

Bruce S Levison

List of Publications by Year in descending order

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Version: 2024-02-01

33
papers

15,756
citations

279798

23
h-index

434195

31
g-index

33
all docs

33
docs citations

33
times ranked

14909
citing authors

#	ARTICLE	IF	CITATIONS
1	Gut flora metabolism of phosphatidylcholine promotes cardiovascular disease. <i>Nature</i> , 2011, 472, 57-63.	27.8	4,238
2	Intestinal microbiota metabolism of l-carnitine, a nutrient in red meat, promotes atherosclerosis. <i>Nature Medicine</i> , 2013, 19, 576-585.	30.7	3,355
3	Intestinal Microbial Metabolism of Phosphatidylcholine and Cardiovascular Risk. <i>New England Journal of Medicine</i> , 2013, 368, 1575-1584.	27.0	2,537
4	Non-lethal Inhibition of Gut Microbial Trimethylamine Production for the Treatment of Atherosclerosis. <i>Cell</i> , 2015, 163, 1585-1595.	28.9	974
5	Gut Microbiota-Dependent Trimethylamine N-Oxide (TMAO) Pathway Contributes to Both Development of Renal Insufficiency and Mortality Risk in Chronic Kidney Disease. <i>Circulation Research</i> , 2015, 116, 448-455.	4.5	898
6	Prognostic value of choline and betaine depends on intestinal microbiota-generated metabolite trimethylamine-N-oxide. <i>European Heart Journal</i> , 2014, 35, 904-910.	2.2	463
7	¹³ C-Butyrobetaine Is a Proatherogenic Intermediate in Gut Microbial Metabolism of L-Carnitine to TMAO. <i>Cell Metabolism</i> , 2014, 20, 799-812.	16.2	416
8	Transmission of Atherosclerosis Susceptibility with Gut Microbial Transplantation. <i>Journal of Biological Chemistry</i> , 2015, 290, 5647-5660.	3.4	400
9	Development of a gut microbe-targeted nonlethal therapeutic to inhibit thrombosis potential. <i>Nature Medicine</i> , 2018, 24, 1407-1417.	30.7	383
10	An abundant dysfunctional apolipoprotein A1 in human atheroma. <i>Nature Medicine</i> , 2014, 20, 193-203.	30.7	316
11	Impact of chronic dietary red meat, white meat, or non-meat protein on trimethylamine N-oxide metabolism and renal excretion in healthy men and women. <i>European Heart Journal</i> , 2019, 40, 583-594.	2.2	297
12	Measurement of trimethylamine-N-oxide by stable isotope dilution liquid chromatography tandem mass spectrometry. <i>Analytical Biochemistry</i> , 2014, 455, 35-40.	2.4	257
13	Myeloperoxidase, paraoxonase-1, and HDL form a functional ternary complex. <i>Journal of Clinical Investigation</i> , 2013, 123, 3815-3828.	8.2	226
14	l-Carnitine in omnivorous diets induces an atherogenic gut microbial pathway in humans. <i>Journal of Clinical Investigation</i> , 2018, 129, 373-387.	8.2	216
15	Effect of Vegan Fecal Microbiota Transplantation on Carnitine and Choline-Derived Trimethylamine N-Oxide Production and Vascular Inflammation in Patients With Metabolic Syndrome. <i>Journal of the American Heart Association</i> , 2018, 7, .	3.7	164
16	Alterations of the Arginine Metabolome in Asthma. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2008, 178, 673-681.	5.6	116
17	Differential effects of arginine methylation on diastolic dysfunction and disease progression in patients with chronic systolic heart failure. <i>European Heart Journal</i> , 2008, 29, 2506-2513.	2.2	103
18	Trimethyllysine, a trimethylamine N-oxide precursor, provides near- and long-term prognostic value in patients presenting with acute coronary syndromes. <i>European Heart Journal</i> , 2019, 40, 2700-2709.	2.2	79

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19	Quantification of fatty acid oxidation products using online high-performance liquid chromatography tandem mass spectrometry. <i>Free Radical Biology and Medicine</i> , 2013, 59, 2-13.	2.9	47
20	Identification of Critical Paraoxonase 1 Residues Involved in High Density Lipoprotein Interaction. <i>Journal of Biological Chemistry</i> , 2016, 291, 1890-1904.	3.4	32
21	Phospholipid Hydroxyalkenals, a Subset of Recently Discovered Endogenous CD36 Ligands, Spontaneously Generate Novel Furan-containing Phospholipids Lacking CD36 Binding Activity in Vivo. <i>Journal of Biological Chemistry</i> , 2006, 281, 31298-31308.	3.4	31
22	A simplified dehydrogenase enzyme assay in contaminated sediment using 2-(p-iodophenyl)-3-(p-nitrophenyl)-5-phenyl tetrazolium chloride. <i>Journal of Microbiological Methods</i> , 2003, 53, 411-415.	1.6	30
23	Myeloperoxidase-mediated protein lysine oxidation generates 2-aminoadipic acid and lysine nitrile in vivo. <i>Free Radical Biology and Medicine</i> , 2017, 104, 20-31.	2.9	28
24	Di-tert-butylmethylsilyl (DTBMS) trifluoromethanesulfonate. Preparation and synthetic applications of DTBMS esters and enol ethers. <i>Tetrahedron Letters</i> , 1986, 27, 671-674.	1.4	25
25	Quantification of Nitrotyrosine Levels Using a Benchtop Ion Trap Mass Spectrometry Method. <i>Methods in Enzymology</i> , 2005, 396, 245-266.	1.0	23
26	Recent findings within the microbiota–gut–brain–endocrine metabolic interactome. <i>Pathology and Laboratory Medicine International</i> , 0, Volume 9, 21-30.	0.2	20
27	Total synthesis of anhydro levuglândin D2. <i>Tetrahedron Letters</i> , 1984, 25, 4633-4636.	1.4	17
28	The Nutritional Supplement L-Alpha Glycerolphosphorylcholine Promotes Atherosclerosis. <i>International Journal of Molecular Sciences</i> , 2021, 22, 13477.	4.1	16
29	A Reexamination of the Substrate Utilization of 2-Thioorotidine-5â€²-monophosphate by Yeast Orotidine-5â€²-Monophosphate Decarboxylase. <i>Bioorganic Chemistry</i> , 2001, 29, 96-106.	4.1	15
30	Fecal Microbiome Composition Does Not Predict Dietâ€nduced TMAO Production in Healthy Adults. <i>Journal of the American Heart Association</i> , 2021, 10, e021934.	3.7	14
31	Site-specific 5-hydroxytryptophan incorporation into apolipoprotein A-I impairs cholesterol efflux activity and high-density lipoprotein biogenesis. <i>Journal of Biological Chemistry</i> , 2020, 295, 4836-4848.	3.4	13
32	Anhydrolevuglandin D2 inhibits the uterotonic activity of prostaglandins F2Î± and D2. <i>Prostaglandins</i> , 1988, 35, 115-122.	1.2	7
33	Abstract 18178: Cardiotoxic Steroid Lactone Ring Hydrolysis by Paraoxonases Attenuates Na/K ATPase Mediated Signaling. <i>Circulation</i> , 2015, 132, .	1.6	0