

# J Mark Brown

## List of Publications by Year in descending order

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Version: 2024-02-01

102  
papers

10,819  
citations

61984

43  
h-index

42399

92  
g-index

114  
all docs

114  
docs citations

114  
times ranked

13995  
citing authors

#	ARTICLE	IF	CITATIONS
1	Gut microbial trimethylamine is elevated in alcohol-associated hepatitis and contributes to ethanol-induced liver injury in mice. <i>ELife</i> , 2022, 11, .	6.0	21
2	Gut microbe-targeted choline trimethylamine lyase inhibition improves obesity via rewiring of host circadian rhythms. <i>ELife</i> , 2022, 11, .	6.0	27
3	Flavin-Containing Monooxygenase 3 (FMO3) Is Critical for Dioxin-Induced Reorganization of the Gut Microbiome and Host Insulin Sensitivity. <i>Metabolites</i> , 2022, 12, 364.	2.9	6
4	Excess Growth Hormone Alters the Male Mouse Gut Microbiome in an Age-dependent Manner. <i>Endocrinology</i> , 2022, 163, .	2.8	4
5	Membrane-bound O-acyltransferase 7 (MBOAT7)-driven phosphatidylinositol remodeling in advanced liver disease. <i>Journal of Lipid Research</i> , 2022, 63, 100234.	4.2	13
6	Metabolic effects of duodenojejunal bypass surgery in a rat model of type 1 diabetes. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2021, 35, 3104-3114.	2.4	1
7	Bile acids profile, histopathological indices and genetic variants for non-alcoholic fatty liver disease progression. <i>Metabolism: Clinical and Experimental</i> , 2021, 116, 154457.	3.4	62
8	Late-life intermittent fasting decreases aging-related frailty and increases renal hydrogen sulfide production in a sexually dimorphic manner. <i>GeroScience</i> , 2021, 43, 1527-1554.	4.6	22
9	A surgical method for continuous intraportal infusion of gut microbial metabolites in mice. <i>JCI Insight</i> , 2021, 6, .	5.0	6
10	Altered lipid metabolism marks glioblastoma stem and non-stem cells in separate tumor niches. <i>Acta Neuropathologica Communications</i> , 2021, 9, 101.	5.2	60
11	Severe consequences of a high-lipid diet include hydrogen sulfide dysfunction and enhanced aggression in glioblastoma. <i>Journal of Clinical Investigation</i> , 2021, 131, .	8.2	34
12	Hepatocyte activity of the cholesterol sensor smoothed regulates cholesterol and bile acid homeostasis in mice. <i>IScience</i> , 2021, 24, 103089.	4.1	2
13	A Single Human-Relevant Fast Food Meal Rapidly Reorganizes Metabolomic and Transcriptomic Signatures in a Gut Microbiota-Dependent Manner#. <i>Immunometabolism</i> , 2021, 3, .	1.6	3
14	Microbial Flavonoid Metabolism: A Cardiometabolic Disease Perspective. <i>Annual Review of Nutrition</i> , 2021, 41, 433-454.	10.1	16
15	The Gut Microbial Endocrine Organ in Type 2 Diabetes. <i>Endocrinology</i> , 2021, 162, .	2.8	29
16	Quantification of bile acids: a mass spectrometry platform for studying gut microbe connection to metabolic diseases. <i>Journal of Lipid Research</i> , 2020, 61, 159-177.	4.2	42
17	Uptake of high-density lipoprotein by scavenger receptor class B type 1 is associated with prostate cancer proliferation and tumor progression in mice. <i>Journal of Biological Chemistry</i> , 2020, 295, 8252-8261.	3.4	21
18	MBOAT7-driven phosphatidylinositol remodeling promotes the progression of clear cell renal carcinoma. <i>Molecular Metabolism</i> , 2020, 34, 136-145.	6.5	18

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19	Small molecule inhibition of gut microbial choline trimethylamine lyase activity alters host cholesterol and bile acid metabolism. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2020, 318, H1474-H1486.	3.2	48
20	Loss of HDAC6 alters gut microbiota and worsens obesity. <i>FASEB Journal</i> , 2019, 33, 1098-1109.	0.5	36
21	Effects of Lifestyle Intervention on Plasma Trimethylamine N-Oxide in Obese Adults. <i>Nutrients</i> , 2019, 11, 179.	4.1	42
22	Glioma Stem Cell-Specific Superenhancer Promotes Polyunsaturated Fatty-Acid Synthesis to Support EGFR Signaling. <i>Cancer Discovery</i> , 2019, 9, 1248-1267.	9.4	120
23	Genetic Deficiency of Flavin-Containing Monooxygenase 3 ( <i>Fmo3</i> ) Protects Against Thrombosis but Has Only a Minor Effect on Plasma Lipid Levels-Brief Report. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2019, 39, 1045-1054.	2.4	41
24	Obesity-linked suppression of membrane-bound O-acyltransferase 7 (MBOAT7) drives non-alcoholic fatty liver disease. <i>ELife</i> , 2019, 8, .	6.0	93
25	Regulation of Brown Adipose Tissue Function by HuR. <i>FASEB Journal</i> , 2019, 33, 834.17.	0.5	0
26	Microbial modulation of cardiovascular disease. <i>Nature Reviews Microbiology</i> , 2018, 16, 171-181.	28.6	301
27	Î <sup>7</sup> -5 Fatty Acid Desaturase <i>FADS1</i> Impacts Metabolic Disease by Balancing Proinflammatory and Proresolving Lipid Mediators. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2018, 38, 218-231.	2.4	81
28	Postprandial gut microbiota-driven choline metabolism links dietary cues to adipose tissue dysfunction. <i>Adipocyte</i> , 2018, 7, 49-56.	2.8	25
29	Re-examining the potential of targeting ABHD6 in multiple sclerosis: Efficacy of systemic and peripherally restricted inhibitors in experimental autoimmune encephalomyelitis. <i>Neuropharmacology</i> , 2018, 141, 181-191.	4.1	22
30	Deregulation of the endocannabinoid system and therapeutic potential of ABHD6 blockade in the cuprizone model of demyelination. <i>Biochemical Pharmacology</i> , 2018, 157, 189-201.	4.4	33
31	Development of a gut microbe-targeted nonlethal therapeutic to inhibit thrombosis potential. <i>Nature Medicine</i> , 2018, 24, 1407-1417.	30.7	383
32	Gamma-tocotrienol attenuates the aberrant lipid mediator production in NLRP3 inflammasome-stimulated macrophages. <i>Journal of Nutritional Biochemistry</i> , 2018, 58, 169-177.	4.2	18
33	EPRS is a critical mTORC1-S6K1 effector that influences adiposity in mice. <i>Nature</i> , 2017, 542, 357-361.	27.8	130
34	Targeting of microbe-derived metabolites to improve human health: The next frontier for drug discovery. <i>Journal of Biological Chemistry</i> , 2017, 292, 8560-8568.	3.4	88
35	Anacetrapib-driven triglyceride lowering explained: the fortuitous role of CETP in the intravascular catabolism of triglyceride-rich lipoproteins. <i>Journal of Lipid Research</i> , 2017, 58, 1031-1032.	4.2	2
36	Para-bile-osis Establishes a Role for Nonbiliary Macrophage to Feces Reverse Cholesterol Transport. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2017, 37, 738-739.	2.4	2

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37	The TMAO-Producing Enzyme Flavin-Containing Monooxygenase 3 Regulates Obesity and the Beiging of White Adipose Tissue. <i>Cell Reports</i> , 2017, 19, 2451-2461.	6.4	194
38	Modulation of the gut microbiota impacts nonalcoholic fatty liver disease: a potential role for bile acids. <i>Journal of Lipid Research</i> , 2017, 58, 1399-1416.	4.2	94
39	Alcoholic Liver Disease on the Rise: Interorgan Cross Talk Driving Liver Injury. <i>Alcoholism: Clinical and Experimental Research</i> , 2017, 41, 880-882.	2.4	14
40	The lipid droplet-associated protein perilipin 3 facilitates hepatitis C virus-driven hepatic steatosis. <i>Journal of Lipid Research</i> , 2017, 58, 420-432.	4.2	25
41	The retinol-binding protein receptor STRA6 regulates diurnal insulin responses. <i>Journal of Biological Chemistry</i> , 2017, 292, 15080-15093.	3.4	15
42	Critical roles for $\hat{\pm}/\hat{2}$ hydrolase domain 5 (ABHD5)/comparative gene identification-58 (CGI-58) at the lipid droplet interface and beyond. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2017, 1862, 1233-1241.	2.4	14
43	Akt3 inhibits adipogenesis and protects from diet-induced obesity via signaling pathway. <i>JCI Insight</i> , 2017, 2, .	5.0	31
44	Real life zombie apocalypse in New York City. <i>Science Translational Medicine</i> , 2017, 9, .	12.4	0
45	Regulation of Hepatic Triacylglycerol Metabolism by CGI-58 Does Not Require ATGL Co-activation. <i>Cell Reports</i> , 2016, 16, 939-949.	6.4	36
46	An in vivo multiplexed small-molecule screening platform. <i>Nature Methods</i> , 2016, 13, 883-889.	19.0	57
47	$\hat{\pm}/\hat{2}$ -Hydrolase Domain 6 Deletion Induces Adipose Browning and Prevents Obesity and Type 2 Diabetes. <i>Cell Reports</i> , 2016, 14, 2872-2888.	6.4	61
48	Sterol O-acyltransferase 2-Driven Cholesterol Esterification Opposes Liver X Receptor-5 Stimulated Fecal Neutral Sterol Loss. <i>Lipids</i> , 2016, 51, 151-157.	1.7	2
49	Gut Microbial Metabolite TMAO Enhances Platelet Hyperreactivity and Thrombosis Risk. <i>Cell</i> , 2016, 165, 111-124.	28.9	1,358
50	Eating to boost gut microbial diversity. <i>Science Translational Medicine</i> , 2016, 8, 369ec198.	12.4	1
51	Rhythm fuels the adipose tissue fire. <i>Science Translational Medicine</i> , 2016, 8, .	12.4	0
52	Abstract 227: The Role of Fatty Acid Desaturase 1 in Inflammation Initiation and Resolution in Atherosclerosis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2016, 36, .	2.4	0
53	Abstract 96: The Role of Flavin Monooxygenase 3 (FMO3) in Dietary Choline- and Cholesterol-Driven Atherosclerosis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2016, 36, .	2.4	0
54	The remnants of coronary heart disease. <i>Science Translational Medicine</i> , 2016, 8, .	12.4	1

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55	You are what your great grandmother ate. <i>Science Translational Medicine</i> , 2016, 8, .	12.4	0
56	From mouse to man? Not necessarily!. <i>Science Translational Medicine</i> , 2016, 8, .	12.4	0
57	No foie gras with apolipoprotein B inhibitors?. <i>Science Translational Medicine</i> , 2016, 8, .	12.4	1
58	Fat weighing down the insulin receptor. <i>Science Translational Medicine</i> , 2016, 8, .	12.4	0
59	Î±/Î² Hydrolase Domain-containing 6 (ABHD6) Degrades the Late Endosomal/Lysosomal Lipid Bis(monoacylglycero)phosphate. <i>Journal of Biological Chemistry</i> , 2015, 290, 29869-29881.	3.4	37
60	Emerging roles of flavin monooxygenase 3 in cholesterol metabolism and atherosclerosis. <i>Current Opinion in Lipidology</i> , 2015, 26, 426-431.	2.7	52
61	Hypophagia and metabolic adaptations in mice with defective ATGL-mediated lipolysis cause resistance to HFD-induced obesity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 13850-13855.	7.1	58
62	Flavin containing monooxygenase 3 exerts broad effects on glucose and lipid metabolism and atherosclerosis. <i>Journal of Lipid Research</i> , 2015, 56, 22-37.	4.2	254
63	The Gut Microbial Endocrine Organ: Bacterially Derived Signals Driving Cardiometabolic Diseases. <i>Annual Review of Medicine</i> , 2015, 66, 343-359.	12.2	350
64	The TMAO-Generating Enzyme Flavin Monooxygenase 3 Is a Central Regulator of Cholesterol Balance. <i>Cell Reports</i> , 2015, 10, 326-338.	6.4	307
65	A new model of reverse cholesterol transport: enTICEing strategies to stimulate intestinal cholesterol excretion. <i>Trends in Pharmacological Sciences</i> , 2015, 36, 440-451.	8.7	55
66	Reduction of VLDL Secretion Decreases Cholesterol Excretion in Niemann-Pick C1-Like 1 Hepatic Transgenic Mice. <i>PLoS ONE</i> , 2014, 9, e84418.	2.5	15
67	Cholesterol Esters (CE) Derived From Hepatic Sterol O-Acyltransferase 2 (SOAT2) Are Associated With More Atherosclerosis Than CE From Intestinal SOAT2. <i>Circulation Research</i> , 2014, 115, 826-833.	4.5	41
68	Metaorganismal nutrient metabolism as a basis of cardiovascular disease. <i>Current Opinion in Lipidology</i> , 2014, 25, 48-53.	2.7	68
69	Deletion of CGI-58 or adipose triglyceride lipase differently affects macrophage function and atherosclerosis. <i>Journal of Lipid Research</i> , 2014, 55, 2562-2575.	4.2	27
70	Cancer Stem Cell-Specific Scavenger Receptor CD36 Drives Glioblastoma Progression. <i>Stem Cells</i> , 2014, 32, 1746-1758.	3.2	182
71	Seeking a Unique Lipid Signature Predicting Cardiovascular Disease Risk. <i>Circulation</i> , 2014, 129, 1799-1803.	1.6	15
72	Î±/Î²-Hydrolase Domain-6-Accessible Monoacylglycerol Controls Glucose-Stimulated Insulin Secretion. <i>Cell Metabolism</i> , 2014, 19, 993-1007.	16.2	125

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73	In vivo metabolite profiling as a means to identify uncharacterized lipase function: Recent success stories within the alpha beta hydrolase domain (ABHD) enzyme family. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2014, 1841, 1097-1101.	2.4	19
74	Acute Sterol O-Acyltransferase 2 (SOAT2) Knockdown Rapidly Mobilizes Hepatic Cholesterol for Fecal Excretion. <i>PLoS ONE</i> , 2014, 9, e98953.	2.5	22
75	The Serine Hydrolase ABHD6 Is a Critical Regulator of the Metabolic Syndrome. <i>Cell Reports</i> , 2013, 5, 508-520.	6.4	108
76	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
77	Mammalian alpha beta hydrolase domain (ABHD) proteins: Lipid metabolizing enzymes at the interface of cell signaling and energy metabolism. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2013, 1831, 792-802.	2.4	138
78	Intestinal SR-BI does not impact cholesterol absorption or transintestinal cholesterol efflux in mice. <i>Journal of Lipid Research</i> , 2013, 54, 1567-1577.	4.2	31
79	Scavenger Receptor Class B Type I Is a Plasma Membrane Cholesterol Sensor. <i>Circulation Research</i> , 2013, 112, 140-151.	4.5	72
80	CGI-58 knockdown sequesters diacylglycerols in lipid droplets/ER-preventing diacylglycerol-mediated hepatic insulin resistance. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 1869-1874.	7.1	137
81	Conjugated Linoleic Acid Reduces Adiposity and Increases Markers of Browning and Inflammation in White Adipose Tissue of Mice. <i>FASEB Journal</i> , 2013, 27, .	0.5	0
82	Tissue-specific knockouts of ACAT2 reveal that intestinal depletion is sufficient to prevent diet-induced cholesterol accumulation in the liver and blood. <i>Journal of Lipid Research</i> , 2012, 53, 1144-1152.	4.2	35
83	Biliary and nonbiliary contributions to reverse cholesterol transport. <i>Current Opinion in Lipidology</i> , 2012, 23, 85-90.	2.7	69
84	CGI-58/ABHD5-Derived Signaling Lipids Regulate Systemic Inflammation and Insulin Action. <i>Diabetes</i> , 2012, 61, 355-363.	0.6	46
85	Distinct roles for $\alpha$ -hydrolase domain 5 (ABHD5/CGI-58) and adipose triglyceride lipase (ATGL/PNPLA2) in lipid metabolism and signaling. <i>Adipocyte</i> , 2012, 1, 123-131.	2.8	29
86	Regulation of the alpha beta hydrolase domain (ABHD) protein family in murine and human obesity. <i>FASEB Journal</i> , 2012, 26, 597.4.	0.5	0
87	Adipose-selective overexpression of ABHD5/CGI-58 does not increase lipolysis or protect against diet-induced obesity. <i>Journal of Lipid Research</i> , 2011, 52, 2032-2042.	4.2	19
88	Stearoyl-coenzyme A desaturase 1 inhibition and the metabolic syndrome: considerations for future drug discovery. <i>Current Opinion in Lipidology</i> , 2010, 21, 192-197.	2.7	89
89	CGI-58 knockdown in mice causes hepatic steatosis but prevents diet-induced obesity and glucose intolerance. <i>Journal of Lipid Research</i> , 2010, 51, 3306-3315.	4.2	128
90	Combined Therapy of Dietary Fish Oil and Stearoyl-CoA Desaturase 1 Inhibition Prevents the Metabolic Syndrome and Atherosclerosis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2010, 30, 24-30.	2.4	59

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91	Biliary Sterol Secretion Is Not Required for Macrophage Reverse Cholesterol Transport. <i>Cell Metabolism</i> , 2010, 12, 96-102.	16.2	105
92	Protein Mediators of Sterol Transport Across Intestinal Brush Border Membrane. <i>Sub-Cellular Biochemistry</i> , 2010, 51, 337-380.	2.4	16
93	Opposing Gatekeepers of Apical Sterol Transport: Niemann-Pick C1-Like 1 (NPC1L1) and ATP-Binding Cassette Transporters G5 and G8 (ABCG5/ABCG8). <i>Immunology, Endocrine and Metabolic Agents in Medicinal Chemistry</i> , 2009, 9, 18-29.	0.5	50
94	Targeted Depletion of Hepatic ACAT2-driven Cholesterol Esterification Reveals a Non-biliary Route for Fecal Neutral Sterol Loss. <i>Journal of Biological Chemistry</i> , 2008, 283, 10522-10534.	3.4	99
95	Inhibition of Stearoyl-Coenzyme A Desaturase 1 Dissociates Insulin Resistance and Obesity From Atherosclerosis. <i>Circulation</i> , 2008, 118, 1467-1475.	1.6	148
96	CGI-58 facilitates the mobilization of cytoplasmic triglyceride for lipoprotein secretion in hepatoma cells. <i>Journal of Lipid Research</i> , 2007, 48, 2295-2305.	4.2	47
97	NPC1L1 (Niemann-Pick C1-like 1) mediates sterol-specific unidirectional transport of non-esterified cholesterol in McArdle-RH7777 hepatoma cells. <i>Biochemical Journal</i> , 2007, 406, 273-283.	3.7	45
98	Monounsaturated fatty acids and atherosclerosis: Opposing views from epidemiology and experimental animal models. <i>Current Atherosclerosis Reports</i> , 2007, 9, 494-500.	4.8	28
99	Liver-Specific Inhibition of Acyl-Coenzyme A:Cholesterol Acyltransferase 2 With Antisense Oligonucleotides Limits Atherosclerosis Development in Apolipoprotein B100-Only Low-Density Lipoprotein Receptor <sup>-/-</sup> Mice. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2006, 26, 1814-1820.	2.4	77
100	Conjugated Linoleic Acid Induces Human Adipocyte Delipidation. <i>Journal of Biological Chemistry</i> , 2004, 279, 26735-26747.	3.4	142
101	Isomer-specific regulation of metabolism and PPAR $\gamma$ signaling by CLA in human preadipocytes. <i>Journal of Lipid Research</i> , 2003, 44, 1287-1300.	4.2	192
102	Conjugated Linoleic Acid in Humans: Regulation of Adiposity and Insulin Sensitivity. <i>Journal of Nutrition</i> , 2003, 133, 3041-3046.	2.9	135