Andrew D Patterson

List of Publications by Year
in descending order

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	Metabolomic profiling of stool of twoâ€year old children from the <scp>INSIGHT</scp> study reveals links between butyrate and child weight outcomes. Pediatric Obesity, 2022, 17, e12833.	2.8	8
2	Randomized Controlled-Feeding Study of Dietary Emulsifier Carboxymethylcellulose Reveals Detrimental Impacts on the Gut Microbiota and Metabolome. Gastroenterology, 2022, 162, 743-756.	1.3	111
3	The role of mouse and human peroxisome proliferator-activated receptor-Î± in modulating the hepatic effects of perfluorooctane sulfonate in mice. Toxicology, 2022, 465, 153056.	4.2	6
4	Defective humoral immunity disrupts bile acid homeostasis which promotes inflammatory disease of the small bowel. Nature Communications, 2022, 13, 525.	12.8	18
5	Multi-Omics Strategies for Investigating the Microbiome in Toxicology Research. Toxicological Sciences, 2022, 187, 189-213.	3.1	6
6	Bile acid metabolism and signaling, the microbiota, and metabolic disease. , 2022, 237, 108238.		62
7	Exercise Training Reverses Gut Dysbiosis in Patients With Biopsy-Proven Nonalcoholic Steatohepatitis: A Proof of Concept Study. Clinical Gastroenterology and Hepatology, 2021, 19, 1723-1725.	4.4	10
8	Roux-en-Y Gastric Bypass Surgery Has Early Differential Effects on Bile Acids and the Levels of Complement Component 3 and Acylation-Stimulating Protein. Obesity Surgery, 2021, 31, 773-780.	2.1	2
9	The Pretreatment Gut Microbiome Is Associated With LackÂof Response to Methotrexate in Newâ€Onset Rheumatoid Arthritis. Arthritis and Rheumatology, 2021, 73, 931-942.	5.6	78
10	Selenium-dependent metabolic reprogramming during inflammation and resolution. Journal of Biological Chemistry, 2021, 296, 100410.	3.4	12
11	Secondary bile acid ursodeoxycholic acid alters weight, the gut microbiota, and the bile acid pool in conventional mice. PLoS ONE, 2021, 16, e0246161.	2.5	24
12	Impaired Intestinal Akkermansia muciniphila and Aryl Hydrocarbon Receptor Ligands Contribute to Nonalcoholic Fatty Liver Disease in Mice. MSystems, 2021, 6, .	3.8	35
13	Caloric restriction disrupts the microbiota and colonization resistance. Nature, 2021, 595, 272-277.	27.8	109
14	Current Challenges and Recent Developments in Mass Spectrometryâ€"Based Metabolomics. Annual Review of Analytical Chemistry, 2021, 14, 467-487.	5.4	29
15	The aryl hydrocarbon receptor activates ceramide biosynthesis in mice contributing to hepatic lipogenesis. Toxicology, 2021, 458, 152831.	4.2	12
16	The East Asian gut microbiome is distinct from colocalized White subjects and connected to metabolic health. ELife, 2021, 10, .	6.0	25
17	Role of bile acids and gut bacteria in healthy ageing of centenarians. Nature, 2021, 599, 380-381.	27.8	6
18	Quantitative Analysis of Bile Acid with UHPLC-MS/MS. Methods in Molecular Biology, 2021, 2194, 291-300.	0.9	9

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19	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.	2.3	1
20	Sample Preparation and Data Analysis for NMR-Based Metabolomics. Methods in Molecular Biology, 2021, 2194, 301-313.	0.9	7
21	Microbial Metabolite Signaling Is Required for Systemic Iron Homeostasis. Cell Metabolism, 2020, 31, 115-130.e6.	16.2	172
22	The gut microbiome: an orchestrator of xenobiotic metabolism. Acta Pharmaceutica Sinica B, 2020, 10, 19-32.	12.0	154
23	Metatranscriptomic Analysis of the Mouse Gut Microbiome Response to the Persistent Organic Pollutant 2,3,7,8-Tetrachlorodibenzofuran. Metabolites, 2020, 10, 1.	2.9	55
24	How gut microbiome interactions affect nutritional traits of Drosophila melanogaster. Journal of Experimental Biology, 2020, 223, .	1.7	14
25	Impact of Facultative Bacteria on the Metabolic Function of an Obligate Insect-Bacterial Symbiosis. MBio, 2020, 11, .	4.1	7
26	MDM2-Dependent Rewiring of Metabolomic and Lipidomic Profiles in Dedifferentiated Liposarcoma Models. Cancers, 2020, 12, 2157.	3.7	9
27	Intestinal microbiota-derived tryptophan metabolites are predictive of Ah receptor activity. Gut Microbes, 2020, 12, 1788899.	9.8	123
28	Metabolic Profiling Reveals Aggravated Non-Alcoholic Steatohepatitis in High-Fat High-Cholesterol Diet-Fed Apolipoprotein E-Deficient Mice Lacking Ron Receptor Signaling. Metabolites, 2020, 10, 326.	2.9	3
29	Metabolic impact of persistent organic pollutants on gut microbiota. Gut Microbes, 2020, 12, 1848209.	9.8	22
30	The microbiome modulating activity of bile acids. Gut Microbes, 2020, 11, 979-996.	9.8	124
31	Vancomycin prevents fermentable fiber-induced liver cancer in mice with dysbiotic gut microbiota. Gut Microbes, 2020, 11, 1077-1091.	9.8	32
32	Lipocalin 2 deficiency-induced gut microbiota dysbiosis evokes metabolic syndrome in aged mice. Physiological Genomics, 2020, 52, 314-321.	2.3	8
33	Perfluorooctane sulfonate alters gut microbiota-host metabolic homeostasis in mice. Toxicology, 2020, 431, 152365.	4.2	43
34	Ursodeoxycholic Acid (UDCA) Mitigates the Host Inflammatory Response during Clostridioides difficile Infection by Altering Gut Bile Acids. Infection and Immunity, 2020, 88, .	2.2	47
35	Bacterial colonization reprograms the neonatal gut metabolome. Nature Microbiology, 2020, 5, 838-847.	13.3	70
36	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

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37	Ketogenic Diets Alter the Gut Microbiome Resulting in Decreased Intestinal Th17 Cells. Cell, 2020, 181, 1263-1275.e16.	28.9	292
38	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
39	Gender Differences in Phytoestrogens and the Relationship with Speed of Processing in Older Adults: A Cross-Sectional Analysis of NHANES, 1999â€“2002. Nutrients, 2019, 11, 1780.	4.1	6
40	Vitamin D Regulates the Microbiota to Control the Numbers of RORÎ³t/FoxP3+ Regulatory T Cells in the Colon. Frontiers in Immunology, 2019, 10, 1772.	4.8	44
41	Gut microbiotaâ€“bile acidâ€“interleukin-22 axis orchestrates polycystic ovary syndrome. Nature Medicine, 2019, 25, 1225-1233.	30.7	394
42	Isolation and Identification of Aryl Hydrocarbon Receptor Modulators in White Button Mushrooms (Agaricus bisporus). Journal of Agricultural and Food Chemistry, 2019, 67, 9286-9294.	5.2	6
43	Unraveling the role of peroxisome proliferator-activated receptor-Î²/Î´ (PPARÎ²/Î´) expression in colon carcinogenesis. Npj Precision Oncology, 2019, 3, 26.	5.4	8
44	Specialist and Generalist Fungal Parasites Induce Distinct Biochemical Changes in the Mandible Muscles of Their Host. International Journal of Molecular Sciences, 2019, 20, 4589.	4.1	5
45	The Human Transient Receptor Potential Melastatin 2 Ion Channel Modulates ROS Through Nrf2. Scientific Reports, 2019, 9, 14132.	3.3	18
46	Microbiota fermentation-NLRP3 axis shapes the impact of dietary fibres on intestinal inflammation. Gut, 2019, 68, 1801-1812.	12.1	157
47	Retinoic Acid Mediated Clearance of Citrobacter rodentium in Vitamin A Deficient Mice Requires CD11b+ and T Cells. Frontiers in Immunology, 2019, 9, 3090.	4.8	13
48	A review of analytical platforms for accurate bile acid measurement. Analytical and Bioanalytical Chemistry, 2019, 411, 4541-4549.	3.7	28
49	A Quantitative HILICâ€“MS/MS Assay of the Metabolic Response of Huh-7 Cells Exposed to 2,3,7,8-Tetrachlorodibenzo-p-Dioxin. Metabolites, 2019, 9, 118.	2.9	12
50	Interplay Between the Host, the Human Microbiome, and Drug Metabolism. Human Genomics, 2019, 13, 27.	2.9	52
51	Nutrient Sensing in CD11c Cells Alters the Gut Microbiota to Regulate Food Intake and Body Mass. Cell Metabolism, 2019, 30, 364-373.e7.	16.2	31
52	Evaluating the structural complexity of isomeric bile acids with ion mobility spectrometry. Analytical and Bioanalytical Chemistry, 2019, 411, 4673-4682.	3.7	16
53	Microbiota Metabolism Promotes Synthesis of the Human Ah Receptor Agonist 2,8-Dihydroxyquinoline. Journal of Proteome Research, 2019, 18, 1715-1724.	3.7	21
54	OP0119â€...THE PRE-TREATMENT GUT MICROBIOME PREDICTS EARLY RESPONSE TO RHEUMATOID ARTHRITIS THERAPY. , 2019, , .		2

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55	Gdf15 regulates murine stress erythroid progenitor proliferation and the development of the stress erythropoiesis niche. Blood Advances, 2019, 3, 2205-2217.	5.2	36
56	Berberine Directly Affects the Gut Microbiota to Promote Intestinal Farnesoid X Receptor Activation. Drug Metabolism and Disposition, 2019, 47, 86-93.	3.3	84
57	Metabolomics Reveals Aryl Hydrocarbon Receptor Activation Induces Liver and Mammary Gland Metabolic Dysfunction in Lactating Mice. Journal of Proteome Research, 2018, 17, 1375-1382.	3.7	9
58	Intestine farnesoid X receptor agonist and the gut microbiota activate Gâ€protein bile acid receptorâ€1 signaling to improve metabolism. Hepatology, 2018, 68, 1574-1588.	7.3	348
59	Regulation of vitamin D metabolism following disruption of the microbiota using broad spectrum antibiotics. Journal of Nutritional Biochemistry, 2018, 56, 65-73.	4.2	12
60	Lipid metabolism and lipophagy in cancer. Biochemical and Biophysical Research Communications, 2018, 504, 582-589.	2.1	175
61	Vitamin A deficiency in mice alters host and gut microbial metabolism leading to altered energy homeostasis. Journal of Nutritional Biochemistry, 2018, 54, 28-34.	4.2	60
62	Multiplatform Physiologic and Metabolic Phenotyping Reveals Microbial Toxicity. MSystems, 2018, 3, .	3.8	5
63	Gut microbiota and intestinal FXR mediate the clinical benefits of metformin. Nature Medicine, 2018, 24, 1919-1929.	30.7	632
64	Attenuation of Microbiotal Dysbiosis and Hypertension in a CRISPR/Cas9 Gene Ablation Rat Model of GPER1. Hypertension, 2018, 72, 1125-1132.	2.7	50
65	Dysregulated Microbial Fermentation of Soluble Fiber Induces Cholestatic Liver Cancer. Cell, 2018, 175, 679-694.e22.	28.9	344
66	Metabolomic approaches reveal the role of CAR in energy metabolism. Journal of Proteome Research, 2018, 18, 239-251.	3.7	10
67	Structural and Functional Analysis of the Gut Microbiome for Toxicologists. Current Protocols in Toxicology / Editorial Board, Mahin D Maines (editor-in-chief) [et Al], 2018, 78, e54.	1.1	6
68	Prebiotic effects of white button mushroom (Agaricus bisporus) feeding on succinate and intestinal gluconeogenesis in C57BL/6 mice. Journal of Functional Foods, 2018, 45, 223-232.	3.4	28
69	Molecular Regulation of Carcinogenesis: Friend and Foe. Toxicological Sciences, 2018, 165, 277-283.	3.1	34
70	The Gut Microbiota Regulates Endocrine Vitamin D Metabolism through Fibroblast Growth Factor 23. Frontiers in Immunology, 2018, 9, 408.	4.8	65
71	Neuroprotective Role of the Ron Receptor Tyrosine Kinase Underlying Central Nervous System Inflammation in Health and Disease. Frontiers in Immunology, 2018, 9, 513.	4.8	13
72	Ron Receptor Signaling Ameliorates Hepatic Fibrosis in a Diet-Induced Nonalcoholic Steatohepatitis Mouse Model. Journal of Proteome Research, 2018, 17, 3268-3280.	3.7	5

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73	Adding value to first-year undergraduate marketing education: team-based learning as a strategic response to changing modern educational environments. Journal of Strategic Marketing, 2017, 25, 138-151.	5.5	10
74	Intestinal Farnesoid X Receptor Signaling Modulates Metabolic Disease. Digestive Diseases, 2017, 35, 178-184.	1.9	81
75	The aryl hydrocarbon receptor as a moderator of host-microbiota communication. Current Opinion in Toxicology, 2017, 2, 30-35.	5.0	28
76	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
77	Modulation of urinary siderophores by the diet, gut microbiota and inflammation in mice. Journal of Nutritional Biochemistry, 2017, 41, 25-33.	4.2	13
78	Activation of intestinal hypoxia-inducible factor 2Î± during obesity contributes to hepatic steatosis. Nature Medicine, 2017, 23, 1298-1308.	30.7	108
79	Intermittent Fasting Promotes White Adipose Browning and Decreases Obesity by Shaping the GutÂMicrobiota. Cell Metabolism, 2017, 26, 672-685.e4.	16.2	427
80	Dietary broccoli impacts microbial community structure and attenuates chemically induced colitis in mice in an Ah receptor dependent manner. Journal of Functional Foods, 2017, 37, 685-698.	3.4	62
81	Orthogonal Comparison of GCâ€"MS and ¹H NMR Spectroscopy for Short Chain Fatty Acid Quantitation. Analytical Chemistry, 2017, 89, 7900-7906.	6.5	58
82	An Intestinal Farnesoid X Receptorâ€"Ceramide Signaling Axis Modulates Hepatic Gluconeogenesis in Mice. Diabetes, 2017, 66, 613-626.	0.6	151
83	Identification of a mouse Lactobacillus johnsonii strain with deconjugase activity against the FXR antagonist T-Î²-MCA. PLoS ONE, 2017, 12, e0183564.	2.5	28
84	An Intestinal Microbiotaâ€"Farnesoid X Receptor Axis Modulates Metabolic Disease. Gastroenterology, 2016, 151, 845-859.	1.3	254
85	Editorâ€™s Highlight: Perfluorooctane Sulfonate-Choline Ion Pair Formation: A Potential Mechanism Modulating Hepatic Steatosis and Oxidative Stress in Mice. Toxicological Sciences, 2016, 153, 186-197.	3.1	24
86	NMR-Based Metabolomics and Its Application in Drug Metabolism and Cancer Research. Current Pharmacology Reports, 2016, 2, 231-240.	3.0	16
87	Expression of the aryl hydrocarbon receptor contributes to the establishment of intestinal microbial community structure in mice. Scientific Reports, 2016, 6, 33969.	3.3	54
88	Omics Approaches To Probe Microbiota and Drug Metabolism Interactions. Chemical Research in Toxicology, 2016, 29, 1987-1997.	3.3	7
89	Farnesoid X Receptor Signaling Shapes the Gut Microbiota and Controls Hepatic Lipid Metabolism. MSystems, 2016, 1, .	3.8	95
90	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

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91	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
92	Metabolomics Reveals Altered Lipid Metabolism in a Mouse Model of Endometriosis. Journal of Proteome Research, 2016, 15, 2626-2633.	3.7	32
93	Mass Spectrometryâ€"Based Metabolomics Identifies Longitudinal Urinary Metabolite Profiles Predictive of Radiation-Induced Cancer. Cancer Research, 2016, 76, 1569-1577.	0.9	14
94	Reversing methanogenesis to capture methane for liquid biofuel precursors. Microbial Cell Factories, 2016, 15, 11.	4.0	116
95	Antioxidant Drug Tempol Promotes Functional Metabolic Changes in the Gut Microbiota. Journal of Proteome Research, 2016, 15, 563-571.	3.7	20
96	Adaptation of the human aryl hydrocarbon receptor to sense microbiota-derived indoles. Scientific Reports, 2015, 5, 12689.	3.3	274
97	Persistent Organic Pollutants Modify Gut Microbiotaâ€"Host Metabolic Homeostasis in Mice Through Aryl Hydrocarbon Receptor Activation. Environmental Health Perspectives, 2015, 123, 679-688.	6.0	262
98	Metabolomics Reveals that Aryl Hydrocarbon Receptor Activation by Environmental Chemicals Induces Systemic Metabolic Dysfunction in Mice. Environmental Science & Technology, 2015, 49, 8067-8077.	10.0	80
99	Intestine-selective farnesoid X receptor inhibition improves obesity-related metabolic dysfunction. Nature Communications, 2015, 6, 10166.	12.8	413
100	Quantitative Analysis of Purine Nucleotides Indicates That Purinosomes Increase de Novo Purine Biosynthesis. Journal of Biological Chemistry, 2015, 290, 6705-6713.	3.4	101
101	Inhibition of farnesoid X receptor signaling shows beneficial effects in human obesity. Journal of Hepatology, 2015, 62, 1234-1236.	3.7	28
102	Modulation of Colon Cancer by Nutmeg. Journal of Proteome Research, 2015, 14, 1937-1946.	3.7	44
103	Kernel approaches for differential expression analysis of mass spectrometry-based metabolomics data. BMC Bioinformatics, 2015, 16, 77.	2.6	27
104	Role of fibroblast growth factor 21 in the early stage of NASH induced by methionine- and choline-deficient diet. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2015, 1852, 1242-1252.	3.8	95
105	Microbiota-Dependent Hepatic Lipogenesis Mediated by Stearoyl CoA Desaturase 1 (SCD1) Promotes Metabolic Syndrome in TLR5-Deficient Mice. Cell Metabolism, 2015, 22, 983-996.	16.2	129
106	Lack of soluble fiber drives diet-induced adiposity in mice. American Journal of Physiology - Renal Physiology, 2015, 309, G528-G541.	3.4	128
107	Intestinal farnesoid X receptor signaling promotes nonalcoholic fatty liver disease. Journal of Clinical Investigation, 2015, 125, 386-402.	8.2	517
108	Crucial Role of Macrophage Selenoproteins in Experimental Colitis. Journal of Immunology, 2014, 193, 3683-3692.	0.8	79

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109	Noninvasive Urinary Metabolomic Profiling Identifies Diagnostic and Prognostic Markers in Lung Cancer. Cancer Research, 2014, 74, 3259-3270.	0.9	140
110	Aryl hydrocarbon receptor ligands in cancer: friend and foe. Nature Reviews Cancer, 2014, 14, 801-814.	28.4	653
111	Microbial Determinants of Biochemical Individuality and Their Impact on Toxicology and Pharmacology. Cell Metabolism, 2014, 20, 761-768.	16.2	53
112	Species-specific ant brain manipulation by a specialized fungal parasite. BMC Evolutionary Biology, 2014, 14, 166.	3.2	96
113	Mild Systemic Zinc Imbalance Delays Recovery in a Mouse Model of Surgically-Induced Ileus: Is it Driven by Disturbances in the Cytokine Network or Pro-Inflammatory Components of the Lipidome?. Journal of the American College of Surgeons, 2014, 219, S40-S41.	0.5	0
114	Microbiome remodelling leads to inhibition of intestinal farnesoid X receptor signalling and decreased obesity. Nature Communications, 2013, 4, 2384.	12.8	549
115	Stable Isotope- and Mass Spectrometry-based Metabolomics as Tools in Drug Metabolism: A Study Expanding Tempol Pharmacology. Journal of Proteome Research, 2013, 12, 1369-1376.	3.7	29
116	Disruption of Thioredoxin Reductase 1 Protects Mice from Acute Acetaminophen-Induced Hepatotoxicity through Enhanced NRF2 Activity. Chemical Research in Toxicology, 2013, 26, 1088-1096.	3.3	53
117	Metabolomics Reveals That Tumor Xenografts Induce Liver Dysfunction. Molecular and Cellular Proteomics, 2013, 12, 2126-2135.	3.8	16
118	Biochemistry and Physiology of the Î² Class Carbonic Anhydrase (Cpb) from Clostridium perfringens Strain 13. Journal of Bacteriology, 2013, 195, 2262-2269.	2.2	15
119	White Button Mushrooms Increase Microbial Diversity and Accelerate the Resolution of Citrobacter rodentium Infection in Mice. Journal of Nutrition, 2013, 143, 526-532.	2.9	26
120	Metabolomics. Toxicologic Pathology, 2013, 41, 410-418.	1.8	14
121	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
122	Metabolomics Reveals the Heterogeneous Secretome of Two Entomopathogenic Fungi to Ex Vivo Cultured Insect Tissues. PLoS ONE, 2013, 8, e70609.	2.5	38
123	Network Analysis of a Pkd1-Mouse Model of Autosomal Dominant Polycystic Kidney Disease Identifies HNF4Î± as a Disease Modifier. PLoS Genetics, 2012, 8, e1003053.	3.5	75
124	Role of the Ah Receptor in Homeostatic Control of Fatty Acid Synthesis in the Liver. Toxicological Sciences, 2012, 129, 372-379.	3.1	63
125	Metabolomics reveals an essential role for peroxisome proliferator-activated receptor Î± in bile acid homeostasis. Journal of Lipid Research, 2012, 53, 1625-1635.	4.2	63
126	Novel metabolites and roles for Î±-tocopherol in humans and mice discovered by mass spectrometryâ€"based metabolomics. American Journal of Clinical Nutrition, 2012, 96, 818-830.	4.7	49

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127	Abcb11 Deficiency Induces Cholestasis Coupled to Impaired Î²-Fatty Acid Oxidation in Mice. Journal of Biological Chemistry, 2012, 287, 24784-24794.	3.4	63
128	Radiation Metabolomics. 5. Identification of Urinary Biomarkers of Ionizing Radiation Exposure in Nonhuman Primates by Mass Spectrometry-Based Metabolomics. Radiation Research, 2012, 178, 328.	1.5	88
129	Metabolomics Identifies an Inflammatory Cascade Involved in Dioxin- and Diet-Induced Steatohepatitis. Cell Metabolism, 2012, 16, 634-644.	16.2	76
130	Aryl hydrocarbon receptor regulates the cholesterol biosynthetic pathway in a dioxin response element-independent manner. Hepatology, 2012, 55, 1994-2004.	7.3	81
131	Disruption of phospholipid and bile acid homeostasis in mice with nonalcoholic steatohepatitis. Hepatology, 2012, 56, 118-129.	7.3	215
132	Peroxisome proliferator-activated receptor alpha induction of uncoupling protein 2 protects against acetaminophen-induced liver toxicity. Hepatology, 2012, 56, 281-290.	7.3	95
133	Xenobiotic Metabolomics: Major Impact on the Metabolome. Annual Review of Pharmacology and Toxicology, 2012, 52, 37-56.	9.4	209
134	Metabolomics reveals the metabolic map of procainamide in humans and mice. Biochemical Pharmacology, 2012, 83, 1435-1444.	4.4	34
135	Radiation Metabolomics. 4. UPLC-ESI-QTOFMS-Based Metabolomics for Urinary Biomarker Discovery in Gamma-Irradiated Rats. Radiation Research, 2011, 175, 473-484.	1.5	92
136	PPAR action in insulin resistance unraveled by metabolomics: potential clinical implications. Genome Medicine, 2011, 3, 54.	8.2	1
137	UPLCâ€"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. Journal of Proteome Research, 2011, 10, 4120-4133.	3.7	73
138	Aberrant Lipid Metabolism in Hepatocellular Carcinoma Revealed by Plasma Metabolomics and Lipid Profiling. Cancer Research, 2011, 71, 6590-6600.	0.9	243
139	A comprehensive understanding of thioTEPA metabolism in the mouse using UPLCâ€"ESI-QTOFMS-based metabolomics. Biochemical Pharmacology, 2011, 81, 1043-1053.	4.4	32
140	Lithocholic acid disrupts phospholipid and sphingolipid homeostasis leading to cholestasis in mice. Hepatology, 2011, 53, 1282-1293.	7.3	86
141	Metabolomics Reveals Attenuation of the SLC6A20 Kidney Transporter in Nonhuman Primate and Mouse Models of Type 2 Diabetes Mellitus. Journal of Biological Chemistry, 2011, 286, 19511-19522.	3.4	78
142	A Cyp2a polymorphism predicts susceptibility to NNK-induced lung tumorigenesis in mice. Carcinogenesis, 2011, 32, 1279-1284.	2.8	18
143	Xenobiotic Metabolism: A View through the Metabolometer. Chemical Research in Toxicology, 2010, 23, 851-860.	3.3	88
144	Comparative metabolism of cyclophosphamide and ifosfamide in the mouse using UPLCâ€"ESI-QTOFMS-based metabolomics. Biochemical Pharmacology, 2010, 80, 1063-1074.	4.4	54

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145	Detection of radiation-exposure biomarkers by differential mobility prefiltered mass spectrometry (DMSâ€"MS). International Journal of Mass Spectrometry, 2010, 291, 108-117.	1.5	52
146	Metabolomics Identifies Novel Hnf1Î±-Dependent Physiological Pathways in Vivo. Molecular Endocrinology, 2010, 24, 2343-2355.	3.7	23
147	Identification of Noninvasive Biomarkers for Alcohol-Induced Liver Disease Using Urinary Metabolomics and the Ppara-null Mouse. Journal of Proteome Research, 2010, 9, 4176-4188.	3.7	57
148	Delineating the Role of Glutathione Peroxidase 4 in Protecting Cells Against Lipid Hydroperoxide Damage and in Alzheimer's Disease. Antioxidants and Redox Signaling, 2010, 12, 819-827.	5.4	122
149	Fenofibrate Metabolism in the Cynomolgus Monkey using Ultraperformance Liquid Chromatography-Quadrupole Time-of-Flight Mass Spectrometry-Based Metabolomics. Drug Metabolism and Disposition, 2009, 37, 1157-1163.	3.3	30
150	The role of mass spectrometry-based metabolomics in medical countermeasures against radiation. Mass Spectrometry Reviews, 2009, 29, n/a-n/a.	5.4	43
151	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. Radiation Research, 2009, 172, 198-212.	1.5	94
152	Radiation Metabolomics. 2. Dose- and Time-Dependent Urinary Excretion of Deaminated Purines and Pyrimidines after Sublethal Gamma-Radiation Exposure in Mice. Radiation Research, 2009, 172, 42-57.	1.5	109
153	Human Urinary Metabolomic Profile of PPARÎ± Induced Fatty Acid Î²-Oxidation. Journal of Proteome Research, 2009, 8, 4293-4300.	3.7	55
154	UPLC-ESI-TOFMS-Based Metabolomics and Gene Expression Dynamics Inspector Self-Organizing Metabolomic Maps as Tools for Understanding the Cellular Response to Ionizing Radiation. Analytical Chemistry, 2008, 80, 665-674.	6.5	142
155	Radiation Metabolomics. 1. Identification of Minimally Invasive Urine Biomarkers for Gamma-Radiation Exposure in Mice. Radiation Research, 2008, 170, 1-14.	1.5	151
156	The Nuclear Export Signal of Splicing Factor Uap56p Interacts with Nuclear Pore-associated Protein Rae1p for mRNA Export in Schizosaccharomyces pombe. Journal of Biological Chemistry, 2007, 282, 17507-17516.	3.4	10
157	Targeting Thioredoxin Reductase 1 Reduction in Cancer Cells Inhibits Self-Sufficient Growth and DNA Replication. PLoS ONE, 2007, 2, e1112.	2.5	109
158	Neural tube development requires the cooperation of p53- and Gadd45a-associated pathways. Birth Defects Research Part A: Clinical and Molecular Teratology, 2006, 76, 129-132.	1.6	12
159	Gadd34 Requirement for Normal Hemoglobin Synthesis. Molecular and Cellular Biology, 2006, 26, 1644-1653.	2.3	30
160	Gadd45a acts as a modifier locus for lymphoblastic lymphoma. Leukemia, 2005, 19, 847-850.	7.2	4
161	Deletion of XPC leads to lung tumors in mice and is associated with early events in human lung carcinogenesis. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 13200-13205.	7.1	135
162	Genomic Instability in Gadd45a^{-/-} Cells is Coupled with S-Phase Checkpoint Defects. Cell Cycle, 2005, 4, 704-709.	2.6	17

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163	Intra- and Intermolecular Domain Interactions of the C-terminal GTPase Effector Domain of the Multimeric Dynamin-like GTPase Drp1. Journal of Biological Chemistry, 2004, 279, 35967-35974.	3.4	175
164	Cellular Localization, Oligomerization, and Membrane Association of the Hereditary Spastic Paraplegia 3A (SPG3A) Protein Atlastin. Journal of Biological Chemistry, 2003, 278, 49063-49071.	3.4	130
165	A Nucleotide Excision Repair Master-Switch: p53 Regulated Coordinate Introduction of Global Genomic Repair Genes. Cancer Biology and Therapy, 2002, 1, 145-149.	3.4	84
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