KÃ©vin Contrepois

List of Publications by Year
in descending order

52	5,241	136740	182168
papers	citations	32 h-index	51 g-index

63	63	63	8629
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Proteomic signatures predict preeclampsia in individual cohorts but not across cohorts â€“ implications for clinical biomarker studies. Journal of Maternal-Fetal and Neonatal Medicine, 2022, 35, 5621-5628.	0.7	20
2	metID: an R package for automatable compound annotation for LCâ€'MS-based data. Bioinformatics, 2022, 38, 568-569.	1.8	15
3	The Right Heart Network and Risk Stratification in Pulmonary Arterial Hypertension. Chest, 2022, 161, 1347-1359.	0.4	9
4	Global, distinctive, and personal changes in molecular and microbial profiles by specific fibers in humans. Cell Host and Microbe, 2022, 30, 848-862.e7.	5.1	48
5	Prediction of gestational age using urinary metabolites in term and preterm pregnancies. Scientific Reports, 2022, 12, 8033.	1.6	4
6	Endogenous Retroviral Elements Generate Pathologic Neutrophils in Pulmonary Arterial Hypertension. American Journal of Respiratory and Critical Care Medicine, 2022, 206, 1019-1034.	2.5	10
7	An exercise-inducible metabolite that suppresses feeding and obesity. Nature, 2022, 606, 785-790.	13.7	96
8	Robust identification of temporal biomarkers in longitudinal omics studies. Bioinformatics, 2022, 38, 3802-3811.	1.8	10
9	Towards personalized medicine in maternal and child health: integrating biologic and social determinants. Pediatric Research, 2021, 89, 252-258.	1.1	19
10	ALDH1A3 Coordinates Metabolism With Gene Regulation in Pulmonary Arterial Hypertension. Circulation, 2021, 143, 2074-2090.	1.6	34
11	Integrated trajectories of the maternal metabolome, proteome, and immunome predict labor onset. Science Translational Medicine, 2021, 13, .	5.8	82
12	Impact of acute lymphoblastic leukemia induction therapy: findings from metabolomics on non-fasted plasma samples from a biorepository. Metabolomics, 2021, 17, 64.	1.4	7
13	H2B Type 1-K Accumulates in Senescent Fibroblasts with Persistent DNA Damage along with Methylated and Phosphorylated Forms of HMGA1. Proteomes, 2021, 9, 30.	1.7	3
14	Peripheral Oxygen Extraction and Exercise Limitation in Asymptomatic Patients with Diabetes Mellitus. American Journal of Cardiology, 2021, 149, 132-139.	0.7	4
15	Mass spectrometry-based metabolomics: a guide for annotation, quantification and best reporting practices. Nature Methods, 2021, 18, 747-756.	9.0	403
16	Plasma Metabolites in Early Sepsis Identify Distinct Clusters Defined by Plasma Lipids. , 2021, 3, e0478.		10
17	Multi-omic profiling of primary mouse neutrophils predicts a pattern of sex- and age-related functional regulation. Nature Aging, 2021, 1, 715-733.	5.3	55
18	Temporal changes in soluble angiotensin-converting enzyme 2 associated with metabolic health, body composition, and proteome dynamics during a weight loss diet intervention: a randomized trial with implications for the COVID-19 pandemic. American Journal of Clinical Nutrition, 2021, 114, 1655-1665.	2.2	3

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19	Cross-Platform Evaluation of Commercially Targeted and Untargeted Metabolomics Approaches to Optimize the Investigation of Psychiatric Disease. Metabolites, 2021, 11, 609.	1.3	6
20	A scalable, secure, and interoperable platform for deep data-driven health management. Nature Communications, 2021, 12, 5757.	5.8	27
21	In-depth triacylglycerol profiling using MS3 Q-Trap mass spectrometry. Analytica Chimica Acta, 2021, 1184, 339023.	2.6	4
22	Altered Cardiac Energetics and Mitochondrial Dysfunction in Hypertrophic Cardiomyopathy. Circulation, 2021, 144, 1714-1731.	1.6	90
23	Cross-Laboratory Standardization of Preclinical Lipidomics Using Differential Mobility Spectrometry and Multiple Reaction Monitoring. Analytical Chemistry, 2021, 93, 16369-16378.	3.2	40
24	Exercise plasma boosts memory and dampens brain inflammation via clusterin. Nature, 2021, 600, 494-499.	13.7	156
25	Design and Methods of the Validating Injury to the Renal Transplant Using Urinary Signatures (VIRTUUS) Study in Children. Transplantation Direct, 2021, 7, e791.	0.8	3
26	Global metabolic profiling to model biological processes of aging in twins. Aging Cell, 2020, 19, e13073.	3.0	38
27	Deep longitudinal multiomics profiling reveals two biological seasonal patterns in California. Nature Communications, 2020, 11, 4933.	5.8	36
28	Incremental value of diastolic stress test in identifying subclinical heart failure in patients with diabetes mellitus. European Heart Journal Cardiovascular Imaging, 2020, 21, 876-884.	0.5	12
29	Molecular Choreography of Acute Exercise. Cell, 2020, 181, 1112-1130.e16.	13.5	261
30	Physiological bloodâ€“brain transport is impaired with age by a shift in transcytosis. Nature, 2020, 583, 425-430.	13.7	243
31	Metabolic Dynamics and Prediction of Gestational Age and Time to Delivery in Pregnant Women. Cell, 2020, 181, 1680-1692.e15.	13.5	154
32	Multiomic immune clockworks of pregnancy. Seminars in Immunopathology, 2020, 42, 397-412.	2.8	47
33	Personal aging markers and ageotypes revealed by deep longitudinal profiling. Nature Medicine, 2020, 26, 83-90.	15.2	225
34	The MEK5â€“ERK5 Kinase Axis Controls Lipid Metabolism in Small-Cell Lung Cancer. Cancer Research, 2020, 80, 1293-1303.	0.4	49
35	The Human Tumor Atlas Network: Charting Tumor Transitions across Space and Time at Single-Cell Resolution. Cell, 2020, 181, 236-249.	13.5	334
36	Multiomics Characterization of Preterm Birth in Low- and Middle-Income Countries. JAMA Network Open, 2020, 3, e2029655.	2.8	53

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37	Systematic Identification of Regulators of Oxidative Stress Reveals Non-canonical Roles for Peroxisomal Import and the Pentose Phosphate Pathway. Cell Reports, 2020, 30, 1417-1433.e7.	2.9	49
38	Multiomics modeling of the immunome, transcriptome, microbiome, proteome and metabolome adaptations during human pregnancy. Bioinformatics, 2019, 35, 95-103.	1.8	162
39	Longitudinal multi-omics of hostâ€“microbe dynamics in prediabetes. Nature, 2019, 569, 663-671.	13.7	391
40	A longitudinal big data approach for precision health. Nature Medicine, 2019, 25, 792-804.	15.2	329
41	The NASA Twins Study: A multidimensional analysis of a year-long human spaceflight. Science, 2019, 364, .	6.0	576
42	Macrophage de novo NAD+ synthesis specifies immune function in aging and inflammation. Nature Immunology, 2019, 20, 50-63.	7.0	304
43	Biallelic Mutations in ATP5F1D, which Encodes a Subunit of ATP Synthase, Cause a Metabolic Disorder. American Journal of Human Genetics, 2018, 102, 494-504.	2.6	59
44	Integrative Personal Omics Profiles during Periods of Weight Gain and Loss. Cell Systems, 2018, 6, 157-170.e8.	2.9	183
45	Cross-Platform Comparison of Untargeted and Targeted Lipidomics Approaches on Aging Mouse Plasma. Scientific Reports, 2018, 8, 17747.	1.6	81
46	Histone variant H2A.J accumulates in senescent cells and promotes inflammatory gene expression. Nature Communications, 2017, 8, 14995.	5.8	131
47	Profiling of ARDS pulmonary edema fluid identifies a metabolically distinct subset. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2017, 312, L703-L709.	1.3	36
48	Can Metabolic Profiles Be Used as a Phenotypic Readout of the Genome to Enhance Precision Medicine?. Clinical Chemistry, 2016, 62, 676-678.	1.5	21
49	Nat1 Deficiency Is Associated with Mitochondrial Dysfunction and Exercise Intolerance in Mice. Cell Reports, 2016, 17, 527-540.	2.9	35
50	Optimized Analytical Procedures for the Untargeted Metabolomic Profiling of Human Urine and Plasma by Combining Hydrophilic Interaction (HILIC) and Reverse-Phase Liquid Chromatography (RPLC)â€“Mass Spectrometry*. Molecular and Cellular Proteomics, 2015, 14, 1684-1695.	2.5	183
51	Deacetylation of H4-K16Ac and heterochromatin assembly in senescence. Epigenetics and Chromatin, 2012, 5, 15.	1.8	35
52	Ultra-High Performance Liquid Chromatographyâ^'Mass Spectrometry for the Fast Profiling of Histone Post-Translational Modifications. Journal of Proteome Research, 2010, 9, 5501-5509.	1.8	43