

Andrew D Patterson

List of Publications by Year in descending order

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Version: 2024-02-01

166
papers

13,594
citations

19657
61
h-index

24982
109
g-index

187
all docs

187
docs citations

187
times ranked

18156
citing authors

#	ARTICLE	IF	CITATIONS
1	Aryl hydrocarbon receptor ligands in cancer: friend and foe. <i>Nature Reviews Cancer</i> , 2014, 14, 801-814.	28.4	653
2	Gut microbiota and intestinal FXR mediate the clinical benefits of metformin. <i>Nature Medicine</i> , 2018, 24, 1919-1929.	30.7	632
3	Microbiome remodelling leads to inhibition of intestinal farnesoid X receptor signalling and decreased obesity. <i>Nature Communications</i> , 2013, 4, 2384.	12.8	549
4	Intestinal farnesoid X receptor signaling promotes nonalcoholic fatty liver disease. <i>Journal of Clinical Investigation</i> , 2015, 125, 386-402.	8.2	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.	16.2	427
6	Intestine-selective farnesoid X receptor inhibition improves obesity-related metabolic dysfunction. <i>Nature Communications</i> , 2015, 6, 10166.	12.8	413
7	Gut microbiota-bile acid-interleukin-22 axis orchestrates polycystic ovary syndrome. <i>Nature Medicine</i> , 2019, 25, 1225-1233.	30.7	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.	7.3	348
9	Dysregulated Microbial Fermentation of Soluble Fiber Induces Cholestatic Liver Cancer. <i>Cell</i> , 2018, 175, 679-694.e22.	28.9	344
10	Ketogenic Diets Alter the Gut Microbiome Resulting in Decreased Intestinal Th17 Cells. <i>Cell</i> , 2020, 181, 1263-1275.e16.	28.9	292
11	Adaptation of the human aryl hydrocarbon receptor to sense microbiota-derived indoles. <i>Scientific Reports</i> , 2015, 5, 12689.	3.3	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.	6.0	262
13	An Intestinal Microbiota-Farnesoid X Receptor Axis Modulates Metabolic Disease. <i>Gastroenterology</i> , 2016, 151, 845-859.	1.3	254
14	Aberrant Lipid Metabolism in Hepatocellular Carcinoma Revealed by Plasma Metabolomics and Lipid Profiling. <i>Cancer Research</i> , 2011, 71, 6590-6600.	0.9	243
15	Disruption of phospholipid and bile acid homeostasis in mice with nonalcoholic steatohepatitis. <i>Hepatology</i> , 2012, 56, 118-129.	7.3	215
16	Xenobiotic Metabolomics: Major Impact on the Metabolome. <i>Annual Review of Pharmacology and Toxicology</i> , 2012, 52, 37-56.	9.4	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.	3.4	175
18	Lipid metabolism and lipophagy in cancer. <i>Biochemical and Biophysical Research Communications</i> , 2018, 504, 582-589.	2.1	175

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19	Microbial Metabolite Signaling Is Required for Systemic Iron Homeostasis. <i>Cell Metabolism</i> , 2020, 31, 115-130.e6.	16.2	172
20	Microbiota fermentation-NLRP3 axis shapes the impact of dietary fibres on intestinal inflammation. <i>Gut</i> , 2019, 68, 1801-1812.	12.1	157
21	The gut microbiome: an orchestrator of xenobiotic metabolism. <i>Acta Pharmaceutica Sinica B</i> , 2020, 10, 19-32.	12.0	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.	1.5	151
23	An Intestinal Farnesoid X Receptor–Ceramide Signaling Axis Modulates Hepatic Gluconeogenesis in Mice. <i>Diabetes</i> , 2017, 66, 613-626.	0.6	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.	6.5	142
25	Noninvasive Urinary Metabolomic Profiling Identifies Diagnostic and Prognostic Markers in Lung Cancer. <i>Cancer Research</i> , 2014, 74, 3259-3270.	0.9	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.	7.1	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.	3.4	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.	16.2	129
29	Lack of soluble fiber drives diet-induced adiposity in mice. <i>American Journal of Physiology - Renal Physiology</i> , 2015, 309, C528-C541.	3.4	128
30	The microbiome modulating activity of bile acids. <i>Gut Microbes</i> , 2020, 11, 979-996.	9.8	124
31	Intestinal microbiota-derived tryptophan metabolites are predictive of Ah receptor activity. <i>Gut Microbes</i> , 2020, 12, 1788899.	9.8	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.	5.4	122
33	Reversing methanogenesis to capture methane for liquid biofuel precursors. <i>Microbial Cell Factories</i> , 2016, 15, 11.	4.0	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.	1.3	111
35	Targeting Thioredoxin Reductase 1 Reduction in Cancer Cells Inhibits Self-Sufficient Growth and DNA Replication. <i>PLoS ONE</i> , 2007, 2, e1112.	2.5	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.	1.5	109

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37	Caloric restriction disrupts the microbiota and colonization resistance. <i>Nature</i> , 2021, 595, 272-277.	27.8	109
38	Activation of intestinal hypoxia-inducible factor 2 α during obesity contributes to hepatic steatosis. <i>Nature Medicine</i> , 2017, 23, 1298-1308.	30.7	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.	3.4	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.	7.3	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.	3.8	95
43	Farnesoid X Receptor Signaling Shapes the Gut Microbiota and Controls Hepatic Lipid Metabolism. <i>MSystems</i> , 2016, 1, .	3.8	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.	1.5	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.	1.5	92
46	Xenobiotic Metabolism: A View through the Metabolometer. <i>Chemical Research in Toxicology</i> , 2010, 23, 851-860.	3.3	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.	1.5	88
48	Lithocholic acid disrupts phospholipid and sphingolipid homeostasis leading to cholestasis in mice. <i>Hepatology</i> , 2011, 53, 1282-1293.	7.3	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.	3.4	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.	3.3	84
51	Aryl hydrocarbon receptor regulates the cholesterol biosynthetic pathway in a dioxin response element-independent manner. <i>Hepatology</i> , 2012, 55, 1994-2004.	7.3	81
52	Intestinal Farnesoid X Receptor Signaling Modulates Metabolic Disease. <i>Digestive Diseases</i> , 2017, 35, 178-184.	1.9	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.	10.0	80
54	Crucial Role of Macrophage Selenoproteins in Experimental Colitis. <i>Journal of Immunology</i> , 2014, 193, 3683-3692.	0.8	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.	3.4	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.	5.6	78
57	Metabolomics Identifies an Inflammatory Cascade Involved in Dioxin- and Diet-Induced Steatohepatitis. <i>Cell Metabolism</i> , 2012, 16, 634-644.	16.2	76
58	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.	3.5	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 Ppara-null Mouse Model. <i>Journal of Proteome Research</i> , 2011, 10, 4120-4133.	3.7	73
60	Bacterial colonization reprograms the neonatal gut metabolome. <i>Nature Microbiology</i> , 2020, 5, 838-847.	13.3	70
61	The Gut Microbiota Regulates Endocrine Vitamin D Metabolism through Fibroblast Growth Factor 23. <i>Frontiers in Immunology</i> , 2018, 9, 408.	4.8	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.	3.1	63
63	Metabolomics reveals an essential role for peroxisome proliferator-activated receptor α in bile acid homeostasis. <i>Journal of Lipid Research</i> , 2012, 53, 1625-1635.	4.2	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.	3.4	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.	3.4	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.	4.2	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.	6.5	58
69	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, 4176-4188.	3.7	57
70	Human Urinary Metabolomic Profile of PPAR α Induced Fatty Acid β -Oxidation. <i>Journal of Proteome Research</i> , 2009, 8, 4293-4300.	3.7	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.	2.9	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.	4.4	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.	3.3	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.	3.3	53
75	Microbial Determinants of Biochemical Individuality and Their Impact on Toxicology and Pharmacology. <i>Cell Metabolism</i> , 2014, 20, 761-768.	16.2	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.	1.5	52
77	Interplay Between the Host, the Human Microbiome, and Drug Metabolism. <i>Human Genomics</i> , 2019, 13, 27.	2.9	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.	2.7	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.	4.7	49
80	Ursodeoxycholic Acid (UDCA) Mitigates the Host Inflammatory Response during Clostridioides difficile Infection by Altering Gut Bile Acids. <i>Infection and Immunity</i> , 2020, 88, .	2.2	47
81	Modulation of Colon Cancer by Nutmeg. <i>Journal of Proteome Research</i> , 2015, 14, 1937-1946.	3.7	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.	4.8	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.	5.4	43
84	Perfluorooctane sulfonate alters gut microbiota-host metabolic homeostasis in mice. <i>Toxicology</i> , 2020, 431, 152365.	4.2	43
85	Metabolomics Reveals the Heterogeneous Secretome of Two Entomopathogenic Fungi to Ex Vivo Cultured Insect Tissues. <i>PLoS ONE</i> , 2013, 8, e70609.	2.5	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.	5.2	36
87	Impaired Intestinal Akkermansia muciniphila and Aryl Hydrocarbon Receptor Ligands Contribute to Nonalcoholic Fatty Liver Disease in Mice. <i>MSystems</i> , 2021, 6, .	3.8	35
88	Metabolomics reveals the metabolic map of procainamide in humans and mice. <i>Biochemical Pharmacology</i> , 2012, 83, 1435-1444.	4.4	34
89	Molecular Regulation of Carcinogenesis: Friend and Foe. <i>Toxicological Sciences</i> , 2018, 165, 277-283.	3.1	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.	4.4	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.	3.7	32
92	Vancomycin prevents fermentable fiber-induced liver cancer in mice with dysbiotic gut microbiota. <i>Gut Microbes</i> , 2020, 11, 1077-1091.	9.8	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.	16.2	31
94	Gadd34 Requirement for Normal Hemoglobin Synthesis. <i>Molecular and Cellular Biology</i> , 2006, 26, 1644-1653.	2.3	30
95	Fenofibrate Metabolism in the Cynomolgus Monkey using Ultrapformance Liquid Chromatography-Quadrupole Time-of-Flight Mass Spectrometry-Based Metabolomics. <i>Drug Metabolism and Disposition</i> , 2009, 37, 1157-1163.	3.3	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.	3.7	29
97	Current Challenges and Recent Developments in Mass Spectrometry-Based Metabolomics. <i>Annual Review of Analytical Chemistry</i> , 2021, 14, 467-487.	5.4	29
98	Inhibition of farnesoid X receptor signaling shows beneficial effects in human obesity. <i>Journal of Hepatology</i> , 2015, 62, 1234-1236.	3.7	28
99	The aryl hydrocarbon receptor as a moderator of host-microbiota communication. <i>Current Opinion in Toxicology</i> , 2017, 2, 30-35.	5.0	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.	2.5	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.	3.4	28
102	A review of analytical platforms for accurate bile acid measurement. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 4541-4549.	3.7	28
103	Kernel approaches for differential expression analysis of mass spectrometry-based metabolomics data. <i>BMC Bioinformatics</i> , 2015, 16, 77.	2.6	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.	2.9	26
105	The East Asian gut microbiome is distinct from colocalized White subjects and connected to metabolic health. <i>ELife</i> , 2021, 10, .	6.0	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.	3.1	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.	2.5	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. Gut Microbes, 2020, 12, 1848209.	9.8	22
110	Microbiota Metabolism Promotes Synthesis of the Human Ah Receptor Agonist 2,8-Dihydroxyquinoline. Journal of Proteome Research, 2019, 18, 1715-1724.	3.7	21
111	Antioxidant Drug Tempol Promotes Functional Metabolic Changes in the Gut Microbiota. Journal of Proteome Research, 2016, 15, 563-571.	3.7	20
112	Identification of serum insulin-like growth factor binding protein 1 as diagnostic biomarker for early-stage alcohol-induced liver disease. Journal of Translational Medicine, 2013, 11, 266.	4.4	19
113	A Cyp2a polymorphism predicts susceptibility to NNK-induced lung tumorigenesis in mice. Carcinogenesis, 2011, 32, 1279-1284.	2.8	18
114	The Ron Receptor Tyrosine Kinase Regulates Macrophage Heterogeneity and Plays a Protective Role in Diet-Induced Obesity, Atherosclerosis, and Hepatosteatosis. Journal of Immunology, 2016, 197, 256-265.	0.8	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. Journal of Nutrition, 2017, 147, 746-753.	2.9	18
116	The Human Transient Receptor Potential Melastatin 2 Ion Channel Modulates ROS Through Nrf2. Scientific Reports, 2019, 9, 14132.	3.3	18
117	Defective humoral immunity disrupts bile acid homeostasis which promotes inflammatory disease of the small bowel. Nature Communications, 2022, 13, 525.	12.8	18
118	Genomic Instability in <i>Gadd45a</i> ^{-/-} Cells is Coupled with S-Phase Checkpoint Defects. Cell Cycle, 2005, 4, 704-709.	2.6	17
119	Metabolomics Reveals That Tumor Xenografts Induce Liver Dysfunction. Molecular and Cellular Proteomics, 2013, 12, 2126-2135.	3.8	16
120	NMR-Based Metabolomics and Its Application in Drug Metabolism and Cancer Research. Current Pharmacology Reports, 2016, 2, 231-240.	3.0	16
121	Evaluating the structural complexity of isomeric bile acids with ion mobility spectrometry. Analytical and Bioanalytical Chemistry, 2019, 411, 4673-4682.	3.7	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. Contemporary Clinical Trials Communications, 2020, 18, 100560.	1.1	16
123	Biochemistry and Physiology of the \hat{I}^2 Class Carbonic Anhydrase (Cpb) from Clostridium perfringens Strain 13. Journal of Bacteriology, 2013, 195, 2262-2269.	2.2	15
124	Metabolomics. Toxicologic Pathology, 2013, 41, 410-418.	1.8	14
125	Mass Spectrometry-Based Metabolomics Identifies Longitudinal Urinary Metabolite Profiles Predictive of Radiation-Induced Cancer. Cancer Research, 2016, 76, 1569-1577.	0.9	14
126	How gut microbiome interactions affect nutritional traits of Drosophila melanogaster. Journal of Experimental Biology, 2020, 223, .	1.7	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.	4.2	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.	4.8	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.	4.8	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.	4.2	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.	2.9	12
133	Selenium-dependent metabolic reprogramming during inflammation and resolution. <i>Journal of Biological Chemistry</i> , 2021, 296, 100410.	3.4	12
134	The aryl hydrocarbon receptor activates ceramide biosynthesis in mice contributing to hepatic lipogenesis. <i>Toxicology</i> , 2021, 458, 152831.	4.2	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.	3.4	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.	5.5	10
137	Metabolomic approaches reveal the role of CAR in energy metabolism. <i>Journal of Proteome Research</i> , 2018, 18, 239-251.	3.7	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.	4.4	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.	3.7	9
140	MDM2-Dependent Rewiring of Metabolomic and Lipidomic Profiles in Dedifferentiated Liposarcoma Models. <i>Cancers</i> , 2020, 12, 2157.	3.7	9
141	Quantitative Analysis of Bile Acid with UHPLC-MS/MS. <i>Methods in Molecular Biology</i> , 2021, 2194, 291-300.	0.9	9
142	Unraveling the role of peroxisome proliferator-activated receptor- β/δ (PPAR β/δ) expression in colon carcinogenesis. <i>Npj Precision Oncology</i> , 2019, 3, 26.	5.4	8
143	Lipocalin 2 deficiency-induced gut microbiota dysbiosis evokes metabolic syndrome in aged mice. <i>Physiological Genomics</i> , 2020, 52, 314-321.	2.3	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.	2.8	8

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145	Omics Approaches To Probe Microbiota and Drug Metabolism Interactions. Chemical Research in Toxicology, 2016, 29, 1987-1997.	3.3	7
146	Impaired recovery from peritoneal inflammation in a mouse model of mild dietary zinc restriction. Molecular Nutrition and Food Research, 2016, 60, 672-681.	3.3	7
147	Impact of Facultative Bacteria on the Metabolic Function of an Obligate Insect-Bacterial Symbiosis. MBio, 2020, 11, .	4.1	7
148	A thermogenic fat-epithelium cell axis regulates intestinal disease tolerance. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 32029-32037.	7.1	7
149	Sample Preparation and Data Analysis for NMR-Based Metabolomics. Methods in Molecular Biology, 2021, 2194, 301-313.	0.9	7
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