

Andrew D Patterson

List of Publications by Year in descending order

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Version: 2024-02-01

166
papers

13,594
citations

22548

61
h-index

28425

109
g-index

187
all docs

187
docs citations

187
times ranked

19805
citing authors

#	ARTICLE	IF	CITATIONS
1	Aryl hydrocarbon receptor ligands in cancer: friend and foe. <i>Nature Reviews Cancer</i> , 2014, 14, 801-814.	12.8	653
2	Gut microbiota and intestinal FXR mediate the clinical benefits of metformin. <i>Nature Medicine</i> , 2018, 24, 1919-1929.	15.2	632
3	Microbiome remodelling leads to inhibition of intestinal farnesoid X receptor signalling and decreased obesity. <i>Nature Communications</i> , 2013, 4, 2384.	5.8	549
4	Intestinal farnesoid X receptor signaling promotes nonalcoholic fatty liver disease. <i>Journal of Clinical Investigation</i> , 2015, 125, 386-402.	3.9	517
5	Intermittent Fasting Promotes White Adipose Browning and Decreases Obesity by Shaping the Gut Microbiota. <i>Cell Metabolism</i> , 2017, 26, 672-685.e4.	7.2	427
6	Intestine-selective farnesoid X receptor inhibition improves obesity-related metabolic dysfunction. <i>Nature Communications</i> , 2015, 6, 10166.	5.8	413
7	Gut microbiota bile acid interleukin-22 axis orchestrates polycystic ovary syndrome. <i>Nature Medicine</i> , 2019, 25, 1225-1233.	15.2	394
8	Intestine farnesoid X receptor agonist and the gut microbiota activate G-protein bile acid receptor signaling to improve metabolism. <i>Hepatology</i> , 2018, 68, 1574-1588.	3.6	348
9	Dysregulated Microbial Fermentation of Soluble Fiber Induces Cholestatic Liver Cancer. <i>Cell</i> , 2018, 175, 679-694.e22.	13.5	344
10	Ketogenic Diets Alter the Gut Microbiome Resulting in Decreased Intestinal Th17 Cells. <i>Cell</i> , 2020, 181, 1263-1275.e16.	13.5	292
11	Adaptation of the human aryl hydrocarbon receptor to sense microbiota-derived indoles. <i>Scientific Reports</i> , 2015, 5, 12689.	1.6	274
12	Persistent Organic Pollutants Modify Gut Microbiota-Host Metabolic Homeostasis in Mice Through Aryl Hydrocarbon Receptor Activation. <i>Environmental Health Perspectives</i> , 2015, 123, 679-688.	2.8	262
13	An Intestinal Microbiota-Farnesoid X Receptor Axis Modulates Metabolic Disease. <i>Gastroenterology</i> , 2016, 151, 845-859.	0.6	254
14	Aberrant Lipid Metabolism in Hepatocellular Carcinoma Revealed by Plasma Metabolomics and Lipid Profiling. <i>Cancer Research</i> , 2011, 71, 6590-6600.	0.4	243
15	Disruption of phospholipid and bile acid homeostasis in mice with nonalcoholic steatohepatitis. <i>Hepatology</i> , 2012, 56, 118-129.	3.6	215
16	Xenobiotic Metabolomics: Major Impact on the Metabolome. <i>Annual Review of Pharmacology and Toxicology</i> , 2012, 52, 37-56.	4.2	209
17	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, 35967-35974.	1.6	175
18	Lipid metabolism and lipophagy in cancer. <i>Biochemical and Biophysical Research Communications</i> , 2018, 504, 582-589.	1.0	175

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19	Microbial Metabolite Signaling Is Required for Systemic Iron Homeostasis. <i>Cell Metabolism</i> , 2020, 31, 115-130.e6.	7.2	172
20	Microbiota fermentation-NLRP3 axis shapes the impact of dietary fibres on intestinal inflammation. <i>Gut</i> , 2019, 68, 1801-1812.	6.1	157
21	The gut microbiome: an orchestrator of xenobiotic metabolism. <i>Acta Pharmaceutica Sinica B</i> , 2020, 10, 19-32.	5.7	154
22	Radiation Metabolomics. 1. Identification of Minimally Invasive Urine Biomarkers for Gamma-Radiation Exposure in Mice. <i>Radiation Research</i> , 2008, 170, 1-14.	0.7	151
23	An Intestinal Farnesoid X Receptor–Ceramide Signaling Axis Modulates Hepatic Gluconeogenesis in Mice. <i>Diabetes</i> , 2017, 66, 613-626.	0.3	151
24	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, 665-674.	3.2	142
25	Noninvasive Urinary Metabolomic Profiling Identifies Diagnostic and Prognostic Markers in Lung Cancer. <i>Cancer Research</i> , 2014, 74, 3259-3270.	0.4	140
26	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, 13200-13205.	3.3	135
27	Cellular Localization, Oligomerization, and Membrane Association of the Hereditary Spastic Paraplegia 3A (SPG3A) Protein Atlastin. <i>Journal of Biological Chemistry</i> , 2003, 278, 49063-49071.	1.6	130
28	Microbiota-Dependent Hepatic Lipogenesis Mediated by Stearoyl CoA Desaturase 1 (SCD1) Promotes Metabolic Syndrome in TLR5-Deficient Mice. <i>Cell Metabolism</i> , 2015, 22, 983-996.	7.2	129
29	Lack of soluble fiber drives diet-induced adiposity in mice. <i>American Journal of Physiology - Renal Physiology</i> , 2015, 309, G528-G541.	1.6	128
30	The microbiome modulating activity of bile acids. <i>Gut Microbes</i> , 2020, 11, 979-996.	4.3	124
31	Intestinal microbiota-derived tryptophan metabolites are predictive of Ah receptor activity. <i>Gut Microbes</i> , 2020, 12, 1788899.	4.3	123
32	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, 819-827.	2.5	122
33	Reversing methanogenesis to capture methane for liquid biofuel precursors. <i>Microbial Cell Factories</i> , 2016, 15, 11.	1.9	116
34	Randomized Controlled-Feeding Study of Dietary Emulsifier Carboxymethylcellulose Reveals Detrimental Impacts on the Gut Microbiota and Metabolome. <i>Gastroenterology</i> , 2022, 162, 743-756.	0.6	111
35	Targeting Thioredoxin Reductase 1 Reduction in Cancer Cells Inhibits Self-Sufficient Growth and DNA Replication. <i>PLoS ONE</i> , 2007, 2, e1112.	1.1	109
36	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.	0.7	109

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37	Caloric restriction disrupts the microbiota and colonization resistance. <i>Nature</i> , 2021, 595, 272-277.	13.7	109
38	Activation of intestinal hypoxia-inducible factor 2 α during obesity contributes to hepatic steatosis. <i>Nature Medicine</i> , 2017, 23, 1298-1308.	15.2	108
39	Quantitative Analysis of Purine Nucleotides Indicates That Purinosomes Increase de Novo Purine Biosynthesis. <i>Journal of Biological Chemistry</i> , 2015, 290, 6705-6713.	1.6	101
40	Species-specific ant brain manipulation by a specialized fungal parasite. <i>BMC Evolutionary Biology</i> , 2014, 14, 166.	3.2	96
41	Peroxisome proliferator-activated receptor alpha induction of uncoupling protein 2 protects against acetaminophen-induced liver toxicity. <i>Hepatology</i> , 2012, 56, 281-290.	3.6	95
42	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, 1242-1252.	1.8	95
43	Farnesoid X Receptor Signaling Shapes the Gut Microbiota and Controls Hepatic Lipid Metabolism. <i>MSystems</i> , 2016, 1, .	1.7	95
44	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.	0.7	94
45	Radiation Metabolomics. 4. UPLC-ESI-QTOFMS-Based Metabolomics for Urinary Biomarker Discovery in Gamma-Irradiated Rats. <i>Radiation Research</i> , 2011, 175, 473-484.	0.7	92
46	Xenobiotic Metabolism: A View through the Metabolometer. <i>Chemical Research in Toxicology</i> , 2010, 23, 851-860.	1.7	88
47	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.	0.7	88
48	Lithocholic acid disrupts phospholipid and sphingolipid homeostasis leading to cholestasis in mice. <i>Hepatology</i> , 2011, 53, 1282-1293.	3.6	86
49	A Nucleotide Excision Repair Master-Switch: p53 Regulated Coordinate Introduction of Global Genomic Repair Genes. <i>Cancer Biology and Therapy</i> , 2002, 1, 145-149.	1.5	84
50	Berberine Directly Affects the Gut Microbiota to Promote Intestinal Farnesoid X Receptor Activation. <i>Drug Metabolism and Disposition</i> , 2019, 47, 86-93.	1.7	84
51	Aryl hydrocarbon receptor regulates the cholesterol biosynthetic pathway in a dioxin response element-independent manner. <i>Hepatology</i> , 2012, 55, 1994-2004.	3.6	81
52	Intestinal Farnesoid X Receptor Signaling Modulates Metabolic Disease. <i>Digestive Diseases</i> , 2017, 35, 178-184.	0.8	81
53	Metabolomics Reveals that Aryl Hydrocarbon Receptor Activation by Environmental Chemicals Induces Systemic Metabolic Dysfunction in Mice. <i>Environmental Science & Technology</i> , 2015, 49, 8067-8077.	4.6	80
54	Crucial Role of Macrophage Selenoproteins in Experimental Colitis. <i>Journal of Immunology</i> , 2014, 193, 3683-3692.	0.4	79

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55	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, 19511-19522.	1.6	78
56	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.	2.9	78
57	Metabolomics Identifies an Inflammatory Cascade Involved in Dioxin- and Diet-Induced Steatohepatitis. <i>Cell Metabolism</i> , 2012, 16, 634-644.	7.2	76
58	Network Analysis of a Pkd1-Mouse Model of Autosomal Dominant Polycystic Kidney Disease Identifies HNF4 β as a Disease Modifier. <i>PLoS Genetics</i> , 2012, 8, e1003053.	1.5	75
59	UPLC-MS-based Urine Metabolomics Reveals Indole-3-lactic Acid and Phenyllactic Acid as Conserved Biomarkers for Alcohol-induced Liver Disease in the <i>Ppara</i> -null Mouse Model. <i>Journal of Proteome Research</i> , 2011, 10, 4120-4133.	1.8	73
60	Bacterial colonization reprograms the neonatal gut metabolome. <i>Nature Microbiology</i> , 2020, 5, 838-847.	5.9	70
61	The Gut Microbiota Regulates Endocrine Vitamin D Metabolism through Fibroblast Growth Factor 23. <i>Frontiers in Immunology</i> , 2018, 9, 408.	2.2	65
62	Role of the Ah Receptor in Homeostatic Control of Fatty Acid Synthesis in the Liver. <i>Toxicological Sciences</i> , 2012, 129, 372-379.	1.4	63
63	Metabolomics reveals an essential role for peroxisome proliferator-activated receptor β in bile acid homeostasis. <i>Journal of Lipid Research</i> , 2012, 53, 1625-1635.	2.0	63
64	Abcb11 Deficiency Induces Cholestasis Coupled to Impaired β -Fatty Acid Oxidation in Mice. <i>Journal of Biological Chemistry</i> , 2012, 287, 24784-24794.	1.6	63
65	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.	1.6	62
66	Bile acid metabolism and signaling, the microbiota, and metabolic disease. , 2022, 237, 108238.		62
67	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.	1.9	60
68	Orthogonal Comparison of GC-MS and ^1H NMR Spectroscopy for Short Chain Fatty Acid Quantitation. <i>Analytical Chemistry</i> , 2017, 89, 7900-7906.	3.2	58
69	Identification of Noninvasive Biomarkers for Alcohol-Induced Liver Disease Using Urinary Metabolomics and the <i>Ppara</i> -null Mouse. <i>Journal of Proteome Research</i> , 2010, 9, 4176-4188.	1.8	57
70	Human Urinary Metabolomic Profile of PPAR β Induced Fatty Acid β -Oxidation. <i>Journal of Proteome Research</i> , 2009, 8, 4293-4300.	1.8	55
71	Metatranscriptomic Analysis of the Mouse Gut Microbiome Response to the Persistent Organic Pollutant 2,3,7,8-Tetrachlorodibenzofuran. <i>Metabolites</i> , 2020, 10, 1.	1.3	55
72	Comparative metabolism of cyclophosphamide and ifosfamide in the mouse using UPLC-ESI-QTOFMS-based metabolomics. <i>Biochemical Pharmacology</i> , 2010, 80, 1063-1074.	2.0	54

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73	Expression of the aryl hydrocarbon receptor contributes to the establishment of intestinal microbial community structure in mice. <i>Scientific Reports</i> , 2016, 6, 33969.	1.6	54
74	Disruption of Thioredoxin Reductase 1 Protects Mice from Acute Acetaminophen-Induced Hepatotoxicity through Enhanced NRF2 Activity. <i>Chemical Research in Toxicology</i> , 2013, 26, 1088-1096.	1.7	53
75	Microbial Determinants of Biochemical Individuality and Their Impact on Toxicology and Pharmacology. <i>Cell Metabolism</i> , 2014, 20, 761-768.	7.2	53
76	Detection of radiation-exposure biomarkers by differential mobility prefiltered mass spectrometry (DMS-MS). <i>International Journal of Mass Spectrometry</i> , 2010, 291, 108-117.	0.7	52
77	Interplay Between the Host, the Human Microbiome, and Drug Metabolism. <i>Human Genomics</i> , 2019, 13, 27.	1.4	52
78	Attenuation of Microbial Dysbiosis and Hypertension in a CRISPR/Cas9 Gene Ablation Rat Model of GPER1. <i>Hypertension</i> , 2018, 72, 1125-1132.	1.3	50
79	Novel metabolites and roles for α -tocopherol in humans and mice discovered by mass spectrometry-based metabolomics. <i>American Journal of Clinical Nutrition</i> , 2012, 96, 818-830.	2.2	49
80	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, .	1.0	47
81	Modulation of Colon Cancer by Nutmeg. <i>Journal of Proteome Research</i> , 2015, 14, 1937-1946.	1.8	44
82	Vitamin D Regulates the Microbiota to Control the Numbers of ROR γ t/FoxP3+ Regulatory T Cells in the Colon. <i>Frontiers in Immunology</i> , 2019, 10, 1772.	2.2	44
83	The role of mass spectrometry-based metabolomics in medical countermeasures against radiation. <i>Mass Spectrometry Reviews</i> , 2009, 29, n/a-n/a.	2.8	43
84	Perfluorooctane sulfonate alters gut microbiota-host metabolic homeostasis in mice. <i>Toxicology</i> , 2020, 431, 152365.	2.0	43
85	Metabolomics Reveals the Heterogeneous Secretome of Two Entomopathogenic Fungi to Ex Vivo Cultured Insect Tissues. <i>PLoS ONE</i> , 2013, 8, e70609.	1.1	38
86	Gdf15 regulates murine stress erythroid progenitor proliferation and the development of the stress erythropoiesis niche. <i>Blood Advances</i> , 2019, 3, 2205-2217.	2.5	36
87	Impaired Intestinal <i>Akkermansia muciniphila</i> and Aryl Hydrocarbon Receptor Ligands Contribute to Nonalcoholic Fatty Liver Disease in Mice. <i>MSystems</i> , 2021, 6, .	1.7	35
88	Metabolomics reveals the metabolic map of procainamide in humans and mice. <i>Biochemical Pharmacology</i> , 2012, 83, 1435-1444.	2.0	34
89	Molecular Regulation of Carcinogenesis: Friend and Foe. <i>Toxicological Sciences</i> , 2018, 165, 277-283.	1.4	34
90	A comprehensive understanding of thioTEPA metabolism in the mouse using UPLC-ESI-QTOFMS-based metabolomics. <i>Biochemical Pharmacology</i> , 2011, 81, 1043-1053.	2.0	32

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91	Metabolomics Reveals Altered Lipid Metabolism in a Mouse Model of Endometriosis. <i>Journal of Proteome Research</i> , 2016, 15, 2626-2633.	1.8	32
92	Vancomycin prevents fermentable fiber-induced liver cancer in mice with dysbiotic gut microbiota. <i>Gut Microbes</i> , 2020, 11, 1077-1091.	4.3	32
93	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.	7.2	31
94	Gadd34 Requirement for Normal Hemoglobin Synthesis. <i>Molecular and Cellular Biology</i> , 2006, 26, 1644-1653.	1.1	30
95	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, 1157-1163.	1.7	30
96	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, 1369-1376.	1.8	29
97	Current Challenges and Recent Developments in Mass Spectrometry-Based Metabolomics. <i>Annual Review of Analytical Chemistry</i> , 2021, 14, 467-487.	2.8	29
98	Inhibition of farnesoid X receptor signaling shows beneficial effects in human obesity. <i>Journal of Hepatology</i> , 2015, 62, 1234-1236.	1.8	28
99	The aryl hydrocarbon receptor as a moderator of host-microbiota communication. <i>Current Opinion in Toxicology</i> , 2017, 2, 30-35.	2.6	28
100	Identification of a mouse <i>Lactobacillus johnsonii</i> strain with deconjugase activity against the FXR antagonist T-12-MCA. <i>PLoS ONE</i> , 2017, 12, e0183564.	1.1	28
101	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.	1.6	28
102	A review of analytical platforms for accurate bile acid measurement. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 4541-4549.	1.9	28
103	Kernel approaches for differential expression analysis of mass spectrometry-based metabolomics data. <i>BMC Bioinformatics</i> , 2015, 16, 77.	1.2	27
104	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, 526-532.	1.3	26
105	The East Asian gut microbiome is distinct from colocalized White subjects and connected to metabolic health. <i>ELife</i> , 2021, 10, .	2.8	25
106	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, 186-197.	1.4	24
107	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.	1.1	24
108	Metabolomics Identifies Novel Hnf1 α -Dependent Physiological Pathways in Vivo. <i>Molecular Endocrinology</i> , 2010, 24, 2343-2355.	3.7	23

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109	Metabolic impact of persistent organic pollutants on gut microbiota. <i>Gut Microbes</i> , 2020, 12, 1848209.	4.3	22
110	Microbiota Metabolism Promotes Synthesis of the Human Ah Receptor Agonist 2,8-Dihydroxyquinoline. <i>Journal of Proteome Research</i> , 2019, 18, 1715-1724.	1.8	21
111	Antioxidant Drug Tempol Promotes Functional Metabolic Changes in the Gut Microbiota. <i>Journal of Proteome Research</i> , 2016, 15, 563-571.	1.8	20
112	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.	1.8	19
113	A Cyp2a polymorphism predicts susceptibility to NNK-induced lung tumorigenesis in mice. <i>Carcinogenesis</i> , 2011, 32, 1279-1284.	1.3	18
114	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, 256-265.	0.4	18
115	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.	1.3	18
116	The Human Transient Receptor Potential Melastatin 2 Ion Channel Modulates ROS Through Nrf2. <i>Scientific Reports</i> , 2019, 9, 14132.	1.6	18
117	Defective humoral immunity disrupts bile acid homeostasis which promotes inflammatory disease of the small bowel. <i>Nature Communications</i> , 2022, 13, 525.	5.8	18
118	Genomic Instability in <i>Gadd45a</i> Cells is Coupled with S-Phase Checkpoint Defects. <i>Cell Cycle</i> , 2005, 4, 704-709.	1.3	17
119	Metabolomics Reveals That Tumor Xenografts Induce Liver Dysfunction. <i>Molecular and Cellular Proteomics</i> , 2013, 12, 2126-2135.	2.5	16
120	NMR-Based Metabolomics and Its Application in Drug Metabolism and Cancer Research. <i>Current Pharmacology Reports</i> , 2016, 2, 231-240.	1.5	16
121	Evaluating the structural complexity of isomeric bile acids with ion mobility spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 4673-4682.	1.9	16
122	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.	0.5	16
123	Biochemistry and Physiology of the $\hat{1}^2$ Class Carbonic Anhydrase (Cpb) from <i>Clostridium perfringens</i> Strain 13. <i>Journal of Bacteriology</i> , 2013, 195, 2262-2269.	1.0	15
124	Metabolomics. <i>Toxicologic Pathology</i> , 2013, 41, 410-418.	0.9	14
125	Mass Spectrometry-Based Metabolomics Identifies Longitudinal Urinary Metabolite Profiles Predictive of Radiation-Induced Cancer. <i>Cancer Research</i> , 2016, 76, 1569-1577.	0.4	14
126	How gut microbiome interactions affect nutritional traits of <i>Drosophila melanogaster</i> . <i>Journal of Experimental Biology</i> , 2020, 223, .	0.8	14

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127	Modulation of urinary siderophores by the diet, gut microbiota and inflammation in mice. <i>Journal of Nutritional Biochemistry</i> , 2017, 41, 25-33.	1.9	13
128	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.	2.2	13
129	Retinoic Acid Mediated Clearance of <i>Citrobacter rodentium</i> in Vitamin A Deficient Mice Requires CD11b+ and T Cells. <i>Frontiers in Immunology</i> , 2019, 9, 3090.	2.2	13
130	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, 129-132.	1.6	12
131	Regulation of vitamin D metabolism following disruption of the microbiota using broad spectrum antibiotics. <i>Journal of Nutritional Biochemistry</i> , 2018, 56, 65-73.	1.9	12
132	A Quantitative HILIC-MS/MS Assay of the Metabolic Response of Huh-7 Cells Exposed to 2,3,7,8-Tetrachlorodibenzo-p-Dioxin. <i>Metabolites</i> , 2019, 9, 118.	1.3	12
133	Selenium-dependent metabolic reprogramming during inflammation and resolution. <i>Journal of Biological Chemistry</i> , 2021, 296, 100410.	1.6	12
134	The aryl hydrocarbon receptor activates ceramide biosynthesis in mice contributing to hepatic lipogenesis. <i>Toxicology</i> , 2021, 458, 152831.	2.0	12
135	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, 17507-17516.	1.6	10
136	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.	3.7	10
137	Metabolomic approaches reveal the role of CAR in energy metabolism. <i>Journal of Proteome Research</i> , 2018, 18, 239-251.	1.8	10
138	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.	2.4	10
139	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.	1.8	9
140	MDM2-Dependent Rewiring of Metabolomic and Lipidomic Profiles in Dedifferentiated Liposarcoma Models. <i>Cancers</i> , 2020, 12, 2157.	1.7	9
141	Quantitative Analysis of Bile Acid with UHPLC-MS/MS. <i>Methods in Molecular Biology</i> , 2021, 2194, 291-300.	0.4	9
142	Unraveling the role of peroxisome proliferator-activated receptor- γ (PPAR γ) expression in colon carcinogenesis. <i>Npj Precision Oncology</i> , 2019, 3, 26.	2.3	8
143	Lipocalin 2 deficiency-induced gut microbiota dysbiosis evokes metabolic syndrome in aged mice. <i>Physiological Genomics</i> , 2020, 52, 314-321.	1.0	8
144	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.	1.4	8

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145	Omics Approaches To Probe Microbiota and Drug Metabolism Interactions. <i>Chemical Research in Toxicology</i> , 2016, 29, 1987-1997.	1.7	7
146	Impaired recovery from peritoneal inflammation in a mouse model of mild dietary zinc restriction. <i>Molecular Nutrition and Food Research</i> , 2016, 60, 672-681.	1.5	7
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