelian randomization identifies repurposing opportunities for COVID-19. Nature Medicine, 2021, 27, 668-676.	15.2	120
13	A metabolome-wide association study in the general population reveals decreased levels of serum laurylcarnitine in people with depression. Molecular Psychiatry, 2021, 26, 7372-7383.	4.1	23
14	GIGYF1 loss of function is associated with clonal mosaicism and adverse metabolic health. Nature Communications, 2021, 12, 4178.	5.8	20
15	Comparative Analysis of the Effects of Long-Term 3,5-diiodothyronine Treatment on the Murine Hepatic Proteome and Transcriptome Under Conditions of Normal Diet and High-Fat Diet. Thyroid, 2021, 31, 1135-1146.	2.4	7
16	Salivary metabolites associated with a 5-year tooth loss identified in a population-based setting. BMC Medicine, 2021, 19, 161.	2.3	9
17	Genetically Predicted Glucose-Dependent Insulinotropic Polypeptide (GIP) Levels and Cardiovascular Disease Risk Are Driven by Distinct Causal Variants in the GIPR Region. Diabetes, 2021, 70, 2706-2719.	0.3	12
18	Mitochondrial DNA variants modulate N-formylmethionine, proteostasis and risk of late-onset human diseases. Nature Medicine, 2021, 27, 1564-1575.	15.2	40

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19	586Effects of maternal circulating amino acids on offspring birthweight: a Mendelian randomisation analysis. International Journal of Epidemiology, 2021, 50, .	0.9	1
20	Efficiency of a 15-Week Weight-Loss Program, Including a Low-Calorie Formula Diet, on Glycemic Control in Patients with Type 2 Diabetes Mellitus and Overweight or Obesity. Obesity Facts, 2021, 14, 45-55.	1.6	8
21	Exocrine Pancreatic Function Modulates Plasma Metabolites Through Changes in Gut Microbiota Composition. Journal of Clinical Endocrinology and Metabolism, 2021, 106, e2290-e2298.	1.8	19
22	Variation in the SERPINA6/SERPINA1 locus alters morning plasma cortisol, hepatic corticosteroid binding globulin expression, gene expression in peripheral tissues, and risk of cardiovascular disease. Journal of Human Genetics, 2021, 66, 625-636.	1.1	40
23	Higher thyrotropin leads to unfavorable lipid profile and somewhat higher cardiovascular disease risk: evidence from multi-cohort Mendelian randomization and metabolomic profiling. BMC Medicine, 2021, 19, 266.	2.3	11
24	Mapping the proteo-genomic convergence of human diseases. Science, 2021, 374, eabj1541.	6.0	192
25	Synergistic insights into human health from aptamer- and antibody-based proteomic profiling. Nature Communications, 2021, 12, 6822.	5.8	95
26	Mapping the serum proteome to neurological diseases using whole genome sequencing. Nature Communications, 2021, 12, 7042.	5.8	29
27	Associations of plasma YKL-40 concentrations with heel ultrasound parameters and bone turnover markers in the general adult population. Bone, 2020, 141, 115675.	1.4	2
28	Insights into genetic variants associated with NASH-fibrosis from metabolite profiling. Human Molecular Genetics, 2020, 29, 3451-3463.	1.4	27
29	Integrating Genetics and the Plasma Proteome to Predict the Risk of Type 2 Diabetes. Current Diabetes Reports, 2020, 20, 60.	1.7	5
30	Genetic architecture of host proteins involved in SARS-CoV-2 infection. Nature Communications, 2020, 11, 6397.	5.8	71
31	Screening for New Markers to Assess Thyroid Hormone Action by OMICs Analysis of Human Samples. Experimental and Clinical Endocrinology and Diabetes, 2020, 128, 479-487.	0.6	2
32	Associations between adipose tissue volume and small molecules in plasma and urine among asymptomatic subjects from the general population. Scientific Reports, 2020, 10, 1487.	1.6	9
33	Genetic studies of urinary metabolites illuminate mechanisms of detoxification and excretion in humans. Nature Genetics, 2020, 52, 167-176.	9.4	101
34	Genome-wide scan identifies novel genetic loci regulating salivary metabolite levels. Human Molecular Genetics, 2020, 29, 864-875.	1.4	13
35	Lipidomics, Atrial Conduction, and Body Mass Index. Circulation Genomic and Precision Medicine, 2019, 12, e002384.	1.6	9
36	Integrated Analyses of Microbiome and Longitudinal Metabolome Data Reveal Microbial-Host Interactions on Sulfur Metabolism in Parkinsonâ€™s Disease. Cell Reports, 2019, 29, 1767-1777.e8.	2.9	102

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37	Plasma Metabolomics to Identify and Stratify Patients With Impaired Glucose Tolerance. Journal of Clinical Endocrinology and Metabolism, 2019, 104, 6357-6370.	1.8	16
38	A Thyroid Hormone-Independent Molecular Fingerprint of 3,5-Diiodothyronine Suggests a Strong Relationship with Coffee Metabolism in Humans. Thyroid, 2019, 29, 1743-1754.	2.4	12
39	Metabolomic profiling identifies novel associations with Electrolyte and Acid-Base Homeostatic patterns. Scientific Reports, 2019, 9, 15088.	1.6	7
40	Multiancestry Genome-Wide Association Study of Lipid Levels Incorporating Gene-Alcohol Interactions. American Journal of Epidemiology, 2019, 188, 1033-1054.	1.6	85
41	Assessment of the Relationship Between Genetic Determinants of Thyroid Function and Atrial Fibrillation. JAMA Cardiology, 2019, 4, 144.	3.0	64
42	Metabolic signature associated with parameters of the complete blood count in apparently healthy individuals. Journal of Cellular and Molecular Medicine, 2019, 23, 5144-5153.	1.6	5
43	Heterogeneous Metabolic Response to Exercise Training in Heart Failure with Preserved Ejection Fraction. Journal of Clinical Medicine, 2019, 8, 591.	1.0	4
44	The Saliva Metabolome in Association to Oral Health Status. Journal of Dental Research, 2019, 98, 642-651.	2.5	59
45	Multi-ancestry genome-wide geneâ€“smoking interaction study of 387,272 individuals identifies new loci associated with serum lipids. Nature Genetics, 2019, 51, 636-648.	9.4	112
46	Impaired Exocrine Pancreatic Function Associates With Changes in Intestinal Microbiota Composition and Diversity. Gastroenterology, 2019, 156, 1010-1015.	0.6	74
47	The informative error: A framework for the construction of individualized phenotypes. Statistical Methods in Medical Research, 2019, 28, 1427-1438.	0.7	15
48	3,5-T2â€”A Janus-Faced Thyroid Hormone Metabolite Exerts Both Canonical T3-Mimetic Endocrine and Intracrine Hepatic Action. Frontiers in Endocrinology, 2019, 10, 787.	1.5	17
49	Kappa free light chains in cerebrospinal fluid to identify patients with oligoclonal bands. European Journal of Neurology, 2018, 25, 1134-1139.	1.7	29
50	Effects of Sex Hormone Treatment on the Metabolic Syndrome in Transgender Individuals: Focus on Metabolic Cytokines. Journal of Clinical Endocrinology and Metabolism, 2018, 103, 790-802.	1.8	49
51	Circulating metabolites and general cognitive ability and dementia: Evidence from 11 cohort studies. Alzheimer's and Dementia, 2018, 14, 707-722.	0.4	143
52	Identification of urine metabolites associated with 5-year changes in biomarkers of glucose homoeostasis. Diabetes and Metabolism, 2018, 44, 261-268.	1.4	16
53	Abdominal fat deposits determined by magnetic resonance imaging in relation to leptin and vaspin levels as well as insulin resistance in the general adult population. International Journal of Obesity, 2018, 42, 183-189.	1.6	11
54	Molecular Fingerprints of Iron Parameters among a Population-Based Sample. Nutrients, 2018, 10, 1800.	1.7	3

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55	Hepatic Steatosis Is Associated With Adverse Molecular Signatures in Subjects Without Diabetes. Journal of Clinical Endocrinology and Metabolism, 2018, 103, 3856-3868.	1.8	24
56	Metabolomic profiling implicates adiponectin as mediator of a favorable lipoprotein profile associated with NT-proBNP. Cardiovascular Diabetology, 2018, 17, 120.	2.7	19
57	Empowering thyroid hormone research in human subjects using OMICs technologies. Journal of Endocrinology, 2018, 238, R13-R29.	1.2	17
58	Comprehensive Metabolic Profiling Reveals a Lipid-Rich Fingerprint of Free Thyroxine Far Beyond Classic Parameters. Journal of Clinical Endocrinology and Metabolism, 2018, 103, 2050-2060.	1.8	8
59	Plasma proteome and metabolome characterization of an experimental human thyrotoxicosis model. BMC Medicine, 2017, 15, 6.	2.3	30
60	Serum chemerin is associated with inflammatory and metabolic parametersâ€"results of a populationâ€based study. Obesity, 2017, 25, 468-475.	1.5	72
61	Genome-wide association study of 1,5-anhydroglucitol identifies novel genetic loci linked to glucose metabolism. Scientific Reports, 2017, 7, 2812.	1.6	26
62	Genetic determinants of serum vitamin B12 and their relation to body mass index. European Journal of Epidemiology, 2017, 32, 125-134.	2.5	35
63	Evidence for Stress-like Alterations in the HPA-Axis in Women Taking Oral Contraceptives. Scientific Reports, 2017, 7, 14111.	1.6	51
64	Sex-specific metabolic profiles of androgens and its main binding protein SHBG in a middle aged population without diabetes. Scientific Reports, 2017, 7, 2235.	1.6	12
65	Phenotype-driven identification of modules in a hierarchical map of multifluid metabolic correlations. Npj Systems Biology and Applications, 2017, 3, 28.	1.4	21
66	Urinary metabolomics reveals glycemic and coffee associated signatures of thyroid function in two population-based cohorts. PLoS ONE, 2017, 12, e0173078.	1.1	20
67	Comprehensive metabolic profiling of chronic low-grade inflammation among generally healthy individuals. BMC Medicine, 2017, 15, 210.	2.3	91
68	Comprehensive metabolic characterization of serum osteocalcin action in a large non-diabetic sample. PLoS ONE, 2017, 12, e0184721.	1.1	0
69	Genome-wide association study of caffeine metabolites provides new insights to caffeine metabolism and dietary caffeine-consumption behavior. Human Molecular Genetics, 2016, 25, ddw334.	1.4	107
70	Metabolic Fingerprints of Circulating IGF-1 and the IGF-1/IGFBP-3 Ratio: A Multifluid Metabolomics Study. Journal of Clinical Endocrinology and Metabolism, 2016, 101, 4730-4742.	1.8	18
71	Measuring Biological Age via Metabonomics: The Metabolic Age Score. Journal of Proteome Research, 2016, 15, 400-410.	1.8	105
72	Quality assurance in the pre-analytical phase of human urine samples by 1H NMR spectroscopy. Archives of Biochemistry and Biophysics, 2016, 589, 10-17.	1.4	20

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73	Associations of circulating plasma microRNAs with age, body mass index and sex in a population-based study. BMC Medical Genomics, 2015, 8, 61.	0.7	133
74	Genome-Wide Association Study with Targeted and Non-targeted NMR Metabolomics Identifies 15 Novel Loci of Urinary Human Metabolic Individuality. PLoS Genetics, 2015, 11, e1005487.	1.5	83
75	Gender-specific pathway differences in the human serum metabolome. Metabolomics, 2015, 11, 1815-1833.	1.4	218
76	Urine Metabolomics by 1H-NMR Spectroscopy Indicates Associations between Serum 3,5-T2 Concentrations and Intermediary Metabolism in Euthyroid Humans. European Thyroid Journal, 2015, 4, 92-100.	1.2	32
77	Translating Pharmacological Findings from Hypothyroid Rodents to Euthyroid Humans: Is There a Functional Role of Endogenous 3,5-T2?. Thyroid, 2015, 25, 188-197.	2.4	35
78	Distinct urinary metabolic profiles associated with serum TSH and FT4 concentrations. Metabolomics, 2015, 11, 1316-1326.	1.4	7