

Supplementary Table S2. Top 20 authors distributed by publications in the field of exercise and metabolomics

Rank	First publication year	Author	publications	Institution
1	2013	PENG ZHENG	10	1.Department of Neurology, The First Affiliated Hospital of Chongqing Medical University. 2.Institute of Neuroscience and the Collaborative Innovation Center for Brain Science, Chongqing Medical University. 3. Chongqing Key Laboratory of Neurobiology.
2	2013	PENG XIE	10	1.Department of Neurology, The First Affiliated Hospital of Chongqing Medical University. 2.Institute of Neuroscience and the Collaborative Innovation Center for Brain Science, Chongqing Medical University. 3. Chongqing Key Laboratory of Neurobiology.
3	2015	HANS J VOGEL	8	1.North Carolina Research Campus, Appalachian State University.
4	2017	CLARY B CLISH	8	1.Broad Institute of MIT and Harvard University Cambridge.
5	2013	DAVID C NIEMAN	8	1.Human Performance Laboratory, Appalachian State University.
6	2014	OLIVER FIEHN	8	1.West Coast Metabolomics Center, University of California. 2.Biochemistry Department, King Abdulaziz University.
7	2019	LIMING LIANG	5	1.Department of Epidemiology, Harvard T.H. Chan School of Public Health. 2.Department of Biostatistics, Harvard T.H. Chan School of Public Health.
8	2016	JOSHUA N SAMPSON	5	1.Division of Cancer Epidemiology and Genetics, National Cancer Institute, NIH, Department of Health and Human Services.
9	2018	ROBERT E GERSZTEN	5	1.Beth Israel Deaconess Medical Center, Harvard Medical School.
10	2018	KARSTEN SUHRE	5	1.Weill Cornell Medicine- Qatar.
11	2013	R ANDREW SHANELY	5	1.Appalachian State University, Human Performance Lab, North Carolina Research Campus

12	2019	JOANN E MANSON	5	1.Division of Preventive Medicine, Department of Medicine, Brigham and Women' s Hospital. 2.Harvard Medical School, Boston, MA, USA; 3Department of Biostatistics and Epidemiology, School of Public Health and Health Sciences, University of Massachusetts. 3.Department of Nutrition, Harvard TH Chan School of Public Health. 4.Department of Epidemiology, Harvard TH Chan School of Public Health.
13	2018	FRANCESCO DONATI	4	1.Laboratorio Antidoping, Federazione Medico Sportiva Italiana.
14	2014	RICHARD WILSON	4	1.Central Science Laboratory, University of Tasmania.
15	2016	STEVEN C MOORE	4	1.Nutritional Epidemiology Branch, Division of Cancer Epidemiology and Genetics, National Cancer Institute, National Institutes of Health. 1.Division of Preventive Medicine, Department of Medicine, Brigham and Women' s Hospital.
16	2019	KATHRYN M REXRODE	4	2.Harvard Medical School, Boston, MA, USA; 3Department of Biostatistics and Epidemiology, School of Public Health and Health Sciences, University of Massachusetts. 3.Division of Women' s Health, Department of Medicine, Brigham and Women' s Hospital.
17	2018	COSTAS GEORGAKOPOU LOS	4	1.Anti Doping Laboratory Qatar, Sports City.
18	2017	LAURENCE LE MOYEC	4	1. UBIAE EA 7362, Université Evry, Université Paris-Saclay.
19	2015	WILLIAM E KRAUS	4	1.Duke University.
20	2013	YING WANG	4	1.Department of Neurology, The First Affiliated Hospital of Chongqing Medical University. 2.Institute of Neuroscience and the Collaborative Innovation Center for Brain Science, Chongqing Medical University. 3. Chongqing Key Laboratory of Neurobiology.

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