

# KÃ©vin Contrepois

## List of Publications by Year in descending order

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Version: 2024-02-01

52  
papers

5,241  
citations

136740

32  
h-index

182168

51  
g-index

63  
all docs

63  
docs citations

63  
times ranked

8629  
citing authors

#	ARTICLE	IF	CITATIONS
1	The NASA Twins Study: A multidimensional analysis of a year-long human spaceflight. <i>Science</i> , 2019, 364, .	6.0	576
2	Mass spectrometry-based metabolomics: a guide for annotation, quantification and best reporting practices. <i>Nature Methods</i> , 2021, 18, 747-756.	9.0	403
3	Longitudinal multi-omics of host-microbe dynamics in prediabetes. <i>Nature</i> , 2019, 569, 663-671.	13.7	391
4	The Human Tumor Atlas Network: Charting Tumor Transitions across Space and Time at Single-Cell Resolution. <i>Cell</i> , 2020, 181, 236-249.	13.5	334
5	A longitudinal big data approach for precision health. <i>Nature Medicine</i> , 2019, 25, 792-804.	15.2	329
6	Macrophage de novo NAD <sup>+</sup> synthesis specifies immune function in aging and inflammation. <i>Nature Immunology</i> , 2019, 20, 50-63.	7.0	304
7	Molecular Choreography of Acute Exercise. <i>Cell</i> , 2020, 181, 1112-1130.e16.	13.5	261
8	Physiological blood-brain transport is impaired with age by a shift in transcytosis. <i>Nature</i> , 2020, 583, 425-430.	13.7	243
9	Personal aging markers and ageotypes revealed by deep longitudinal profiling. <i>Nature Medicine</i> , 2020, 26, 83-90.	15.2	225
10	Optimized Analytical Procedures for the Untargeted Metabolomic Profiling of Human Urine and Plasma by Combining Hydrophilic Interaction (HILIC) and Reverse-Phase Liquid Chromatography (RPLC)-Mass Spectrometry*. <i>Molecular and Cellular Proteomics</i> , 2015, 14, 1684-1695.	2.5	183
11	Integrative Personal Omics Profiles during Periods of Weight Gain and Loss. <i>Cell Systems</i> , 2018, 6, 157-170.e8.	2.9	183
12	Multimiomics modeling of the immunome, transcriptome, microbiome, proteome and metabolome adaptations during human pregnancy. <i>Bioinformatics</i> , 2019, 35, 95-103.	1.8	162
13	Exercise plasma boosts memory and dampens brain inflammation via clusterin. <i>Nature</i> , 2021, 600, 494-499.	13.7	156
14	Metabolic Dynamics and Prediction of Gestational Age and Time to Delivery in Pregnant Women. <i>Cell</i> , 2020, 181, 1680-1692.e15.	13.5	154
15	Histone variant H2A.J accumulates in senescent cells and promotes inflammatory gene expression. <i>Nature Communications</i> , 2017, 8, 14995.	5.8	131
16	An exercise-inducible metabolite that suppresses feeding and obesity. <i>Nature</i> , 2022, 606, 785-790.	13.7	96
17	Altered Cardiac Energetics and Mitochondrial Dysfunction in Hypertrophic Cardiomyopathy. <i>Circulation</i> , 2021, 144, 1714-1731.	1.6	90
18	Integrated trajectories of the maternal metabolome, proteome, and immunome predict labor onset. <i>Science Translational Medicine</i> , 2021, 13, .	5.8	82

#	ARTICLE	IF	CITATIONS
19	Cross-Platform Comparison of Untargeted and Targeted Lipidomics Approaches on Aging Mouse Plasma. <i>Scientific Reports</i> , 2018, 8, 17747.	1.6	81
20	Biallelic Mutations in ATP5F1D, which Encodes a Subunit of ATP Synthase, Cause a Metabolic Disorder. <i>American Journal of Human Genetics</i> , 2018, 102, 494-504.	2.6	59
21	Multi-omic profiling of primary mouse neutrophils predicts a pattern of sex- and age-related functional regulation. <i>Nature Aging</i> , 2021, 1, 715-733.	5.3	55
22	Multiomics Characterization of Preterm Birth in Low- and Middle-Income Countries. <i>JAMA Network Open</i> , 2020, 3, e2029655.	2.8	53
23	The MEK5-ERK5 Kinase Axis Controls Lipid Metabolism in Small-Cell Lung Cancer. <i>Cancer Research</i> , 2020, 80, 1293-1303.	0.4	49
24	Systematic Identification of Regulators of Oxidative Stress Reveals Non-canonical Roles for Peroxisomal Import and the Pentose Phosphate Pathway. <i>Cell Reports</i> , 2020, 30, 1417-1433.e7.	2.9	49
25	Global, distinctive, and personal changes in molecular and microbial profiles by specific fibers in humans. <i>Cell Host and Microbe</i> , 2022, 30, 848-862.e7.	5.1	48
26	Multimic immune clockworks of pregnancy. <i>Seminars in Immunopathology</i> , 2020, 42, 397-412.	2.8	47
27	Ultra-High Performance Liquid Chromatography-Mass Spectrometry for the Fast Profiling of Histone Post-Translational Modifications. <i>Journal of Proteome Research</i> , 2010, 9, 5501-5509.	1.8	43
28	Cross-Laboratory Standardization of Preclinical Lipidomics Using Differential Mobility Spectrometry and Multiple Reaction Monitoring. <i>Analytical Chemistry</i> , 2021, 93, 16369-16378.	3.2	40
29	Global metabolic profiling to model biological processes of aging in twins. <i>Aging Cell</i> , 2020, 19, e13073.	3.0	38
30	Profiling of ARDS pulmonary edema fluid identifies a metabolically distinct subset. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2017, 312, L703-L709.	1.3	36
31	Deep longitudinal multimomics profiling reveals two biological seasonal patterns in California. <i>Nature Communications</i> , 2020, 11, 4933.	5.8	36
32	Deacetylation of H4-K16Ac and heterochromatin assembly in senescence. <i>Epigenetics and Chromatin</i> , 2012, 5, 15.	1.8	35
33	Nat1 Deficiency Is Associated with Mitochondrial Dysfunction and Exercise Intolerance in Mice. <i>Cell Reports</i> , 2016, 17, 527-540.	2.9	35
34	ALDH1A3 Coordinates Metabolism With Gene Regulation in Pulmonary Arterial Hypertension. <i>Circulation</i> , 2021, 143, 2074-2090.	1.6	34
35	A scalable, secure, and interoperable platform for deep data-driven health management. <i>Nature Communications</i> , 2021, 12, 5757.	5.8	27
36	Can Metabolic Profiles Be Used as a Phenotypic Readout of the Genome to Enhance Precision Medicine?. <i>Clinical Chemistry</i> , 2016, 62, 676-678.	1.5	21

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37	Proteomic signatures predict preeclampsia in individual cohorts but not across cohorts â€“ implications for clinical biomarker studies. <i>Journal of Maternal-Fetal and Neonatal Medicine</i> , 2022, 35, 5621-5628.	0.7	20
38	Towards personalized medicine in maternal and child health: integrating biologic and social determinants. <i>Pediatric Research</i> , 2021, 89, 252-258.	1.1	19
39	metID: an R package for automatable compound annotation for LCâˆ™MS-based data. <i>Bioinformatics</i> , 2022, 38, 568-569.	1.8	15
40	Incremental value of diastolic stress test in identifying subclinical heart failure in patients with diabetes mellitus. <i>European Heart Journal Cardiovascular Imaging</i> , 2020, 21, 876-884.	0.5	12
41	Plasma Metabolites in Early Sepsis Identify Distinct Clusters Defined by Plasma Lipids. , 2021, 3, e0478.		10
42	Endogenous Retroviral Elements Generate Pathologic Neutrophils in Pulmonary Arterial Hypertension. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2022, 206, 1019-1034.	2.5	10
43	Robust identification of temporal biomarkers in longitudinal omics studies. <i>Bioinformatics</i> , 2022, 38, 3802-3811.	1.8	10
44	The Right Heart Network and Risk Stratification in Pulmonary Arterial Hypertension. <i>Chest</i> , 2022, 161, 1347-1359.	0.4	9
45	Impact of acute lymphoblastic leukemia induction therapy: findings from metabolomics on non-fasted plasma samples from a biorepository. <i>Metabolomics</i> , 2021, 17, 64.	1.4	7
46	Cross-Platform Evaluation of Commercially Targeted and Untargeted Metabolomics Approaches to Optimize the Investigation of Psychiatric Disease. <i>Metabolites</i> , 2021, 11, 609.	1.3	6
47	Peripheral Oxygen Extraction and Exercise Limitation in Asymptomatic Patients with Diabetes Mellitus. <i>American Journal of Cardiology</i> , 2021, 149, 132-139.	0.7	4
48	In-depth triacylglycerol profiling using MS3 Q-Trap mass spectrometry. <i>Analytica Chimica Acta</i> , 2021, 1184, 339023.	2.6	4
49	Prediction of gestational age using urinary metabolites in term and preterm pregnancies. <i>Scientific Reports</i> , 2022, 12, 8033.	1.6	4
50	H2B Type 1-K Accumulates in Senescent Fibroblasts with Persistent DNA Damage along with Methylated and Phosphorylated Forms of HMGA1. <i>Proteomes</i> , 2021, 9, 30.	1.7	3
51	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. <i>American Journal of Clinical Nutrition</i> , 2021, 114, 1655-1665.	2.2	3
52	Design and Methods of the Validating Injury to the Renal Transplant Using Urinary Signatures (VIRTUUS) Study in Children. <i>Transplantation Direct</i> , 2021, 7, e791.	0.8	3