

Karsten Suhre

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

265
papers

16,295
citations

66
h-index

121
g-index

311
ext. papers

20,014
ext. citations

8
avg, IF

6.39
L-index

#	Paper	IF	Citations
265	Advancing Cancer Treatment by Targeting Glutamine Metabolism-A Roadmap.. <i>Cancers</i> , 2022 , 14,	6.6	6
264	Epigenetic scores for the circulating proteome as tools for disease prediction.. <i>ELife</i> , 2022 , 11,	8.9	2
263	Qatar Genome: Insights on Genomics from the Middle East.. <i>Human Mutation</i> , 2022 ,	4.7	4
262	A population study of clinically actionable genetic variation affecting drug response from the Middle East.. <i>Npj Genomic Medicine</i> , 2022 , 7, 10	6.2	5
261	Analysis of incidental findings in Qatar genome participants reveals novel functional variants in LMNA and DSP.. <i>Human Molecular Genetics</i> , 2022 ,	5.6	1
260	Matching Drug Metabolites from Non-Targeted Metabolomics to Self-Reported Medication in the Qatar Biobank Study.. <i>Metabolites</i> , 2022 , 12,	5.6	1
259	Proteomic Analysis of Plasma Markers in Patients Maintained on Antipsychotics: Comparison to Patients Off Antipsychotics and Normal Controls.. <i>Frontiers in Psychiatry</i> , 2022 , 13, 809071	5	0
258	Ratios of Acetaminophen Metabolites Identify New Loci of Pharmacogenetic Relevance in a Genome-Wide Association Study. <i>Metabolites</i> , 2022 , 12, 496	5.6	0
257	Detection of infiltrating fibroblasts by single-cell transcriptomics in human kidney allografts. <i>PLoS ONE</i> , 2022 , 17, e0267704	3.7	0
256	Defining the landscape of metabolic dysregulations in cancer metastasis.. <i>Clinical and Experimental Metastasis</i> , 2021 , 39, 345	4.7	3
255	Metabolic and Metabo-Clinical Signatures of T2D, Obesity, Retinopathy and Dyslipidemia. <i>Diabetes</i> , 2021 ,	0.9	3
254	The Proteomic Signature of Recombinant Growth Hormone in Recreational Athletes. <i>Journal of the Endocrine Society</i> , 2021 , 5, bvab156	0.4	0
253	Proteome-wide associations with short- and long-term weight loss and regain after Roux-en-Y gastric bypass surgery. <i>Obesity</i> , 2021 , 30, 129	8	0
252	Thousands of Qatari genomes inform human migration history and improve imputation of Arab haplotypes. <i>Nature Communications</i> , 2021 , 12, 5929	17.4	4
251	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,	13.4	2
250	Genome-wide investigation identifies a rare copy-number variant burden associated with human spina bifida. <i>Genetics in Medicine</i> , 2021 , 23, 1211-1218	8.1	3
249	Deep sequencing of DNA from urine of kidney allograft recipients to estimate donor/recipient-specific DNA fractions. <i>PLoS ONE</i> , 2021 , 16, e0249930	3.7	

248	Evidence of Recombination Suppression Blocks on the Y Chromosome of Date Palm (). <i>Frontiers in Plant Science</i> , 2021 , 12, 634901	6.2	1
247	Connecting the epigenome, metabolome and proteome for a deeper understanding of disease. <i>Journal of Internal Medicine</i> , 2021 , 290, 527-548	10.8	1
246	Metabolic syndrome and the plasma proteome: from association to causation. <i>Cardiovascular Diabetology</i> , 2021 , 20, 111	8.7	4
245	Plasma Proteomics of Renal Function: A Trans-ethnic Meta-analysis and Mendelian Randomization Study. <i>Journal of the American Society of Nephrology: JASN</i> , 2021 ,	12.7	1
244	Genetics meets proteomics: perspectives for large population-based studies. <i>Nature Reviews Genetics</i> , 2021 , 22, 19-37	30.1	62
243	Omics Resources and Applications in Date Palm. <i>Compendium of Plant Genomes</i> , 2021 , 73-83	0.8	
242	Signal Transducer and Activator of Transcription 3 (STAT3) Suppresses STAT1/Interferon Signaling Pathway and Inflammation in Senescent Preadipocytes. <i>Antioxidants</i> , 2021 , 10,	7.1	3
241	Whole genome sequencing in the Middle Eastern Qatari population identifies genetic associations with 45 clinically relevant traits. <i>Nature Communications</i> , 2021 , 12, 1250	17.4	14
240	Revealing the role of the human blood plasma proteome in obesity using genetic drivers. <i>Nature Communications</i> , 2021 , 12, 1279	17.4	14
239	Salivary metabolites associated with a 5-year tooth loss identified in a population-based setting. <i>BMC Medicine</i> , 2021 , 19, 161	11.4	2
238	Actionable genomic variants in 6045 participants from the Qatar Genome Program. <i>Human Mutation</i> , 2021 , 42, 1584	4.7	5
237	Systems biology analysis of human genomes points to key pathways conferring spina bifida risk.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	3
236	Circulating Protein Signatures and Causal Candidates for Type 2 Diabetes. <i>Diabetes</i> , 2020 , 69, 1843-1853	30.9	27
235	Effect of induced hypoglycemia on inflammation and oxidative stress in type 2 diabetes and control subjects. <i>Scientific Reports</i> , 2020 , 10, 4750	4.9	30
234	Metabolic Signatures of Tumor Responses to Doxorubicin Elucidated by Metabolic Profiling. <i>Metabolites</i> , 2020 , 10,	5.6	6
233	Genome-Wide Association Study Reveals a Novel Association Between MYBPC3 Gene Polymorphism, Endurance Athlete Status, Aerobic Capacity and Steroid Metabolism. <i>Frontiers in Genetics</i> , 2020 , 11, 595	4.5	16
232	Proteome-wide assessment of diabetes mellitus in Qatari identifies IGFBP-2 as a risk factor already with early glycaemic disturbances. <i>Archives of Biochemistry and Biophysics</i> , 2020 , 689, 108476	4.1	5
231	Genetic studies of urinary metabolites illuminate mechanisms of detoxification and excretion in humans. <i>Nature Genetics</i> , 2020 , 52, 167-176	36.3	32

230	Genome-wide scan identifies novel genetic loci regulating salivary metabolite levels. <i>Human Molecular Genetics</i> , 2020 , 29, 864-875	5.6	5
229	Urinary cell transcriptomics and acute rejection in human kidney allografts. <i>JCI Insight</i> , 2020 , 5,	9.9	8
228	Epigenetics meets proteomics in an epigenome-wide association study with circulating blood plasma protein traits. <i>Nature Communications</i> , 2020 , 11, 15	17.4	34
227	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	0.9	5
226	A strategy to incorporate prior knowledge into correlation network cutoff selection. <i>Nature Communications</i> , 2020 , 11, 5153	17.4	5
225	Identification of genetic variants controlling RNA editing and their effect on RNA structure stabilization. <i>European Journal of Human Genetics</i> , 2020 , 28, 1753-1762	5.3	3
224	Deletion of beta-fructofuranosidase (invertase) genes is associated with sucrose content in Date Palm fruit. <i>Plant Direct</i> , 2020 , 4, e00214	3.3	4
223	The metabolic footprint of compromised insulin sensitivity under fasting and hyperinsulinemic-euglycemic clamp conditions in an Arab population. <i>Scientific Reports</i> , 2020 , 10, 17164	4.9	0
222	STXBP6, reciprocally regulated with autophagy, reduces triple negative breast cancer aggressiveness. <i>Clinical and Translational Medicine</i> , 2020 , 10, e147	5.7	0
221	Deciphering the Plasma Proteome of Type 2 Diabetes. <i>Diabetes</i> , 2020 , 69, 2766-2778	0.9	15
220	Metabolomic profiling identifies novel associations with Electrolyte and Acid-Base Homeostatic patterns. <i>Scientific Reports</i> , 2019 , 9, 15088	4.9	4
219	Unraveling the functional role of the orphan solute carrier, SLC22A24 in the transport of steroid conjugates through metabolomic and genome-wide association studies. <i>PLoS Genetics</i> , 2019 , 15, e1008208	6.8	14
218	Novel subpopulations in date palm (<i>Phoenix dactylifera</i>) identified by population-wide organellar genome sequencing. <i>BMC Genomics</i> , 2019 , 20, 498	4.5	17
217	Characterization of Bulk Phosphatidylcholine Compositions in Human Plasma Using Side-Chain Resolving Lipidomics. <i>Metabolites</i> , 2019 , 9,	5.6	8
216	The Saliva Metabolome in Association to Oral Health Status. <i>Journal of Dental Research</i> , 2019 , 98, 642-651	5.1	39
215	Defining the genetic control of human blood plasma N-glycome using genome-wide association study. <i>Human Molecular Genetics</i> , 2019 , 28, 2062-2077	5.6	28
214	Metabolic profiling of elite athletes with different cardiovascular demand. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2019 , 29, 933-943	4.6	9
213	Metabolomics Identifies Novel Blood Biomarkers of Pulmonary Function and COPD in the General Population. <i>Metabolites</i> , 2019 , 9,	5.6	14

212	Metabolomics of Dynamic Changes in Insulin Resistance Before and After Exercise in PCOS. <i>Frontiers in Endocrinology</i> , 2019 , 10, 116	5.7	17
211	MoIdentify: phenotype-driven module identification in metabolomics networks at different resolutions. <i>Bioinformatics</i> , 2019 , 35, 532-534	7.2	9
210	Association of childhood traumatization and neuropsychiatric outcomes with altered plasma micro RNA-levels. <i>Neuropsychopharmacology</i> , 2019 , 44, 2030-2037	8.7	8
209	A Systems-level Characterization of the Differentiation of Human Embryonic Stem Cells into Mesenchymal Stem Cells. <i>Molecular and Cellular Proteomics</i> , 2019 , 18, 1950-1966	7.6	9
208	Fine-Mapping of the Human Blood Plasma N-Glycome onto Its Proteome. <i>Metabolites</i> , 2019 , 9,	5.6	7
207	Alterations in long noncoding RNAs in women with and without polycystic ovarian syndrome. <i>Clinical Endocrinology</i> , 2019 , 91, 793-797	3.4	11
206	Metabolic GWAS of elite athletes reveals novel genetically-influenced metabolites associated with athletic performance. <i>Scientific Reports</i> , 2019 , 9, 19889	4.9	8
205	Metabolic and proteomic signatures of hypoglycaemia in type 2 diabetes. <i>Diabetes, Obesity and Metabolism</i> , 2019 , 21, 909-919	6.7	6
204	ProGeM: a framework for the prioritization of candidate causal genes at molecular quantitative trait loci. <i>Nucleic Acids Research</i> , 2019 , 47, e3	20.1	45
203	Single nucleotide variant counts computed from RNA sequencing and cellular traffic into human kidney allografts. <i>American Journal of Transplantation</i> , 2018 , 18, 2429-2442	8.7	8
202	Whole-exome sequencing identifies common and rare variant metabolic QTLs in a Middle Eastern population. <i>Nature Communications</i> , 2018 , 9, 333	17.4	33
201	Deep molecular phenotypes link complex disorders and physiological insult to CpG methylation. <i>Human Molecular Genetics</i> , 2018 , 27, 1106-1121	5.6	21
200	A comprehensive metabolomic data set of date palm fruit. <i>Data in Brief</i> , 2018 , 18, 1313-1321	1.2	14
199	Metabolite ratios as potential biomarkers for type 2 diabetes: a DIRECT study. <i>Diabetologia</i> , 2018 , 61, 117-129	10.3	21
198	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	3.1	7
197	A pilot study comparing the metabolic profiles of elite-level athletes from different sporting disciplines. <i>Sports Medicine - Open</i> , 2018 , 4, 2	6.1	44
196	Genome-wide mapping of plasma protein QTLs identifies putatively causal genes and pathways for cardiovascular disease. <i>Nature Communications</i> , 2018 , 9, 3268	17.4	111
195	Genomic atlas of the human plasma proteome. <i>Nature</i> , 2018 , 558, 73-79	50.4	529

194	Characterization of missing values in untargeted MS-based metabolomics data and evaluation of missing data handling strategies. <i>Metabolomics</i> , 2018 , 14, 128	4.7	63
193	Genotyping-by-sequencing identifies date palm clone preference in agronomics of the State of Qatar. <i>PLoS ONE</i> , 2018 , 13, e0207299	3.7	5
192	Metabolomics profiling of xenobiotics in elite athletes: relevance to supplement consumption. <i>Journal of the International Society of Sports Nutrition</i> , 2018 , 15, 48	4.5	17
191	Genus-wide sequencing supports a two-locus model for sex-determination in Phoenix. <i>Nature Communications</i> , 2018 , 9, 3969	17.4	57
190	Overview of the Meso-NH model version 5.4 and its applications. <i>Geoscientific Model Development</i> , 2018 , 11, 1929-1969	6.3	114
189	Overview of the Meso-NH model version 5.4 and its applications 2018 ,		4
188	Metabolic changes of the blood metabolome after a date fruit challenge. <i>Journal of Functional Foods</i> , 2018 , 49, 267-276	5.1	8
187	Accelerated lipid catabolism and autophagy are cancer survival mechanisms under inhibited glutaminolysis. <i>Cancer Letters</i> , 2018 , 430, 133-147	9.9	38
186	Improvement of myocardial infarction risk prediction via inflammation-associated metabolite biomarkers. <i>Heart</i> , 2017 , 103, 1278-1285	5.1	27
185	Connecting genetic risk to disease end points through the human blood plasma proteome. <i>Nature Communications</i> , 2017 , 8, 14357	17.4	249
184	Metabolic network failures in Alzheimer's disease: A biochemical road map. <i>Alzheimer's and Dementia</i> , 2017 , 13, 965-984	1.2	201
183	Nesting of colon and ovarian cancer cells in the endothelial niche is associated with alterations in glycan and lipid metabolism. <i>Scientific Reports</i> , 2017 , 7, 39999	4.9	20
182	Evidence for Stress-like Alterations in the HPA-Axis in Women Taking Oral Contraceptives. <i>Scientific Reports</i> , 2017 , 7, 14111	4.9	24
181	Large Scale Metabolic Profiling identifies Novel Steroids linked to Rheumatoid Arthritis. <i>Scientific Reports</i> , 2017 , 7, 9137	4.9	16
180	Genetic variants including markers from the exome chip and metabolite traits of type 2 diabetes. <i>Scientific Reports</i> , 2017 , 7, 6037	4.9	10
179	Advanced glycation end products among patients maintained on antipsychotics. <i>International Clinical Psychopharmacology</i> , 2017 , 32, 256-261	2.2	0
178	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	4.9	9
177	PopPAnTe: population and pedigree association testing for quantitative data. <i>BMC Genomics</i> , 2017 , 18, 150	4.5	4

176	Complementarity of SOMAscan to LC-MS/MS and RNA-seq for quantitative profiling of human embryonic and mesenchymal stem cells. <i>Journal of Proteomics</i> , 2017 , 150, 86-97	3.9	28
175	Phenotype-driven identification of modules in a hierarchical map of multifluid metabolic correlations. <i>Npj Systems Biology and Applications</i> , 2017 , 3, 28	5	12
174	From Discovery to Translation: Characterization of C-Mannosyltryptophan and Pseudouridine as Markers of Kidney Function. <i>Scientific Reports</i> , 2017 , 7, 17400	4.9	21
173	pulver: an R package for parallel ultra-rapid p-value computation for linear regression interaction terms. <i>BMC Bioinformatics</i> , 2017 , 18, 429	3.6	0
172	The association between various smoking behaviors, cotinine biomarkers and skin autofluorescence, a marker for advanced glycation end product accumulation. <i>PLoS ONE</i> , 2017 , 12, e0179330	2.7	20
171	Metabolic switch during adipogenesis: From branched chain amino acid catabolism to lipid synthesis. <i>Archives of Biochemistry and Biophysics</i> , 2016 , 589, 93-107	4.1	40
170	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, 1175-88	12.7	119
169	Biochemical insights from population studies with genetics and metabolomics. <i>Archives of Biochemistry and Biophysics</i> , 2016 , 589, 168-76	4.1	34
168	Type 2 diabetes is associated with postprandial amino acid measures. <i>Archives of Biochemistry and Biophysics</i> , 2016 , 589, 138-44	4.1	17
167	Urine Metabolite Profiles Predictive of Human Kidney Allograft Status. <i>Journal of the American Society of Nephrology: JASN</i> , 2016 , 27, 626-36	12.7	41
166	Comprehensive transcriptomic and proteomic characterization of human mesenchymal stem cells reveals source specific cellular markers. <i>Scientific Reports</i> , 2016 , 6, 21507	4.9	79
165	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	7.8	14
164	Metformin Effect on Nontargeted Metabolite Profiles in Patients With Type 2 Diabetes and in Multiple Murine Tissues. <i>Diabetes</i> , 2016 , 65, 3776-3785	0.9	30
163	Measurement of 1,5-anhydroglucitol in blood and saliva: from non-targeted metabolomics to biochemical assay. <i>Journal of Translational Medicine</i> , 2016 , 14, 140	8.5	17
162	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	5.6	16
161	Mendelian inheritance of trimodal CpG methylation sites suggests distal cis-acting genetic effects. <i>Clinical Epigenetics</i> , 2016 , 8, 124	7.7	8
160	Diagnostic and Prognostic Metabolites Identified for Joint Symptoms in the KORA Population. <i>Journal of Proteome Research</i> , 2016 , 15, 554-62	5.6	2
159	Epigenetic associations of type 2 diabetes and BMI in an Arab population. <i>Clinical Epigenetics</i> , 2016 , 8, 13	7.7	76

158	A graph based method for depicting population characteristics using Genome Wide Data. <i>Journal of Computational Science</i> , 2016 , 15, 11-17	3.4	1
157	Indigenous Arabs are descendants of the earliest split from ancient Eurasian populations. <i>Genome Research</i> , 2016 , 26, 151-62	9.7	60
156	Genetic Influences on Metabolite Levels: A Comparison across Metabolomic Platforms. <i>PLoS ONE</i> , 2016 , 11, e0153672	3.7	48
155	Specific Metabolic Markers Are Associated with Future Waist-Gaining Phenotype in Women. <i>PLoS ONE</i> , 2016 , 11, e0157733	3.7	3
154	Metabolomics profiling reveals novel markers for leukocyte telomere length. <i>Aging</i> , 2016 , 8, 77-94	5.6	21
153	Alterations in Lipid and Inositol Metabolisms in Two Dopaminergic Disorders. <i>PLoS ONE</i> , 2016 , 11, e01473129	3.7	22
152	The Pharmacogenetic Footprint of ACE Inhibition: A Population-Based Metabolomics Study. <i>PLoS ONE</i> , 2016 , 11, e0153163	3.7	9
151	Non-truncating LIFR mutation: causal for prominent congenital pain insensitivity phenotype with progressive vertebral destruction?. <i>Clinical Genetics</i> , 2016 , 89, 210-6	4	8
150	Metabolomics enables precision medicine: "A White Paper, Community Perspective". <i>Metabolomics</i> , 2016 , 12, 149	4.7	327
149	Identification of putative biomarkers for type 2 diabetes using metabolomics in the Korea Association REsource (KARE) cohort. <i>Metabolomics</i> , 2016 , 12, 1	4.7	15
148	Genome-wide association study of caffeine metabolites provides new insights to caffeine metabolism and dietary caffeine-consumption behavior. <i>Human Molecular Genetics</i> , 2016 , 25, 5472-5482	5.6	64
147	DI-ICR-FT-MS-based high-throughput deep metabotyping: a case study of the <i>Caenorhabditis elegans</i> - <i>Pseudomonas aeruginosa</i> infection model. <i>Analytical and Bioanalytical Chemistry</i> , 2015 , 407, 1059-73	4.4	23
146	SNiPA: an interactive, genetic variant-centered annotation browser. <i>Bioinformatics</i> , 2015 , 31, 1334-6	7.2	160
145	Genetics of human metabolism: an update. <i>Human Molecular Genetics</i> , 2015 , 24, R93-R101	5.6	79
144	Sex differences in urine metabolites related with risk of diabetes using NMR spectroscopy: results of the study of health in pomerania. <i>Metabolomics</i> , 2015 , 11, 1405-1415	4.7	14
143	Multi-omic signature of body weight change: results from a population-based cohort study. <i>BMC Medicine</i> , 2015 , 13, 48	11.4	51
142	Effects of metformin on metabolite profiles and LDL cholesterol in patients with type 2 diabetes. <i>Diabetes Care</i> , 2015 , 38, 1858-67	14.6	76
141	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, 1855-67	10.3	63

140	Metabolomic identification of a novel pathway of blood pressure regulation involving hexadecanedioate. <i>Hypertension</i> , 2015 , 66, 422-9	8.5	63
139	Response to Comment on Xu et al. Effects of Metformin on Metabolite Profiles and LDL Cholesterol in Patients With Type 2 Diabetes. <i>Diabetes Care</i> 2015;38:1858-1867. <i>Diabetes Care</i> , 2015 , 38, e216-7	14.6	6
138	Network-based approach for analyzing intra- and interfluid metabolite associations in human blood, urine, and saliva. <i>Journal of Proteome Research</i> , 2015 , 14, 1183-94	5.6	33
137	Metformin supports the antidiabetic effect of a sodium glucose cotransporter 2 inhibitor by suppressing endogenous glucose production in diabetic mice. <i>Diabetes</i> , 2015 , 64, 284-90	0.9	29
136	Copy number variations in the genome of the Qatari population. <i>BMC Genomics</i> , 2015 , 16, 834	4.5	8
135	Metabolic signatures differentiate ovarian from colon cancer cell lines. <i>Journal of Translational Medicine</i> , 2015 , 13, 223	8.5	25
134	Associations of circulating plasma microRNAs with age, body mass index and sex in a population-based study. <i>BMC Medical Genomics</i> , 2015 , 8, 61	3.7	105
133	Bipolar disorders in the Arab world: a critical review. <i>Annals of the New York Academy of Sciences</i> , 2015 , 1345, 59-66	6.5	3
132	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	6	66
131	MetaRNA-Seq: An Interactive Tool to Browse and Annotate Metadata from RNA-Seq Studies. <i>BioMed Research International</i> , 2015 , 2015, 318064	3	1
130	Association of DNA methylation with age, gender, and smoking in an Arab population. <i>Clinical Epigenetics</i> , 2015 , 7, 6	7.7	65
129	Genome-wide association study identifies novel genetic variants contributing to variation in blood metabolite levels. <i>Nature Communications</i> , 2015 , 6, 7208	17.4	126
128	Metabolomics of dates (<i>Phoenix dactylifera</i>) reveals a highly dynamic ripening process accounting for major variation in fruit composition. <i>BMC Plant Biology</i> , 2015 , 15, 291	5.3	32
127	Gender-specific pathway differences in the human serum metabolome. <i>Metabolomics</i> , 2015 , 11, 1815-1823	4.7	130
126	A Genome-Wide Survey of Date Palm Cultivars Supports Two Major Subpopulations in <i>Phoenix dactylifera</i> . <i>G3: Genes, Genomes, Genetics</i> , 2015 , 5, 1429-38	3.2	39
125	The Human Blood Metabolome-Transcriptome Interface. <i>PLoS Genetics</i> , 2015 , 11, e1005274	6	65
124	Systems biology analysis merging phenotype, metabolomic and genomic data identifies Non-SMC Condensin I Complex, Subunit G (NCAPG) and cellular maintenance processes as major contributors to genetic variability in bovine feed efficiency. <i>PLoS ONE</i> , 2015 , 10, e0124574	3.7	26
123	Long term conservation of human metabolic phenotypes and link to heritability. <i>Metabolomics</i> , 2014 , 10, 1005-1017	4.7	50

122	1,5-Anhydroglucitol in saliva is a noninvasive marker of short-term glycemic control. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2014 , 99, E479-83	5.6	58
121	An atlas of genetic influences on human blood metabolites. <i>Nature Genetics</i> , 2014 , 46, 543-550	36.3	695
120	Leveraging cross-species transcription factor binding site patterns: from diabetes risk loci to disease mechanisms. <i>Cell</i> , 2014 , 156, 343-58	56.2	96
119	On the potential of models for location and scale for genome-wide DNA methylation data. <i>BMC Bioinformatics</i> , 2014 , 15, 232	3.6	11
118	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	8.5	17
117	Metabolomics approach reveals effects of antihypertensives and lipid-lowering drugs on the human metabolism. <i>European Journal of Epidemiology</i> , 2014 , 29, 325-36	12.1	51
116	Where cancer genomics should go next: a clinician's perspective. <i>Human Molecular Genetics</i> , 2014 , 23, R69-75	5.6	12
115	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	4.7	14
114	A first genetic map of date palm (<i>Phoenix dactylifera</i>) reveals long-range genome structure conservation in the palms. <i>BMC Genomics</i> , 2014 , 15, 285	4.5	68
113	Cohort profile: Greifswald approach to individualized medicine (GANI_MED). <i>Journal of Translational Medicine</i> , 2014 , 12, 144	8.5	37
112	Mapping the genetic architecture of gene regulation in whole blood. <i>PLoS ONE</i> , 2014 , 9, e93844	3.7	27
111	Metabolic profiling in diabetes. <i>Journal of Endocrinology</i> , 2014 , 221, R75-85	4.7	73
110	Evaluation of SNP calling using single and multiple-sample calling algorithms by validation against array base genotyping and Mendelian inheritance. <i>BMC Research Notes</i> , 2014 , 7, 747	2.3	11
109	Novel genetic associations with serum level metabolites identified by phenotype set enrichment analyses. <i>Human Molecular Genetics</i> , 2014 , 23, 5847-57	5.6	23
108	Epigenetics meets metabolomics: an epigenome-wide association study with blood serum metabolic traits. <i>Human Molecular Genetics</i> , 2014 , 23, 534-45	5.6	147
107	Mesenchymal cell interaction with ovarian cancer cells induces a background dependent pro-metastatic transcriptomic profile. <i>Journal of Translational Medicine</i> , 2014 , 12, 59	8.5	25
106	Interrogating causal pathways linking genetic variants, small molecule metabolites, and circulating lipids. <i>Genome Medicine</i> , 2014 , 6, 25	14.4	14
105	Metabolite profiling reveals new insights into the regulation of serum urate in humans. <i>Metabolomics</i> , 2014 , 10, 141-151	4.7	36

104	Associations between thyroid hormones and serum metabolite profiles in an euthyroid population. <i>Metabolomics</i> , 2014 , 10, 152-164	4.7	18
103	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, 369-74	5.2	30
102	Biomarkers for type 2 diabetes and impaired fasting glucose using a nontargeted metabolomics approach. <i>Diabetes</i> , 2013 , 62, 4270-6	0.9	268
101	Effects of smoking and smoking cessation on human serum metabolite profile: results from the KORA cohort study. <i>BMC Medicine</i> , 2013 , 11, 60	11.4	77
100	Metabolomics platforms for genome wide association studies--linking the genome to the metabolome. <i>Current Opinion in Biotechnology</i> , 2013 , 24, 39-47	11.4	77
99	Metabolomic profiles in individuals with negative affectivity and social inhibition: a population-based study of Type D personality. <i>Psychoneuroendocrinology</i> , 2013 , 38, 1299-309	5	23
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