

Andrew D Patterson

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

162 papers	8,942 citations	53 h-index	91 g-index
187 ext. papers	11,395 ext. citations	9.1 avg, IF	6.26 L-index

#	Paper	IF	Citations
162	Aryl hydrocarbon receptor ligands in cancer: friend and foe. <i>Nature Reviews Cancer</i> , 2014 , 14, 801-14	31.3	455
161	Microbiome remodelling leads to inhibition of intestinal farnesoid X receptor signalling and decreased obesity. <i>Nature Communications</i> , 2013 , 4, 2384	17.4	413
160	Intestinal farnesoid X receptor signaling promotes nonalcoholic fatty liver disease. <i>Journal of Clinical Investigation</i> , 2015 , 125, 386-402	15.9	385
159	Gut microbiota and intestinal FXR mediate the clinical benefits of metformin. <i>Nature Medicine</i> , 2018 , 24, 1919-1929	50.5	335
158	Intestine-selective farnesoid X receptor inhibition improves obesity-related metabolic dysfunction. <i>Nature Communications</i> , 2015 , 6, 10166	17.4	304
157	Intermittent Fasting Promotes White Adipose Browning and Decreases Obesity by Shaping the Gut Microbiota. <i>Cell Metabolism</i> , 2017 , 26, 672-685.e4	24.6	228
156	Intestine farnesoid X receptor agonist and the gut microbiota activate G-protein bile acid receptor-1 signaling to improve metabolism. <i>Hepatology</i> , 2018 , 68, 1574-1588	11.2	206
155	Dysregulated Microbial Fermentation of Soluble Fiber Induces Cholestatic Liver Cancer. <i>Cell</i> , 2018 , 175, 679-694.e22	56.2	205
154	Aberrant lipid metabolism in hepatocellular carcinoma revealed by plasma metabolomics and lipid profiling. <i>Cancer Research</i> , 2011 , 71, 6590-600	10.1	204
153	Persistent Organic Pollutants Modify Gut Microbiota-Host Metabolic Homeostasis in Mice Through Aryl Hydrocarbon Receptor Activation. <i>Environmental Health Perspectives</i> , 2015 , 123, 679-88	8.4	199
152	Adaptation of the human aryl hydrocarbon receptor to sense microbiota-derived indoles. <i>Scientific Reports</i> , 2015 , 5, 12689	4.9	183
151	Disruption of phospholipid and bile acid homeostasis in mice with nonalcoholic steatohepatitis. <i>Hepatology</i> , 2012 , 56, 118-29	11.2	174
150	Gut microbiota-bile acid-interleukin-22 axis orchestrates polycystic ovary syndrome. <i>Nature Medicine</i> , 2019 , 25, 1225-1233	50.5	164
149	Xenobiotic metabolomics: major impact on the metabolome. <i>Annual Review of Pharmacology and Toxicology</i> , 2012 , 52, 37-56	17.9	160
148	An Intestinal Microbiota-Farnesoid X Receptor Axis Modulates Metabolic Disease. <i>Gastroenterology</i> , 2016 , 151, 845-859	13.3	159
147	Intra- and intermolecular domain interactions of the C-terminal GTPase effector domain of the multimeric dynamin-like GTPase Drp1. <i>Journal of Biological Chemistry</i> , 2004 , 279, 35967-74	5.4	144
146	Radiation metabolomics. 1. Identification of minimally invasive urine biomarkers for gamma-radiation exposure in mice. <i>Radiation Research</i> , 2008 , 170, 1-14	3.1	141

145	UPLC-ESI-TOFMS-based metabolomics and gene expression dynamics inspector self-organizing metabolomic maps as tools for understanding the cellular response to ionizing radiation. <i>Analytical Chemistry</i> , 2008 , 80, 665-74	7.8	131
144	Ketogenic Diets Alter the Gut Microbiome Resulting in Decreased Intestinal Th17 Cells. <i>Cell</i> , 2020 , 181, 1263-1275.e16	56.2	126
143	Deletion of XPC leads to lung tumors in mice and is associated with early events in human lung carcinogenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 13200-5	11.5	118
142	Cellular localization, oligomerization, and membrane association of the hereditary spastic paraplegia 3A (SPG3A) protein atlastin. <i>Journal of Biological Chemistry</i> , 2003 , 278, 49063-71	5.4	117
141	An Intestinal Farnesoid X Receptor-Ceramide Signaling Axis Modulates Hepatic Gluconeogenesis in Mice. <i>Diabetes</i> , 2017 , 66, 613-626	0.9	108
140	Microbiota-Dependent Hepatic Lipogenesis Mediated by Stearoyl CoA Desaturase 1 (SCD1) Promotes Metabolic Syndrome in TLR5-Deficient Mice. <i>Cell Metabolism</i> , 2015 , 22, 983-96	24.6	102
139	Targeting thioredoxin reductase 1 reduction in cancer cells inhibits self-sufficient growth and DNA replication. <i>PLoS ONE</i> , 2007 , 2, e1112	3.7	98
138	Noninvasive urinary metabolomic profiling identifies diagnostic and prognostic markers in lung cancer. <i>Cancer Research</i> , 2014 , 74, 3259-70	10.1	97
137	Lack of soluble fiber drives diet-induced adiposity in mice. <i>American Journal of Physiology - Renal Physiology</i> , 2015 , 309, G528-41	5.1	96
136	Radiation metabolomics. 2. Dose- and time-dependent urinary excretion of deaminated purines and pyrimidines after sublethal gamma-radiation exposure in mice. <i>Radiation Research</i> , 2009 , 172, 42-57	3.1	95
135	Reversing methanogenesis to capture methane for liquid biofuel precursors. <i>Microbial Cell Factories</i> , 2016 , 15, 11	6.4	91
134	Lipid metabolism and lipophagy in cancer. <i>Biochemical and Biophysical Research Communications</i> , 2018 , 504, 582-589	3.4	89
133	Delineating the role of glutathione peroxidase 4 in protecting cells against lipid hydroperoxide damage and in Alzheimer's disease. <i>Antioxidants and Redox Signaling</i> , 2010 , 12, 819-27	8.4	86
132	Radiation metabolomics. 3. Biomarker discovery in the urine of gamma-irradiated rats using a simplified metabolomics protocol of gas chromatography-mass spectrometry combined with random forests machine learning algorithm. <i>Radiation Research</i> , 2009 , 172, 198-212	3.1	85
131	Radiation metabolomics. 4. UPLC-ESI-QTOFMS-Based metabolomics for urinary biomarker discovery in gamma-irradiated rats. <i>Radiation Research</i> , 2011 , 175, 473-84	3.1	83
130	Peroxisome proliferator-activated receptor alpha induction of uncoupling protein 2 protects against acetaminophen-induced liver toxicity. <i>Hepatology</i> , 2012 , 56, 281-90	11.2	81
129	Microbiota fermentation-NLRP3 axis shapes the impact of dietary fibres on intestinal inflammation. <i>Gut</i> , 2019 , 68, 1801-1812	19.2	79
128	Radiation metabolomics. 5. Identification of urinary biomarkers of ionizing radiation exposure in nonhuman primates by mass spectrometry-based metabolomics. <i>Radiation Research</i> , 2012 , 178, 328-40	3.1	76

127	Role of fibroblast growth factor 21 in the early stage of NASH induced by methionine- and choline-deficient diet. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2015 , 1852, 1242-52	6.9	75
126	Species-specific ant brain manipulation by a specialized fungal parasite. <i>BMC Evolutionary Biology</i> , 2014 , 14, 166	3	74
125	A nucleotide excision repair master-switch: p53 regulated coordinate induction of global genomic repair genes. <i>Cancer Biology and Therapy</i> , 2002 , 1, 145-9	4.6	74
124	Activation of intestinal hypoxia-inducible factor 2 during obesity contributes to hepatic steatosis. <i>Nature Medicine</i> , 2017 , 23, 1298-1308	50.5	70
123	The gut microbiome: an orchestrator of xenobiotic metabolism. <i>Acta Pharmaceutica Sinica B</i> , 2020 , 10, 19-32	15.5	69
122	Farnesoid X Receptor Signaling Shapes the Gut Microbiota and Controls Hepatic Lipid Metabolism. <i>MSystems</i> , 2016 , 1,	7.6	67
121	Metabolomics identifies an inflammatory cascade involved in dioxin- and diet-induced steatohepatitis. <i>Cell Metabolism</i> , 2012 , 16, 634-44	24.6	67
120	Quantitative analysis of purine nucleotides indicates that purinosomes increase de novo purine biosynthesis. <i>Journal of Biological Chemistry</i> , 2015 , 290, 6705-13	5.4	66
119	Metabolomics Reveals that Aryl Hydrocarbon Receptor Activation by Environmental Chemicals Induces Systemic Metabolic Dysfunction in Mice. <i>Environmental Science & Technology</i> , 2015 , 49, 8067-77	10.3	64
118	Aryl hydrocarbon receptor regulates the cholesterol biosynthetic pathway in a dioxin response element-independent manner. <i>Hepatology</i> , 2012 , 55, 1994-2004	11.2	64
117	Microbial Metabolite Signaling Is Required for Systemic Iron Homeostasis. <i>Cell Metabolism</i> , 2020 , 31, 115-130.e6	24.6	64
116	Network analysis of a Pkd1-mouse model of autosomal dominant polycystic kidney disease identifies HNF4 α as a disease modifier. <i>PLoS Genetics</i> , 2012 , 8, e1003053	6	60
115	UPLC-MS-based urine metabolomics reveals indole-3-lactic acid and phenyllactic acid as conserved biomarkers for alcohol-induced liver disease in the Ppara-null mouse model. <i>Journal of Proteome Research</i> , 2011 , 10, 4120-33	5.6	59
114	Metabolomics reveals attenuation of the SLC6A20 kidney transporter in nonhuman primate and mouse models of type 2 diabetes mellitus. <i>Journal of Biological Chemistry</i> , 2011 , 286, 19511-22	5.4	59
113	Crucial role of macrophage selenoproteins in experimental colitis. <i>Journal of Immunology</i> , 2014 , 193, 3683-92	5.3	58
112	Lithocholic acid disrupts phospholipid and sphingolipid homeostasis leading to cholestasis in mice. <i>Hepatology</i> , 2011 , 53, 1282-93	11.2	58
111	Role of the Ah receptor in homeostatic control of fatty acid synthesis in the liver. <i>Toxicological Sciences</i> , 2012 , 129, 372-9	4.4	56
110	Xenobiotic metabolism: a view through the metabolometer. <i>Chemical Research in Toxicology</i> , 2010 , 23, 851-60	4	56

109	Identification of noninvasive biomarkers for alcohol-induced liver disease using urinary metabolomics and the Ppara-null mouse. <i>Journal of Proteome Research</i> , 2010 , 9, 4176-88	5.6	53
108	Berberine Directly Affects the Gut Microbiota to Promote Intestinal Farnesoid X Receptor Activation. <i>Drug Metabolism and Disposition</i> , 2019 , 47, 86-93	4	50
107	The microbiome modulating activity of bile acids. <i>Gut Microbes</i> , 2020 , 11, 979-996	8.8	49
106	Human urinary metabolomic profile of PPARalpha induced fatty acid beta-oxidation. <i>Journal of Proteome Research</i> , 2009 , 8, 4293-300	5.6	48
105	Metabolomics reveals an essential role for peroxisome proliferator-activated receptor α in bile acid homeostasis. <i>Journal of Lipid Research</i> , 2012 , 53, 1625-35	6.3	47
104	Intestinal Farnesoid X Receptor Signaling Modulates Metabolic Disease. <i>Digestive Diseases</i> , 2017 , 35, 178-184	3.2	46
103	Disruption of thioredoxin reductase 1 protects mice from acute acetaminophen-induced hepatotoxicity through enhanced NRF2 activity. <i>Chemical Research in Toxicology</i> , 2013 , 26, 1088-96	4	46
102	Abcb11 deficiency induces cholestasis coupled to impaired β -fatty acid oxidation in mice. <i>Journal of Biological Chemistry</i> , 2012 , 287, 24784-94	5.4	46
101	Comparative metabolism of cyclophosphamide and ifosfamide in the mouse using UPLC-ESI-QTOFMS-based metabolomics. <i>Biochemical Pharmacology</i> , 2010 , 80, 1063-74	6	45
100	Detection of Radiation-Exposure Biomarkers by Differential Mobility Prefiltered Mass Spectrometry (DMS-MS). <i>International Journal of Mass Spectrometry</i> , 2010 , 291, 108-117	1.9	45
99	Novel metabolites and roles for β -tocopherol in humans and mice discovered by mass spectrometry-based metabolomics. <i>American Journal of Clinical Nutrition</i> , 2012 , 96, 818-30	7	44
98	Microbial determinants of biochemical individuality and their impact on toxicology and pharmacology. <i>Cell Metabolism</i> , 2014 , 20, 761-768	24.6	43
97	Expression of the aryl hydrocarbon receptor contributes to the establishment of intestinal microbial community structure in mice. <i>Scientific Reports</i> , 2016 , 6, 33969	4.9	40
96	The Gut Microbiota Regulates Endocrine Vitamin D Metabolism through Fibroblast Growth Factor 23. <i>Frontiers in Immunology</i> , 2018 , 9, 408	8.4	40
95	Vitamin A deficiency in mice alters host and gut microbial metabolism leading to altered energy homeostasis. <i>Journal of Nutritional Biochemistry</i> , 2018 , 54, 28-34	6.3	39
94	Dietary Broccoli Impacts Microbial Community Structure and Attenuates Chemically Induced Colitis in Mice in an Ah receptor dependent manner. <i>Journal of Functional Foods</i> , 2017 , 37, 685-698	5.1	38
93	Bacterial colonization reprograms the neonatal gut metabolome. <i>Nature Microbiology</i> , 2020 , 5, 838-847	26.6	37
92	The role of mass spectrometry-based metabolomics in medical countermeasures against radiation. <i>Mass Spectrometry Reviews</i> , 2010 , 29, 503-21	11	37

91	Interplay Between the Host, the Human Microbiome, and Drug Metabolism. <i>Human Genomics</i> , 2019 , 13, 27	6.8	35
90	Intestinal microbiota-derived tryptophan metabolites are predictive of Ah receptor activity. <i>Gut Microbes</i> , 2020 , 12, 1-24	8.8	35
89	Orthogonal Comparison of GC-MS and H NMR Spectroscopy for Short Chain Fatty Acid Quantitation. <i>Analytical Chemistry</i> , 2017 , 89, 7900-7906	7.8	34
88	Caloric restriction disrupts the microbiota and colonization resistance. <i>Nature</i> , 2021 , 595, 272-277	50.4	32
87	Metabolomics reveals the metabolic map of procainamide in humans and mice. <i>Biochemical Pharmacology</i> , 2012 , 83, 1435-44	6	31
86	Metabolomics reveals the heterogeneous secretome of two entomopathogenic fungi to ex vivo cultured insect tissues. <i>PLoS ONE</i> , 2013 , 8, e70609	3.7	31
85	Attenuation of Microbial Dysbiosis and Hypertension in a CRISPR/Cas9 Gene Ablation Rat Model of GPER1. <i>Hypertension</i> , 2018 , 72, 1125-1132	8.5	30
84	Modulation of colon cancer by nutmeg. <i>Journal of Proteome Research</i> , 2015 , 14, 1937-46	5.6	29
83	Stable isotope- and mass spectrometry-based metabolomics as tools in drug metabolism: a study expanding tempol pharmacology. <i>Journal of Proteome Research</i> , 2013 , 12, 1369-76	5.6	28
82	The Pretreatment Gut Microbiome Is Associated With Lack of Response to Methotrexate in New-Onset Rheumatoid Arthritis. <i>Arthritis and Rheumatology</i> , 2021 , 73, 931-942	9.5	28
81	A comprehensive understanding of thioTEPA metabolism in the mouse using UPLC-ESI-QTOFMS-based metabolomics. <i>Biochemical Pharmacology</i> , 2011 , 81, 1043-53	6	27
80	Gadd34 requirement for normal hemoglobin synthesis. <i>Molecular and Cellular Biology</i> , 2006 , 26, 1644-53	4.8	27
79	Kernel approaches for differential expression analysis of mass spectrometry-based metabolomics data. <i>BMC Bioinformatics</i> , 2015 , 16, 77	3.6	25
78	Vitamin D Regulates the Microbiota to Control the Numbers of ROR γ /FoxP3+ Regulatory T Cells in the Colon. <i>Frontiers in Immunology</i> , 2019 , 10, 1772	8.4	24
77	Metabolomics Reveals Altered Lipid Metabolism in a Mouse Model of Endometriosis. <i>Journal of Proteome Research</i> , 2016 , 15, 2626-33	5.6	23
76	The aryl hydrocarbon receptor as a moderator of host-microbiota communication. <i>Current Opinion in Toxicology</i> , 2017 , 2, 30-35	4.4	22
75	Fenofibrate metabolism in the cynomolgus monkey using ultraperformance liquid chromatography-quadrupole time-of-flight mass spectrometry-based metabolomics. <i>Drug Metabolism and Disposition</i> , 2009 , 37, 1157-63	4	22
74	White button mushrooms increase microbial diversity and accelerate the resolution of <i>Citrobacter rodentium</i> infection in mice. <i>Journal of Nutrition</i> , 2013 , 143, 526-32	4.1	21

73	Perfluorooctane sulfonate alters gut microbiota-host metabolic homeostasis in mice. <i>Toxicology</i> , 2020 , 431, 152365	4.4	20
72	Editor's Highlight: Perfluorooctane Sulfonate-Choline Ion Pair Formation: A Potential Mechanism Modulating Hepatic Steatosis and Oxidative Stress in Mice. <i>Toxicological Sciences</i> , 2016 , 153, 186-97	4.4	20
71	Gdf15 regulates murine stress erythroid progenitor proliferation and the development of the stress erythropoiesis niche. <i>Blood Advances</i> , 2019 , 3, 2205-2217	7.8	19
70	Molecular Regulation of Carcinogenesis: Friend and Foe. <i>Toxicological Sciences</i> , 2018 , 165, 277-283	4.4	18
69	Identification of serum insulin-like growth factor binding protein 1 as diagnostic biomarker for early-stage alcohol-induced liver disease. <i>Journal of Translational Medicine</i> , 2013 , 11, 266	8.5	18
68	Metabolomics identifies novel Hnf1alpha-dependent physiological pathways in vivo. <i>Molecular Endocrinology</i> , 2010 , 24, 2343-55		18
67	Metatranscriptomic Analysis of the Mouse Gut Microbiome Response to the Persistent Organic Pollutant 2,3,7,8-Tetrachlorodibenzofuran. <i>Metabolites</i> , 2019 , 10,	5.6	18
66	A review of analytical platforms for accurate bile acid measurement. <i>Analytical and Bioanalytical Chemistry</i> , 2019 , 411, 4541-4549	4.4	17
65	Nutrient Sensing in CD11c Cells Alters the Gut Microbiota to Regulate Food Intake and Body Mass. <i>Cell Metabolism</i> , 2019 , 30, 364-373.e7	24.6	17
64	Ursodeoxycholic Acid (UDCA) Mitigates the Host Inflammatory Response during <i>Clostridioides difficile</i> Infection by Altering Gut Bile Acids. <i>Infection and Immunity</i> , 2020 , 88,	3.7	17
63	Antioxidant Drug Tempol Promotes Functional Metabolic Changes in the Gut Microbiota. <i>Journal of Proteome Research</i> , 2016 , 15, 563-71	5.6	16
62	A Cyp2a polymorphism predicts susceptibility to NNK-induced lung tumorigenesis in mice. <i>Carcinogenesis</i> , 2011 , 32, 1279-84	4.6	16
61	Prebiotic effects of white button mushroom (<i>Agaricus bisporus</i>) feeding on succinate and intestinal gluconeogenesis in C57BL/6 mice. <i>Journal of Functional Foods</i> , 2018 , 45, 223-232	5.1	16
60	Identification of a mouse <i>Lactobacillus johnsonii</i> strain with deconjugase activity against the FXR antagonist T- μ CA. <i>PLoS ONE</i> , 2017 , 12, e0183564	3.7	15
59	Metabolomics reveals that tumor xenografts induce liver dysfunction. <i>Molecular and Cellular Proteomics</i> , 2013 , 12, 2126-35	7.6	15
58	Genomic instability in Gadd45a ^{-/-} cells is coupled with S-phase checkpoint defects. <i>Cell Cycle</i> , 2005 , 4, 704-9	4.7	15
57	Randomized controlled-feeding study of dietary emulsifier carboxymethylcellulose reveals detrimental impacts on the gut microbiota and metabolome. <i>Gastroenterology</i> , 2021 ,	13.3	15
56	Vancomycin prevents fermentable fiber-induced liver cancer in mice with dysbiotic gut microbiota. <i>Gut Microbes</i> , 2020 , 11, 1077-1091	8.8	14

55	Biochemistry and physiology of the class carbonic anhydrase (Cpb) from <i>Clostridium perfringens</i> strain 13. <i>Journal of Bacteriology</i> , 2013 , 195, 2262-9	3.5	14
54	Mass Spectrometry-Based Metabolomics Identifies Longitudinal Urinary Metabolite Profiles Predictive of Radiation-Induced Cancer. <i>Cancer Research</i> , 2016 , 76, 1569-77	10.1	13
53	Microbiota Metabolism Promotes Synthesis of the Human Ah Receptor Agonist 2,8-Dihydroxyquinoline. <i>Journal of Proteome Research</i> , 2019 , 18, 1715-1724	5.6	13
52	NMR-Based Metabolomics and Its Application in Drug Metabolism and Cancer Research. <i>Current Pharmacology Reports</i> , 2016 , 2, 231-240	5.5	12
51	The Ron Receptor Tyrosine Kinase Regulates Macrophage Heterogeneity and Plays a Protective Role in Diet-Induced Obesity, Atherosclerosis, and Hepatosteatosis. <i>Journal of Immunology</i> , 2016 , 197, 256-65	5.3	12
50	Metabolomics: an essential tool to understand the function of peroxisome proliferator-activated receptor alpha. <i>Toxicologic Pathology</i> , 2013 , 41, 410-8	2.1	11
49	Neural tube development requires the cooperation of p53- and Gadd45a-associated pathways. <i>Birth Defects Research Part A: Clinical and Molecular Teratology</i> , 2006 , 76, 129-32		10
48	Modulation of urinary siderophores by the diet, gut microbiota and inflammation in mice. <i>Journal of Nutritional Biochemistry</i> , 2017 , 41, 25-33	6.3	9
47	The Human Transient Receptor Potential Melastatin 2 Ion Channel Modulates ROS Through Nrf2. <i>Scientific Reports</i> , 2019 , 9, 14132	4.9	9
46	The nuclear export signal of splicing factor Uap56p interacts with nuclear pore-associated protein Rae1p for mRNA export in <i>Schizosaccharomyces pombe</i> . <i>Journal of Biological Chemistry</i> , 2007 , 282, 17507-16	5.4	9
45	Evaluating the structural complexity of isomeric bile acids with ion mobility spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2019 , 411, 4673-4682	4.4	8
44	Regulation of vitamin D metabolism following disruption of the microbiota using broad spectrum antibiotics. <i>Journal of Nutritional Biochemistry</i> , 2018 , 56, 65-73	6.3	8
43	Neuroprotective Role of the Ron Receptor Tyrosine Kinase Underlying Central Nervous System Inflammation in Health and Disease. <i>Frontiers in Immunology</i> , 2018 , 9, 513	8.4	8
42	Nonalcoholic steatohepatitis Fitness Intervention in Thrombosis (NASHFit): Study protocol for a randomized controlled trial of a supervised aerobic exercise program to reduce elevated clotting risk in patients with NASH. <i>Contemporary Clinical Trials Communications</i> , 2020 , 18, 100560	1.8	8
41	Retinoic Acid Mediated Clearance of in Vitamin A Deficient Mice Requires CD11b+ and T Cells. <i>Frontiers in Immunology</i> , 2018 , 9, 3090	8.4	7
40	Impaired recovery from peritoneal inflammation in a mouse model of mild dietary zinc restriction. <i>Molecular Nutrition and Food Research</i> , 2016 , 60, 672-81	5.9	7
39	Adding value to first-year undergraduate marketing education: team-based learning as a strategic response to changing modern educational environments. <i>Journal of Strategic Marketing</i> , 2017 , 25, 138-151	12.7	6
38	Metabolic impact of persistent organic pollutants on gut microbiota. <i>Gut Microbes</i> , 2020 , 12, 1-16	8.8	6

37	Omics Approaches To Probe Microbiota and Drug Metabolism Interactions. <i>Chemical Research in Toxicology</i> , 2016 , 29, 1987-1997	4	6
36	The East Asian gut microbiome is distinct from colocalized White subjects and connected to metabolic health. <i>ELife</i> , 2021 , 10,	8.9	6
35	A Quantitative HILIC-MS/MS Assay of the Metabolic Response of Huh-7 Cells Exposed to 2,3,7,8-Tetrachlorodibenzo--Dioxin. <i>Metabolites</i> , 2019 , 9,	5.6	5
34	Metabolomics Reveals Aryl Hydrocarbon Receptor Activation Induces Liver and Mammary Gland Metabolic Dysfunction in Lactating Mice. <i>Journal of Proteome Research</i> , 2018 , 17, 1375-1382	5.6	5
33	Ron Receptor Signaling Ameliorates Hepatic Fibrosis in a Diet-Induced Nonalcoholic Steatohepatitis Mouse Model. <i>Journal of Proteome Research</i> , 2018 , 17, 3268-3280	5.6	5
32	Gender Differences in Phytoestrogens and the Relationship with Speed of Processing in Older Adults: A Cross-Sectional Analysis of NHANES, 1999-2002. <i>Nutrients</i> , 2019 , 11,	6.7	5
31	Unraveling the role of peroxisome proliferator-activated receptor- γ (PPAR γ) expression in colon carcinogenesis. <i>Npj Precision Oncology</i> , 2019 , 3, 26	9.8	5
30	How gut microbiome interactions affect nutritional traits of. <i>Journal of Experimental Biology</i> , 2020 , 223,	3	5
29	Current Challenges and Recent Developments in Mass Spectrometry-Based Metabolomics. <i>Annual Review of Analytical Chemistry</i> , 2021 , 14, 467-487	12.5	5
28	Impaired Intestinal Akkermansia muciniphila and Aryl Hydrocarbon Receptor Ligands Contribute to Nonalcoholic Fatty Liver Disease in Mice. <i>MSystems</i> , 2021 , 6,	7.6	5
27	Metabolomic Approaches Reveal the Role of CAR in Energy Metabolism. <i>Journal of Proteome Research</i> , 2019 , 18, 239-251	5.6	5
26	Lipid Emulsion Added to a Liquid High-Carbohydrate Diet and Voluntary Running Exercise Reduce Lipogenesis and Ameliorate Early-Stage Hepatic Steatosis in Mice. <i>Journal of Nutrition</i> , 2017 , 147, 746-753	4.1	4
25	Lipocalin 2 deficiency-induced gut microbiota dysbiosis evokes metabolic syndrome in aged mice. <i>Physiological Genomics</i> , 2020 , 52, 314-321	3.6	4
24	Gadd45a acts as a modifier locus for lymphoblastic lymphoma. <i>Leukemia</i> , 2005 , 19, 847-50	10.7	4
23	Multiplatform Physiologic and Metabolic Phenotyping Reveals Microbial Toxicity. <i>MSystems</i> , 2018 , 3,	7.6	4
22	Structural and Functional Analysis of the Gut Microbiome for Toxicologists. <i>Current Protocols in Toxicology / Editorial Board, Mahin D Maines (editor-in-chief) [et Al]</i> , 2018 , 78, e54	1	4
21	Isolation and Identification of Aryl Hydrocarbon Receptor Modulators in White Button Mushrooms (). <i>Journal of Agricultural and Food Chemistry</i> , 2019 , 67, 9286-9294	5.7	3
20	Defective humoral immunity disrupts bile acid homeostasis which promotes inflammatory disease of the small bowel.. <i>Nature Communications</i> , 2022 , 13, 525	17.4	3

19	Sample Preparation and Data Analysis for NMR-Based Metabolomics. <i>Methods in Molecular Biology</i> , 2021 , 2194, 301-313	1.4	3
18	Impact of Facultative Bacteria on the Metabolic Function of an Obligate Insect-Bacterial Symbiosis. <i>MBio</i> , 2020 , 11,	7.8	3
17	Exercise Training Reverses Gut Dysbiosis in Patients With Biopsy-Proven Nonalcoholic Steatohepatitis: A Proof of Concept Study. <i>Clinical Gastroenterology and Hepatology</i> , 2021 , 19, 1723-1725	6.9	3
16	The role of mouse and human peroxisome proliferator-activated receptor- α in modulating the hepatic effects of perfluorooctane sulfonate in mice. <i>Toxicology</i> , 2021 , 465, 153056	4.4	2
15	A thermogenic fat-epithelium cell axis regulates intestinal disease tolerance. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 32029-32037	11.5	2
14	Metabolic Profiling Reveals Aggravated Non-Alcoholic Steatohepatitis in High-Fat High-Cholesterol Diet-Fed Apolipoprotein E-Deficient Mice Lacking Ron Receptor Signaling. <i>Metabolites</i> , 2020 , 10,	5.6	2
13	OP0119 THE PRE-TREATMENT GUT MICROBIOME PREDICTS EARLY RESPONSE TO RHEUMATOID ARTHRITIS THERAPY 2019 ,		2
12	Secondary bile acid ursodeoxycholic acid alters weight, the gut microbiota, and the bile acid pool in conventional mice. <i>PLoS ONE</i> , 2021 , 16, e0246161	3.7	2
11	A Metabolomic Perspective of Small Molecule Toxicity		2
10	PPAR action in insulin resistance unraveled by metabolomics: potential clinical implications. <i>Genome Medicine</i> , 2011 , 3, 54	14.4	1
9	Quantitative Analysis of Bile Acid with UHPLC-MS/MS. <i>Methods in Molecular Biology</i> , 2021 , 2194, 291-300	1.4	1
8	Secondary bile acid ursodeoxycholic acid (UDCA) alters weight, the gut microbiota, and the bile acid pool in conventional mice		1
7	MDM2-Dependent Rewiring of Metabolomic and Lipidomic Profiles in Dedifferentiated Liposarcoma Models. <i>Cancers</i> , 2020 , 12,	6.6	1
6	The aryl hydrocarbon receptor activates ceramide biosynthesis in mice contributing to hepatic lipogenesis. <i>Toxicology</i> , 2021 , 458, 152831	4.4	1
5	Metabolomic profiling of stool of two-year old children from the INSIGHT study reveals links between butyrate and child weight outcomes. <i>Pediatric Obesity</i> , 2022 , 17, e12833	4.6	1
4	Selenium-dependent metabolic reprogramming during inflammation and resolution. <i>Journal of Biological Chemistry</i> , 2021 , 296, 100410	5.4	1
3	Roux-en-Y Gastric Bypass Surgery Has Early Differential Effects on Bile Acids and the Levels of Complement Component 3 and Acylation-Stimulating Protein. <i>Obesity Surgery</i> , 2021 , 31, 773-780	3.7	0
2	Metabolomics 2014 , 106-118		

- 1 Reconstitution of the host holobiont in germ-free born male rats acutely increases bone growth and affects marrow cellular content. *Physiological Genomics*, **2021**, 53, 518-533 3.6