Dean P Jones

List of Publications by Year in Descending Order

447 papers	34,865 citations	87 h-index	175 g-index
482 ext. papers	40,163 ext. citations	6.2 avg, IF	7.93 L-index

#	Paper	IF	Citations
447	High-resolution metabolomics of exposure to tobacco smoke during pregnancy and adverse birth outcomes in the Atlanta African American maternal-child cohort. *Environmental Pollution*, **2022**, 292, 118361	9.3	3
446	Child serum metabolome and traffic-related air pollution exposure in pregnancy. *Environmental Research*, **2022**, 203, 111907	7.9	2
445	Metabolic effects of the schizophrenia-associated 3q29 deletion.. *Translational Psychiatry*, **2022**, 12, 66	8.6	0
444	Defining roles of specific reactive oxygen species (ROS) in cell biology and physiology.. *Nature Reviews Molecular Cell Biology*, **2022**,	48.7	42
443	Integrative interactomics applied to bovine fescue toxicosis.. *Scientific Reports*, **2022**, 12, 4899	4.9	0
442	Non-targeted metabolomics and associations with per- and polyfluoroalkyl substances (PFAS) exposure in humans: A scoping review.. *Environment International*, **2022**, 162, 107159	12.9	2
441	Plasma concentrations of lipophilic persistent organic pollutants and glucose homeostasis in youth populations.. *Environmental Research*, **2022**, 212, 113296	7.9	1
440	Multiomics Analysis of Structural Magnetic Resonance Imaging of the Brain and Cerebrospinal Fluid Metabolomics in Cognitively Normal and Impaired Adults.. *Frontiers in Aging Neuroscience*, **2021**, 13, 796067	5.3	0
439	Microbial metabolite delta-valerobetaine is a diet-dependent obesogen.. *Nature Metabolism*, **2021**, 3, 1694-1705	14.6	7
438	Assessment of metabolic perturbations associated with exposure to phthalates among pregnant African American women. *Science of the Total Environment*, **2021**, 151689	10.2	0
437	High-Resolution Exposomics and Metabolomics Reveals Specific Associations in Cholestatic Liver Diseases. *Hepatology Communications*, **2021**,	6	1
436	Lung metabolome of 1,3-butadiene exposed Collaborative Cross mice reflects metabolic phenotype of human lung cancer. *Toxicology*, **2021**, 463, 152987	4.4	2
435	Per- and polyfluoroalkyl substance (PFAS) exposure, maternal metabolomic perturbation, and fetal growth in African American women: A meet-in-the-middle approach. *Environment International*, **2021**, 158, 106964	12.9	8
434	Integrated molecular response of exposure to traffic-related pollutants in the US trucking industry. *Environment International*, **2021**, 158, 106957	12.9	1
433	High-Resolution Metabolomic Assessment of Pesticide Exposure in Central Valley, California. *Chemical Research in Toxicology*, **2021**, 34, 1337-1347	4	2
432	Firsthand and Secondhand Exposure Levels of Maltol-Flavored Electronic Nicotine Delivery System Vapors Disrupt Amino Acid Metabolism. *Toxicological Sciences*, **2021**, 182, 70-81	4.4	1
431	Metabolomics analysis of maternal serum exposed to high air pollution during pregnancy and risk of autism spectrum disorder in offspring. *Environmental Research*, **2021**, 196, 110823	7.9	1

430	Metabolomic Profiling Demonstrates Postprandial Changes in Fatty Acids and Glycerophospholipids Are Associated with Fasting Inflammation in Guatemalan Adults. *Journal of Nutrition*, **2021**, 151, 2564-2573	4.1	2
429	AMPK-deficiency forces metformin-challenged cancer cells to switch from carbohydrate metabolism to ketogenesis to support energy metabolism. *Oncogene*, **2021**, 40, 5455-5467	9.2	4
428	Plasma high-resolution metabolomics identifies linoleic acid and linked metabolic pathways associated with bone mineral density. *Clinical Nutrition*, **2021**, 40, 467-475	5.9	6
427	Environmental chemicals and metabolic disruption in primary and secondary human parathyroid tumors. *Surgery*, **2021**, 169, 102-108	3.6	1
426	Application of high-resolution metabolomics to identify biological pathways perturbed by traffic-related air pollution. *Environmental Research*, **2021**, 193, 110506	7.9	16
425	Distribution of phytochelatins, metal-binding compounds, in plant foods: A survey of commonly consumed fruits, vegetables, grains and legumes. *Food Chemistry*, **2021**, 339, 128051	8.5	5
424	Metabolome-wide association study of occupational exposure to benzene. *Carcinogenesis*, **2021**, 42, 1326-1336	4.6	2
423	Cruciferous vegetables () confer cytoprotective effects in intestines. *Gut Microbes*, **2021**, 13, 1-6	8.8	1
422	Metabolome-wide association study of flavorant vanillin exposure in bronchial epithelial cells reveals disease-related perturbations in metabolism. *Environment International*, **2021**, 147, 106323	12.9	5
421	Genetic or Toxicant-Induced Disruption of Vesicular Monoamine Storage and Global Metabolic Profiling in Caenorhabditis elegans. *Toxicological Sciences*, **2021**, 180, 313-324	4.4	2
420	Plant food intake is associated with lower cadmium body burden in middle-aged adults. *European Journal of Nutrition*, **2021**, 60, 3365-3374	5.2	0
419	Plasma high-resolution metabolomic phenotyping of lean mass in a United States adult cohort. *Journal of Parenteral and Enteral Nutrition*, **2021**, 45, 1635-1644	4.2	0
418	Plasma Metabolic Phenotypes of HPV-Associated versus Smoking-Associated Head and Neck Cancer and Patient Survival. *Cancer Epidemiology Biomarkers and Prevention*, **2021**, 30, 1858-1866	4	
417	A scalable workflow to characterize the human exposome. *Nature Communications*, **2021**, 12, 5575	17.4	6
416	TCA cycle remodeling drives proinflammatory signaling in humans with pulmonary tuberculosis. *PLoS Pathogens*, **2021**, 17, e1009941	7.6	1
415	Infant Metabolome in Relation to Prenatal DHA Supplementation and Maternal Single-Nucleotide Polymorphism rs174602: Secondary Analysis of a Randomized Controlled Trial in Mexico. *Journal of Nutrition*, **2021**, 151, 3339-3349	4.1	1
414	Exposure to Perfluoroalkyl Substances and Glucose Homeostasis in Youth. *Environmental Health Perspectives*, **2021**, 129, 97002	8.4	3
413	Large scale enzyme based xenobiotic identification for exposomics. *Nature Communications*, **2021**, 12, 5418	17.4	4

412	Metabolomics as a Truly Translational Tool for Precision Medicine. *International Journal of Toxicology*, **2021**, 40, 413-426	2.4	4
411	Periconception air pollution, metabolomic biomarkers, and fertility among women undergoing assisted reproduction. *Environment International*, **2021**, 155, 106666	12.9	8
410	An atlas of metallome and metabolome interactions and associations with incident diabetes in the Strong Heart Family Study. *Environment International*, **2021**, 157, 106810	12.9	3
409	Clinical recovery of Macaca fascicularis infected with Plasmodium knowlesi.. *Malaria Journal*, **2021**, 20, 486	3.6	1
408	Differences in plasma metabolites related to Alzheimer's disease, APOE4 status, and ethnicity. *Alzheimer's and Dementia: Translational Research and Clinical Interventions*, **2020**, 6, e12025	6	2
407	Oxidative Stress Is Associated With Diastolic Dysfunction in Women With Ischemia With No Obstructive Coronary Artery Disease. *Journal of the American Heart Association*, **2020**, 9, e015602	6	5
406	Reference Standardization for Quantification and Harmonization of Large-Scale Metabolomics. *Analytical Chemistry*, **2020**, 92, 8836-8844	7.8	44
405	Untargeted Metabolomics Screen of Mid-pregnancy Maternal Serum and Autism in Offspring. *Autism Research*, **2020**, 13, 1258-1269	5.1	5
404	N8-Acetylspermidine: A Polyamine Biomarker in Ischemic Cardiomyopathy With Reduced Ejection Fraction. *Journal of the American Heart Association*, **2020**, 9, e016055	6	4
403	Early Pregnancy Serum Metabolite Profiles Associated with Hypertensive Disorders of Pregnancy in African American Women: A Pilot Study. *Journal of Pregnancy*, **2020**, 2020, 1515321	2.5	4
402	A vision for exposome epidemiology: The pregnancy exposome in relation to breast cancer in the Child Health and Development Studies. *Reproductive Toxicology*, **2020**, 92, 4-10	3.4	2
401	Reactive oxygen species (ROS) as pleiotropic physiological signalling agents. *Nature Reviews Molecular Cell Biology*, **2020**, 21, 363-383	48.7	905
400	Macronutrient, Energy, and Bile Acid Metabolism Pathways Altered Following a Physiological Meal Challenge, Relative to Fasting, among Guatemalan Adults. *Journal of Nutrition*, **2020**, 150, 2031-2040	4.1	1
399	Metabolites and metabolic pathways associated with glucocorticoid resistance in pregnant African-American women. *Comprehensive Psychoneuroendocrinology*, **2020**, 1-2, 100001-100001	1.1	3
398	Reductive Stress Causes Pathological Cardiac Remodeling and Diastolic Dysfunction. *Antioxidants and Redox Signaling*, **2020**, 32, 1293-1312	8.4	11
397	Toxic tall fescue grazing increases susceptibility of the Angus steer fecal microbiota and plasma/urine metabolome to environmental effects. *Scientific Reports*, **2020**, 10, 2497	4.9	6
396	Reprint of "Metabolome Wide Association Study of Serum Poly and Perfluoroalkyl Substances (PFASs) in Pregnancy and Early Postpartum". *Reproductive Toxicology*, **2020**, 92, 120-128	3.4	3
395	Gut-Resident Lactobacilli Activate Hepatic Nrf2 and Protect Against Oxidative Liver Injury. *Cell Metabolism*, **2020**, 31, 956-968.e5	24.6	54

394	Tryptophan catabolism reflects disease activity in human tuberculosis. *JCI Insight*, **2020**, 5,	9.9	19
393	Metabolomic Profiling After a Meal Shows Greater Changes and Lower Metabolic Flexibility in Cardiometabolic Diseases. *Journal of the Endocrine Society*, **2020**, 4, bvaa127	0.4	3
392	Plasma acylcarnitine levels increase with healthy aging. *Aging*, **2020**, 12, 13555-13570	5.6	6
391	Unsupervised dimensionality reduction for exposome research. *Current Opinion in Environmental Science and Health*, **2020**, 15, 32-38	8.1	8
390	The Redox Theory of Development. *Antioxidants and Redox Signaling*, **2020**, 32, 715-740	8.4	18
389	Omics Integration for Mitochondria Systems Biology. *Antioxidants and Redox Signaling*, **2020**, 32, 853-872	8.4	10
388	High-resolution metabolomic profiling of Alzheimer's disease in plasma. *Annals of Clinical and Translational Neurology*, **2020**, 7, 36-45	5.3	24
387	Perfluoroalkyl substances and severity of nonalcoholic fatty liver in Children: An untargeted metabolomics approach. *Environment International*, **2020**, 134, 105220	12.9	48
386	Tryptophan metabolism is differently regulated between large and small dogs. *GeroScience*, **2020**, 42, 881-896	8.9	7
385	Mechanisms integrating lifelong exposure and health **2020**, 405-426		
384	Dysregulated lipid and fatty acid metabolism link perfluoroalkyl substances exposure and impaired glucose metabolism in young adults. *Environment International*, **2020**, 145, 106091	12.9	27
383	Metabolomic Associations with Serum Bone Turnover Markers. *Nutrients*, **2020**, 12,	6.7	4
382	Environmental chemical burden in metabolic tissues and systemic biological pathways in adolescent bariatric surgery patients: A pilot untargeted metabolomic approach. *Environment International*, **2020**, 143, 105957	12.9	11
381	Metabolomics Analysis of Aspirin's Effects in Human Colon Tissue and Associations with Adenoma Risk. *Cancer Prevention Research*, **2020**, 13, 863-876	3.2	1
380	Sampling interstitial fluid from human skin using a microneedle patch. *Science Translational Medicine*, **2020**, 12,	17.5	49
379	Air Pollution and Adverse Pregnancy and Birth Outcomes: Mediation Analysis Using Metabolomic Profiles. *Current Environmental Health Reports*, **2020**, 7, 231-242	6.5	10
378	MTOR-initiated metabolic switch and degeneration in the retinal pigment epithelium. *FASEB Journal*, **2020**, 34, 12502-12520	0.9	7
377	Hepatic fat is a stronger correlate of key clinical and molecular abnormalities than visceral and abdominal subcutaneous fat in youth. *BMJ Open Diabetes Research and Care*, **2020**, 8,	4.5	4

376	Untargeted metabolomics reveal dysregulations in sugar, methionine, and tyrosine pathways in the prodromal state of AD. *Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring*, **2020**, 12, e12064	5.2	7
375	Physical Fitness but Not Diet Quality Distinguishes Lean and Normal Weight Obese Adults. *Journal of the Academy of Nutrition and Dietetics*, **2020**, 120, 1963-1973.e2	3.9	5
374	Addressing the batch effect issue for LC/MS metabolomics data in data preprocessing. *Scientific Reports*, **2020**, 10, 13856	4.9	9
373	Untargeted high-resolution plasma metabolomic profiling predicts outcomes in patients with coronary artery disease. *PLoS ONE*, **2020**, 15, e0237579	3.7	8
372	Metabolome Wide Association Study of serum DDT and DDE in Pregnancy and Early Postpartum. *Reproductive Toxicology*, **2020**, 92, 129-137	3.4	13
371	Role of heat shock protein and cytokine expression as markers of clinical outcomes with glutamine-supplemented parenteral nutrition in surgical ICU patients. *Clinical Nutrition*, **2020**, 39, 563-573	5.9	2
370	Regulating colonic dendritic cells by commensal glycosylated large surface layer protein A to sustain gut homeostasis against pathogenic inflammation. *Mucosal Immunology*, **2020**, 13, 34-46	9.2	5
369	Understanding mixed environmental exposures using metabolomics via a hierarchical community network model in a cohort of California women in 1960. *Reproductive Toxicology*, **2020**, 92, 57-65	3.4	14
368	A precision medicine approach to defining the impact of doxorubicin on the bioenergetic-metabolite interactome in human platelets. *Redox Biology*, **2020**, 28, 101311	11.3	5
367	Reductive stress impairs myogenic differentiation. *Redox Biology*, **2020**, 34, 101492	11.3	18
366	Metabolic perturbations in classic galactosemia beyond the Leloir pathway: Insights from an untargeted metabolomic study. *Journal of Inherited Metabolic Disease*, **2019**, 42, 254-263	5.4	5
365	Metabolomic Responses to Manganese Dose in SH-SY5Y Human Neuroblastoma Cells. *Toxicological Sciences*, **2019**, 169, 84-94	4.4	7
364	Metabolome Wide Association Study of Serum Poly and Perfluoroalkyl Substances (PFASs) in Pregnancy and Early Postpartum. *Reproductive Toxicology*, **2019**, 87, 70-78	3.4	11
363	Cyclic O exposure synergizes with aging leading to memory impairment in male APOE ε3, but not APOE ε4, targeted replacement mice. *Neurobiology of Aging*, **2019**, 81, 9-21	5.6	8
362	Metabolomics of childhood exposure to perfluoroalkyl substances: a cross-sectional study. *Metabolomics*, **2019**, 15, 95	4.7	28
361	Maternal serum metabolome and traffic-related air pollution exposure in pregnancy. *Environment International*, **2019**, 130, 104872	12.9	37
360	Response of Beef Cattle Fecal Microbiota to Grazing on Toxic Tall Fescue. *Applied and Environmental Microbiology*, **2019**, 85,	4.8	10
359	Environmental Cadmium Enhances Lung Injury by Respiratory Syncytial Virus Infection. *American Journal of Pathology*, **2019**, 189, 1513-1525	5.8	12

358	Enhanced Keap1-Nrf2 signaling protects the myocardium from isoproterenol-induced pathological remodeling in mice. *Redox Biology*, **2019**, 27, 101212	11.3	32
357	Low-dose cadmium potentiates lung inflammatory response to 2009 pandemic H1N1 influenza virus in mice. *Environment International*, **2019**, 127, 720-729	12.9	13
356	Alterations in immune and renal biomarkers among workers occupationally exposed to low levels of trichloroethylene below current regulatory standards. *Occupational and Environmental Medicine*, **2019**, 76, 376-381	2.1	4
355	The Metabolome: a Key Measure for Exposome Research in Epidemiology. *Current Epidemiology Reports*, **2019**, 6, 93-103	2.9	29
354	Perfluoroalkyl substances, metabolomic profiling, and alterations in glucose homeostasis among overweight and obese Hispanic children: A proof-of-concept analysis. *Environment International*, **2019**, 126, 445-453	12.9	54
353	Mitochondria in precision medicine; linking bioenergetics and metabolomics in platelets. *Redox Biology*, **2019**, 22, 101165	11.3	19
352	A biplot correlation range for group-wise metabolite selection in mass spectrometry. *BioData Mining*, **2019**, 12, 4	4.3	1
351	Perturbations of the arginine metabolome following exposures to traffic-related air pollution in a panel of commuters with and without asthma. *Environment International*, **2019**, 127, 503-513	12.9	48
350	Networks at the nexus of systems biology and the exposome. *Current Opinion in Toxicology*, **2019**, 16, 25-31	4.4	9
349	Redox Systems Biology of Nutrition and Oxidative Stress. *Journal of Nutrition*, **2019**, 149, 553-565	4.1	27
348	The Effects of Graded Levels of Calorie Restriction: XIII. Global Metabolomics Screen Reveals Graded Changes in Circulating Amino Acids, Vitamins, and Bile Acids in the Plasma of C57BL/6 Mice. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, **2019**, 74, 16-26	6.4	6
347	The Exposome: Molecules to Populations. *Annual Review of Pharmacology and Toxicology*, **2019**, 59, 107-127	17.9	92
346	Distinct amino acid and lipid perturbations characterize acute versus chronic malaria. *JCI Insight*, **2019**, 4,	9.9	23
345	Development of a Plasma Screening Panel for Pediatric Nonalcoholic Fatty Liver Disease Using Metabolomics. *Hepatology Communications*, **2019**, 3, 1311-1321	6	17
344	Transcriptome Analysis Reveals Distinct Responses to Physiologic Toxic Manganese Exposure in Human Neuroblastoma Cells. *Frontiers in Genetics*, **2019**, 10, 676	4.5	9
343	Arginine and Carnitine Metabolites Are Altered in Diabetic Retinopathy **2019**, 60, 3119-3126		27
342	A non-lethal malarial infection results in reduced drug metabolizing enzyme expression and drug clearance in mice. *Malaria Journal*, **2019**, 18, 234	3.6	4
341	Phytochelatin database: a resource for phytochelatin complexes of nutritional and environmental metals. *Database: the Journal of Biological Databases and Curation*, **2019**, 2019,	5	10

340	Plasma High-Resolution Metabolomics Differentiates Adults with Normal Weight Obesity from Lean Individuals. *Obesity*, **2019**, 27, 1729-1737	8	20
339	The metabolome: A key measure for exposome research in epidemiology. *Current Epidemiology Reports*, **2019**, 6, 93-103	2.9	12
338	Chronic Reductive Stress Impairs Endoplasmic Reticulum Function and Cause Proteotoxic Cardiac Disease. *FASEB Journal*, **2019**, 33, 532.18	0.9	
337	Discovery of metabolic alterations in the serum of patients infected with Plasmodium spp. by high-resolution metabolomics. *Metabolomics*, **2019**, 16, 9	4.7	5
336	Targeting soluble tumor necrosis factor as a potential intervention to lower risk for late-onset Alzheimer's disease associated with obesity, metabolic syndrome, and type 2 diabetes. *Alzheimer's Research and Therapy*, **2019**, 12, 1	9	39
335	Multigenerational metabolic profiling in the Michigan PBB registry. *Environmental Research*, **2019**, 172, 182-193	7.9	9
334	Analysis of Postdeployment Serum Samples Identifies Potential Biomarkers of Exposure to Burn Pits and Other Environmental Hazards. *Journal of Occupational and Environmental Medicine*, **2019**, 61 Suppl 12, S45-S54	2	2
333	Metabolomics of Aerobic Exercise in Chronic Stroke Survivors: A Pilot Study. *Journal of Stroke and Cerebrovascular Diseases*, **2019**, 28, 104453	2.8	5
332	Environmental Chemicals Altered in Association With Deployment for High Risk Areas. *Journal of Occupational and Environmental Medicine*, **2019**, 61 Suppl 12, S15-S24	2	3
331	Advances in Comprehensive Exposure Assessment: Opportunities for the US Military. *Journal of Occupational and Environmental Medicine*, **2019**, 61 Suppl 12, S5-S14	2	3
330	Metabolome-Wide Association Study of Deployment to Balad, Iraq or Bagram, Afghanistan. *Journal of Occupational and Environmental Medicine*, **2019**, 61 Suppl 12, S25-S34	2	5
329	Associations of Benzo(ghi)perylene and Heptachlorodibenzo-p-dioxin in Serum of Service Personnel Deployed to Balad, Iraq, and Bagram, Afghanistan Correlates With Perturbed Amino Acid Metabolism in Human Lung Fibroblasts. *Journal of Occupational and Environmental Medicine*, **2019**, 61 Suppl 12, S35-S44	2	4
328	Benzo[a]pyrene Perturbs Mitochondrial and Amino Acid Metabolism in Lung Epithelial Cells and Has Similar Correlations With Metabolic Changes in Human Serum. *Journal of Occupational and Environmental Medicine*, **2019**, 61 Suppl 12, S73-S81	2	7
327	The metabolome as a biomarker of mortality risk in the common marmoset. *American Journal of Primatology*, **2019**, 81, e22944	2.5	4
326	Symptom Science Research in the Era of Big Data: Leveraging Interdisciplinary Resources and Partners to Make It Happen. *Journal of Nursing Scholarship*, **2019**, 51, 4-8	3.6	3
325	Proteomic analysis of microbial induced redox-dependent intestinal signaling. *Redox Biology*, **2019**, 20, 526-532	11.3	14
324	Neonatal intestinal immune regulation by the commensal bacterium, P. UF1. *Mucosal Immunology*, **2019**, 12, 434-444	9.2	12
323	Low-dose cadmium disrupts mitochondrial citric acid cycle and lipid metabolism in mouse lung. *Free Radical Biology and Medicine*, **2019**, 131, 209-217	7.8	26

322	Metabolome-wide association study of anti-epileptic drug treatment during pregnancy. *Toxicology and Applied Pharmacology*, **2019**, 363, 122-130	4.6	23
321	Metabolomic assessment of exposure to near-highway ultrafine particles. *Journal of Exposure Science and Environmental Epidemiology*, **2019**, 29, 469-483	6.7	46
320	The Mitochondrial Exposome **2018**, 613-637		
319	Higher Mediterranean Diet Quality Scores and Lower Body Mass Index Are Associated with a Less-Oxidized Plasma Glutathione and Cysteine Redox Status in Adults. *Journal of Nutrition*, **2018**, 148, 245-253	4.1	15
318	Central Mitochondrial Signaling Mechanisms in Response to Environmental Agents **2018**, 639-654		1
317	Putrescine as indicator of manganese neurotoxicity: Dose-response study in human SH-SY5Y cells. *Food and Chemical Toxicology*, **2018**, 116, 272-280	4.7	9
316	Integrative metabolomics and transcriptomics signatures of clinical tolerance to Plasmodium vivax reveal activation of innate cell immunity and T cell signaling. *Redox Biology*, **2018**, 17, 158-170	11.3	43
315	Selenium supplementation prevents metabolic and transcriptomic responses to cadmium in mouse lung. *Biochimica Et Biophysica Acta - General Subjects*, **2018**, 1862, 2417-2426	4	13
314	Human Suction Blister Fluid Composition Determined Using High-Resolution Metabolomics. *Analytical Chemistry*, **2018**, 90, 3786-3792	7.8	39
313	Mitochondrial network responses in oxidative physiology and disease. *Free Radical Biology and Medicine*, **2018**, 116, 31-40	7.8	31
312	Selenium Supplementation Alters Hepatic Energy and Fatty Acid Metabolism in Mice. *Journal of Nutrition*, **2018**, 148, 675-684	4.1	30
311	Untargeted metabolomics reveals multiple metabolites influencing smoking-related DNA methylation. *Epigenomics*, **2018**, 10, 379-393	4.4	16
310	xMWAS: a data-driven integration and differential network analysis tool. *Bioinformatics*, **2018**, 34, 701-702	7.2	77
309	Oxidative stress predicts cognitive decline with aging in healthy adults: an observational study. *Journal of Neuroinflammation*, **2018**, 15, 17	10.1	61
308	Determination of thiocyanate in exhaled breath condensate. *Free Radical Biology and Medicine*, **2018**, 126, 334-340	7.8	7
307	Use of high-resolution metabolomics for the identification of metabolic signals associated with traffic-related air pollution. *Environment International*, **2018**, 120, 145-154	12.9	67
306	Selenium at the redox interface of the genome, metabolome and exposome. *Free Radical Biology and Medicine*, **2018**, 127, 215-227	7.8	27
305	High-resolution plasma metabolomics analysis to detect Mycobacterium tuberculosis-associated metabolites that distinguish active pulmonary tuberculosis in humans. *PLoS ONE*, **2018**, 13, e0205398	3.7	24

304	The Carnitine Shuttle Pathway is Altered in Patients With Neovascular Age-Related Macular Degeneration **2018**, 59, 4978-4985		21
303	Particulate metal exposures induce plasma metabolome changes in a commuter panel study. *PLoS ONE*, **2018**, 13, e0203468	3.7	28
302	Myeloperoxidase oxidation of methionine associates with early cystic fibrosis lung disease. *European Respiratory Journal*, **2018**, 52,	13.6	20
301	Pilot randomized controlled trial of a Mediterranean diet or diet supplemented with fish oil, walnuts, and grape juice in overweight or obese US adults. *BMC Nutrition*, **2018**, 4, 26	2.5	9
300	Redox Equivalents and Mitochondrial Bioenergetics. *Methods in Molecular Biology*, **2018**, 1782, 197-227	1.4	3
299	Plasma metabolomics in adults with cystic fibrosis during a pulmonary exacerbation: A pilot randomized study of high-dose vitamin D administration. *Metabolism: Clinical and Experimental*, **2017**, 70, 31-41	12.7	30
298	Redox dynamics of manganese as a mitochondrial life-death switch. *Biochemical and Biophysical Research Communications*, **2017**, 482, 388-398	3.4	75
297	Metabolomics of fescue toxicosis in grazing beef steers. *Food and Chemical Toxicology*, **2017**, 105, 285-299	4.7	11
296	Metabolic Phenotypes of Response to Vaccination in Humans. *Cell*, **2017**, 169, 862-877.e17	56.2	157
295	Oxidative Stress. *Annual Review of Biochemistry*, **2017**, 86, 715-748	29.1	1332
294	Cadmium stimulates myofibroblast differentiation and mouse lung fibrosis. *Toxicology*, **2017**, 383, 50-56	4.4	25
293	xMSannotator: An R Package for Network-Based Annotation of High-Resolution Metabolomics Data. *Analytical Chemistry*, **2017**, 89, 1063-1067	7.8	155
292	Plasma metabolomics reveals membrane lipids, aspartate/asparagine and nucleotide metabolism pathway differences associated with chloroquine resistance in Plasmodium vivax malaria. *PLoS ONE* , **2017**, 12, e0182819	3.7	17
291	Metabolomic profiles of plasma, exhaled breath condensate, and saliva are correlated with potential for air toxics detection. *Journal of Breath Research*, **2017**, 12, 016008	3.1	24
290	Metabolome-wide association study of peripheral parasitemia in Plasmodium vivax malaria. *International Journal of Medical Microbiology*, **2017**, 307, 533-541	3.7	22
289	Association between oxidative stress and atrial fibrillation. *Heart Rhythm*, **2017**, 14, 1849-1855	6.7	56
288	Low-level maternal exposure to nicotine associates with significant metabolic perturbations in second-trimester amniotic fluid. *Environment International*, **2017**, 107, 227-234	12.9	12
287	Redox theory of aging: implications for health and disease. *Clinical Science*, **2017**, 131, 1669-1688	6.5	92

286	From the Cover: Manganese Stimulates Mitochondrial H2O2 Production in SH-SY5Y Human Neuroblastoma Cells Over Physiologic as well as Toxicologic Range. *Toxicological Sciences*, **2017**, 155, 213-223	4.4	29
285	Chronic psychological stress and high-fat high-fructose diet disrupt metabolic and inflammatory gene networks in the brain, liver, and gut and promote behavioral deficits in mice. *Brain, Behavior, and Immunity*, **2017**, 59, 158-172	16.6	53
284	High-resolution metabolomics to identify urine biomarkers in corticosteroid-resistant asthmatic children. *Journal of Allergy and Clinical Immunology*, **2017**, 139, 1518-1524.e4	11.5	29
283	Commensal Propionibacterium strain UF1 mitigates intestinal inflammation via Th17 cell regulation. *Journal of Clinical Investigation*, **2017**, 127, 3970-3986	15.9	42
282	Computational Metabolomics: A Framework for the Million Metabolome. *Chemical Research in Toxicology*, **2016**, 29, 1956-1975	4	130
281	Nuclear Thioredoxin-1 Overexpression Attenuates Alcohol-Mediated Nrf2 Signaling and Lung Fibrosis. *Alcoholism: Clinical and Experimental Research*, **2016**, 40, 1846-56	3.7	9
280	Inhibition of ileal bile acid uptake protects against nonalcoholic fatty liver disease in high-fat diet-fed mice. *Science Translational Medicine*, **2016**, 8, 357ra122	17.5	106
279	The Exposome: A New Frontier for Education. *American Biology Teacher*, **2016**, 78, 542-548	0.3	12
278	High-Resolution Metabolomics for Nutrition and Health Assessment of Armed Forces Personnel. *Journal of Occupational and Environmental Medicine*, **2016**, 58, S80-8	2	32
277	Metabolic Pathways and Networks Associated With Tobacco Use in Military Personnel. *Journal of Occupational and Environmental Medicine*, **2016**, 58, S111-6	2	21
276	Deployment-Associated Exposure Surveillance With High-Resolution Metabolomics. *Journal of Occupational and Environmental Medicine*, **2016**, 58, S12-21	2	30
275	Pilot Metabolome-Wide Association Study of Benzo(a)pyrene in Serum From Military Personnel. *Journal of Occupational and Environmental Medicine*, **2016**, 58, S44-52	2	26
274	High-Resolution Metabolomics Assessment of Military Personnel: Evaluating Analytical Strategies for Chemical Detection. *Journal of Occupational and Environmental Medicine*, **2016**, 58, S53-61	2	39
273	Introduction to Department of Defense Research on Burn Pits, Biomarkers, and Health Outcomes Related to Deployment in Iraq and Afghanistan. *Journal of Occupational and Environmental Medicine*, **2016**, 58, S3-S11	2	19
272	Correlation of the lung microbiota with metabolic profiles in bronchoalveolar lavage fluid in HIV infection. *Microbiome*, **2016**, 4, 3	16.6	62
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