

Tomoyoshi Soga

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2156175/publications.pdf>

Version: 2024-02-01

352
papers

26,443
citations

10351

72
h-index

8370

147
g-index

362
all docs

362
docs citations

362
times ranked

36156
citing authors

#	ARTICLE	IF	CITATIONS
1	Metabolic profiling of charged metabolites in association with menopausal status in Japanese community-dwelling midlife women: Tsuruoka Metabolomic Cohort Study. <i>Maturitas</i> , 2022, 155, 54-62.	1.0	7
2	Stemness and immune evasion conferred by the TDO2â€AHR pathway are associated with liver metastasis of colon cancer. <i>Cancer Science</i> , 2022, 113, 170-181.	1.7	25
3	Plant hvu-MIR168-3p enhances expression of glucose transporter 1 (SLC2A1) in human cells by silencing genes related to mitochondrial electron transport chain complex I. <i>Journal of Nutritional Biochemistry</i> , 2022, 101, 108922.	1.9	9
4	Hao1 Is Not a Pathogenic Factor for Ectopic Ossifications but Functions to Regulate the TCA Cycle In Vivo. <i>Metabolites</i> , 2022, 12, 82.	1.3	1
5	Group IIA secreted phospholipase A2 controls skin carcinogenesis and psoriasis by shaping the gut microbiota. <i>JCI Insight</i> , 2022, 7, .	2.3	24
6	Glucocorticoid imprints a low glucose metabolism onto CD8 T cells and induces the persistent suppression of the immune response. <i>Biochemical and Biophysical Research Communications</i> , 2022, 588, 34-40.	1.0	9
7	Four features of temporal patterns characterize similarity among individuals and molecules by glucose ingestion in humans. <i>Npj Systems Biology and Applications</i> , 2022, 8, 6.	1.4	5
8	Multi-omics-based label-free metabolic flux inference reveals obesity-associated dysregulatory mechanisms in liver glucose metabolism. <i>IScience</i> , 2022, 25, 103787.	1.9	11
9	Metabolic profiling of prostate cancer in skeletal microenvironments identifies G6PD as a key mediator of growth and survival. <i>Science Advances</i> , 2022, 8, eabf9096.	4.7	19
10	Surgical Treatment for Colorectal Cancer Partially Restores Gut Microbiome and Metabolome Traits. <i>MSystems</i> , 2022, 7, e0001822.	1.7	3
11	<i>Adenosylâ€Lâ€homocysteine extends lifespan through methionine restriction effects. <i>Aging Cell</i>, 2022, 21, e13604.</i>	3.0	12
12	Development of Fluorophosphoramidate as a Biocompatibly Transformable Functional Group and its Application as a Phosphate Prodrug for Nucleoside Analogs. <i>ChemMedChem</i> , 2022, 17, .	1.6	0
13	Tumor metabolic alterations after neoadjuvant chemoradiotherapy predict postoperative recurrence in patients with pancreatic cancer. <i>Japanese Journal of Clinical Oncology</i> , 2022, 52, 887-895.	0.6	4
14	Differing impact of phosphoglycerate mutase 1-deficiency on brown and white adipose tissue. <i>IScience</i> , 2022, 25, 104268.	1.9	2
15	Polarity protein SCRIB interacts with SLC3A2 to regulate proliferation and tamoxifen resistance in ER+ breast cancer. <i>Communications Biology</i> , 2022, 5, 403.	2.0	8
16	Different types of reactions to E7386 among colorectal cancer patientâ€derived organoids and corresponding CAFs. <i>Oncology Letters</i> , 2022, 24, .	0.8	0
17	AGE/RAGE axis regulates reversible transition to quiescent states of ALK-rearranged NSCLC and pancreatic cancer cells in monolayer cultures. <i>Scientific Reports</i> , 2022, 12, .	1.6	5
18	Comparative Metabolomics of Small Molecules Specifically Expressed in the Dorsal or Ventral Marginal Zones in Vertebrate Gastrula. <i>Metabolites</i> , 2022, 12, 566.	1.3	6

#	ARTICLE	IF	CITATIONS
19	Glutamine deficiency in solid tumor cells confers resistance to ribosomal RNA synthesis inhibitors. <i>Nature Communications</i> , 2022, 13, .	5.8	10
20	Salivary metabolomics with machine learning for colorectal cancer detection. <i>Cancer Science</i> , 2022, 113, 3234-3243.	1.7	11
21	Comprehensive metabolome analysis of intracellular metabolites in cultured cells. <i>STAR Protocols</i> , 2022, 3, 101531.	0.5	1
22	Artificial hibernation/life-protective state induced by thiazoline-related innate fear odors. <i>Communications Biology</i> , 2021, 4, 101.	2.0	17
23	L-type amino acid transporter 1 is associated with chemoresistance in breast cancer via the promotion of amino acid metabolism. <i>Scientific Reports</i> , 2021, 11, 589.	1.6	27
24	Charged metabolite biomarkers of food intake assessed via plasma metabolomics in a population-based observational study in Japan. <i>PLoS ONE</i> , 2021, 16, e0246456.	1.1	13
25	Reprogramming of glutamine metabolism via glutamine synthetase silencing induces cisplatin resistance in A2780 ovarian cancer cells. <i>BMC Cancer</i> , 2021, 21, 174.	1.1	28
26	Quantitative and Molecular Similarity Analyses of the Metabolites of Cold- and Hot-Natured Chinese Herbs. <i>Evidence-based Complementary and Alternative Medicine</i> , 2021, 2021, 1-10.	0.5	5
27	Cardiac mitofusin-1 is reduced in non-responding patients with idiopathic dilated cardiomyopathy. <i>Scientific Reports</i> , 2021, 11, 6722.	1.6	16
28	Trans-omic analysis reveals obesity-associated dysregulation of inter-organ metabolic cycles between the liver and skeletal muscle. <i>IScience</i> , 2021, 24, 102217.	1.9	21
29	MEK inhibition preferentially suppresses anchorage-independent growth in osteosarcoma cells and decreases tumors in vivo. <i>Journal of Orthopaedic Research</i> , 2021, 39, 2732-2743.	1.2	5
30	A Metabolomic Profile Predictive of New Osteoporosis or Sarcopenia Development. <i>Metabolites</i> , 2021, 11, 278.	1.3	10
31	Reliability of urinary charged metabolite concentrations in a large-scale cohort study using capillary electrophoresis-mass spectrometry. <i>Scientific Reports</i> , 2021, 11, 7407.	1.6	6
32	CE-MS-Based Identification of Uremic Solutes Specific to Hemodialysis Patients. <i>Toxins</i> , 2021, 13, 324.	1.5	2
33	Quality Assessment of Untargeted Analytical Data in a Large-Scale Metabolomic Study. <i>Journal of Clinical Medicine</i> , 2021, 10, 1826.	1.0	6
34	Methionine restriction breaks obligatory coupling of cell proliferation and death by an oncogene Src in <i>Drosophila</i> . <i>ELife</i> , 2021, 10, .	2.8	9
35	Metabolomic Analysis of Small Extracellular Vesicles Derived from Pancreatic Cancer Cells Cultured under Normoxia and Hypoxia. <i>Metabolites</i> , 2021, 11, 215.	1.3	16
36	Amino acid transporters as emerging therapeutic targets in cancer. <i>Cancer Science</i> , 2021, 112, 2958-2965.	1.7	39

#	ARTICLE	IF	CITATIONS
37	TGF- β -dependent reprogramming of amino acid metabolism induces epithelial \rightarrow mesenchymal transition in non-small cell lung cancers. <i>Communications Biology</i> , 2021, 4, 782.	2.0	29
38	De novo deoxyribonucleotide biosynthesis regulates cell growth and tumor progression in small-cell lung carcinoma. <i>Scientific Reports</i> , 2021, 11, 13474.	1.6	4
39	The CD44/COL17A1 pathway promotes the formation of multilayered, transformed epithelia. <i>Current Biology</i> , 2021, 31, 3086-3097.e7.	1.8	18
40	High-throughput screening of salivary polyamine markers for discrimination of colorectal cancer by multisegment injection capillary electrophoresis tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2021, 1652, 462355.	1.8	21
41	An extensive and dynamic trans-omic network illustrating prominent regulatory mechanisms in response to insulin in the liver. <i>Cell Reports</i> , 2021, 36, 109569.	2.9	7
42	Targeting Amino Acid Metabolic Reprogramming via L-Type Amino Acid Transporter 1 (LAT1) for Endocrine-Resistant Breast Cancer. <i>Cancers</i> , 2021, 13, 4375.	1.7	14
43	Empagliflozin maintains capillarization and improves cardiac function in a murine model of left ventricular pressure overload. <i>Scientific Reports</i> , 2021, 11, 18384.	1.6	18
44	Upregulation of Thymidylate Synthase Induces Pemetrexed Resistance in Malignant Pleural Mesothelioma. <i>Frontiers in Pharmacology</i> , 2021, 12, 718675.	1.6	8
45	Petasin potently inhibits mitochondrial complex I \rightarrow based metabolism that supports tumor growth and metastasis. <i>Journal of Clinical Investigation</i> , 2021, 131, .	3.9	19
46	Urinary Metabolome Analyses of Patients with Acute Kidney Injury Using Capillary Electrophoresis-Mass Spectrometry. <i>Metabolites</i> , 2021, 11, 671.	1.3	6
47	Basigin deficiency prevents anaplerosis and ameliorates insulin resistance and hepatosteatosis. <i>JCI Insight</i> , 2021, 6, .	2.3	3
48	Identification of the first highly selective inhibitor of human lactate dehydrogenase B. <i>Scientific Reports</i> , 2021, 11, 21353.	1.6	17
49	The guanylate cyclase C agonist linaclotide ameliorates the gut \rightarrow cardio \rightarrow renal axis in an adenine-induced mouse model of chronic kidney disease. <i>Nephrology Dialysis Transplantation</i> , 2020, 35, 250-264.	0.4	35
50	Inosine pranobex enhances human NK cell cytotoxicity by inducing metabolic activation and NKG2D ligand expression. <i>European Journal of Immunology</i> , 2020, 50, 130-137.	1.6	13
51	Lactate production is a prioritized feature of adipocyte metabolism. <i>Journal of Biological Chemistry</i> , 2020, 295, 83-98.	1.6	44
52	Sensory properties and metabolomic profiles of dry-cured ham during the ripening process. <i>Food Research International</i> , 2020, 129, 108850.	2.9	26
53	Trans-omic Analysis Reveals ROS-Dependent Pentose Phosphate Pathway Activation after High-Frequency Electrical Stimulation in C2C12 Myotubes. <i>IScience</i> , 2020, 23, 101558.	1.9	16
54	Kinetic Trans-omic Analysis Reveals Key Regulatory Mechanisms for Insulin-Regulated Glucose Metabolism in Adipocytes. <i>IScience</i> , 2020, 23, 101479.	1.9	17

#	ARTICLE	IF	CITATIONS
55	Pharmacologically targetable vulnerability in prostate cancer carrying RB1-SUCLA2 deletion. <i>Oncogene</i> , 2020, 39, 5690-5707.	2.6	7
56	Gut microbiota depletion by chronic antibiotic treatment alters the sleep/wake architecture and sleep EEG power spectra in mice. <i>Scientific Reports</i> , 2020, 10, 19554.	1.6	59
57	Transomics analysis reveals allosteric and gene regulation axes for altered hepatic glucose-responsive metabolism in obesity. <i>Science Signaling</i> , 2020, 13, .	1.6	21
58	Local Necrotic Cells Trigger Systemic Immune Activation via Gut Microbiome Dysbiosis in <i>Drosophila</i> . <i>Cell Reports</i> , 2020, 32, 107938.	2.9	20
59	Insulin signaling requires glucose to promote lipid anabolism in adipocytes. <i>Journal of Biological Chemistry</i> , 2020, 295, 13250-13266.	1.6	31
60	T cell-specific deletion of <i>Pgam1</i> reveals a critical role for glycolysis in T cell responses. <i>Communications Biology</i> , 2020, 3, 394.	2.0	23
61	Relationship between Standard Uptake Values of Positron Emission Tomography/Computed Tomography and Salivary Metabolites in Oral Cancer: A Pilot Study. <i>Journal of Clinical Medicine</i> , 2020, 9, 3958.	1.0	11
62	Comparison of the ischemic and non-ischemic lung cancer metabolome reveals hyper activity of the TCA cycle and autophagy. <i>Biochemical and Biophysical Research Communications</i> , 2020, 530, 285-291.	1.0	3
63	Comprehensive Dipeptide Analysis Revealed Cancer-Specific Profile in the Liver of Patients with Hepatocellular Carcinoma and Hepatitis. <i>Metabolites</i> , 2020, 10, 442.	1.3	15
64	Paternal restraint stress affects offspring metabolism via ATF-2 dependent mechanisms in <i>Drosophila melanogaster</i> germ cells. <i>Communications Biology</i> , 2020, 3, 208.	2.0	16
65	Effects of feed crops and boiling on chicken egg yolk and white determined by a metabolome analysis. <i>Food Chemistry</i> , 2020, 327, 127077.	4.2	18
66	Comprehensive Dipeptide Profiling and Quantitation by Capillary Electrophoresis and Liquid Chromatography Coupled with Tandem Mass Spectrometry. <i>Analytical Chemistry</i> , 2020, 92, 9799-9806.	3.2	16
67	Proteomic and metabolomic analyses uncover sex-specific regulatory pathways in mouse fetal germline differentiation. <i>Biology of Reproduction</i> , 2020, 103, 717-735.	1.2	7
68	EV11 triggers metabolic reprogramming associated with leukemogenesis and increases sensitivity to L-asparaginase. <i>Haematologica</i> , 2020, 105, 2118-2129.	1.7	17
69	Effect of blanching on the concentration of metabolites in two parts of <i>Undaria pinnatifida</i> , Wakame (leaf) and Mekabu (sporophyll). <i>Algal Research</i> , 2020, 47, 101829.	2.4	16
70	Adenosine leakage from perforin-burst extracellular vesicles inhibits perforin secretion by cytotoxic T-lymphocytes. <i>PLoS ONE</i> , 2020, 15, e0231430.	1.1	24
71	The use of a double coaxial electrospray ionization sprayer improves the peak resolutions of anionic metabolites in capillary ion chromatography-mass spectrometry. <i>Journal of Chromatography A</i> , 2020, 1619, 460914.	1.8	15
72	Quantification of Salivary Charged Metabolites using Capillary Electrophoresis Time-of-flight-mass Spectrometry. <i>Bio-protocol</i> , 2020, 10, e3797.	0.2	8

#	ARTICLE	IF	CITATIONS
73	Differences in peritoneal solute transport rates in peritoneal dialysis. <i>Clinical and Experimental Nephrology</i> , 2019, 23, 122-134.	0.7	10
74	Perioperative serum and urine metabolome analyses in patients with hepatocellular carcinoma undergoing partial hepatectomy. <i>Nutrition</i> , 2019, 58, 110-119.	1.1	5
75	Selective inhibition of mutant IDH1 by DS-1001b ameliorates aberrant histone modifications and impairs tumor activity in chondrosarcoma. <i>Oncogene</i> , 2019, 38, 6835-6849.	2.6	48
76	Metabolomic profiling reveals salivary hypotaurine as a potential early detection marker for medication-related osteonecrosis of the jaw. <i>PLoS ONE</i> , 2019, 14, e0220712.	1.1	20
77	IMP dehydrogenase-2 drives aberrant nucleolar activity and promotes tumorigenesis in glioblastoma. <i>Nature Cell Biology</i> , 2019, 21, 1003-1014.	4.6	107
78	A metabolic profile of routine needle biopsies identified tumor type specific metabolic signatures for breast cancer stratification: a pilot study. <i>Metabolomics</i> , 2019, 15, 147.	1.4	10
79	BCAA catabolism in brown fat controls energy homeostasis through SLC25A44. <i>Nature</i> , 2019, 572, 614-619.	13.7	332
80	Association between dyslipidemia and plasma levels of branched-chain amino acids in the Japanese population without diabetes mellitus. <i>Journal of Clinical Lipidology</i> , 2019, 13, 932-939.e2.	0.6	28
81	Metabolome Analysis Reveals Dermal Histamine Accumulation in Murine Dermatitis Provoked by Genetic Deletion of P-Glycoprotein and Breast Cancer Resistance Protein. <i>Pharmaceutical Research</i> , 2019, 36, 158.	1.7	12
82	Phosphoethanolamine Accumulation Protects Cancer Cells under Glutamine Starvation through Downregulation of PCYT2. <i>Cell Reports</i> , 2019, 29, 89-103.e7.	2.9	29
83	MITF controls the TCA cycle to modulate the melanoma hypoxia response. <i>Pigment Cell and Melanoma Research</i> , 2019, 32, 792-808.	1.5	41
84	Metagenomic and metabolomic analyses reveal distinct stage-specific phenotypes of the gut microbiota in colorectal cancer. <i>Nature Medicine</i> , 2019, 25, 968-976.	15.2	748
85	Metabolome profiling of various seaweed species discriminates between brown, red, and green algae. <i>Planta</i> , 2019, 249, 1921-1947.	1.6	29
86	Axis elongation during <i>Xenopus</i> tail-bud stage is regulated by GABA expressed in the anterior-to-mid neural tube. <i>International Journal of Developmental Biology</i> , 2019, 63, 37-43.	0.3	3
87	Gut microbiome-derived phenyl sulfate contributes to albuminuria in diabetic kidney disease. <i>Nature Communications</i> , 2019, 10, 1835.	5.8	173
88	Adaptation to HIF1 α Deletion in Hypoxic Cancer Cells by Upregulation of GLUT14 and Creatine Metabolism. <i>Molecular Cancer Research</i> , 2019, 17, 1531-1544.	1.5	22
89	Autophagy regulates lipid metabolism through selective turnover of NCoR1. <i>Nature Communications</i> , 2019, 10, 1567.	5.8	143
90	Metabolome Profiling of Growth Hormone Transgenic Coho Salmon by Capillary Electrophoresis Time-of-Flight Mass Spectrometry. , 2019, , 223-234.		1

#	ARTICLE	IF	CITATIONS
91	Role of smooth muscle cell p53 in pulmonary arterial hypertension. PLoS ONE, 2019, 14, e0212889.	1.1	26
92	Characterization of cancer omics and drug perturbations in panels of lung cancer cells. Scientific Reports, 2019, 9, 19529.	1.6	13
93	Carbonic anhydrase 2 (CAII) supports tumor blood endothelial cell survival under lactic acidosis in the tumor microenvironment. Cell Communication and Signaling, 2019, 17, 169.	2.7	39
94	Mutant IDH1 confers resistance to energy stress in normal biliary cells through PFKP-induced aerobic glycolysis and AMPK activation. Scientific Reports, 2019, 9, 18859.	1.6	18
95	Effects of inter-day and intra-day variation on salivary metabolomic profiles. Clinica Chimica Acta, 2019, 489, 41-48.	0.5	28
96	GLUT6 is a lysosomal transporter that is regulated by inflammatory stimuli and modulates glycolysis in macrophages. FEBS Letters, 2019, 593, 195-208.	1.3	44
97	Pyruvate dehydrogenase activation precedes the down-regulation of fatty acid oxidation in monocrotaline-induced myocardial toxicity in mice. Heart and Vessels, 2019, 34, 545-555.	0.5	5
98	Cancer stem-like properties and gefitinib resistance are dependent on purine synthetic metabolism mediated by the mitochondrial enzyme MTHFD2. Oncogene, 2019, 38, 2464-2481.	2.6	75
99	Metabolomics Platform with Capillary Electrophoresis Coupled with High-Resolution Mass Spectrometry for Plasma Analysis. Analytical Chemistry, 2019, 91, 1295-1301.	3.2	46
100	Amino Acid Analysis by Capillary Electrophoresis-Mass Spectrometry. Methods in Molecular Biology, 2019, 2030, 307-313.	0.4	4
101	Human AK2 links intracellular bioenergetic redistribution to the fate of hematopoietic progenitors. Biochemical and Biophysical Research Communications, 2018, 497, 719-725.	1.0	15
102	Microhomology-assisted scarless genome editing in human iPSCs. Nature Communications, 2018, 9, 939.	5.8	52
103	Changes of liver metabolites following hepatectomy with ischemia reperfusion towards liver regeneration. Annals of Gastroenterological Surgery, 2018, 2, 204-211.	1.2	11
104	Development of a sheathless CE-ESI-MS interface. Electrophoresis, 2018, 39, 1382-1389.	1.3	33
105	A Transient Rise in Free Mg ²⁺ Ions Released from ATP-Mg Hydrolysis Contributes to Mitotic Chromosome Condensation. Current Biology, 2018, 28, 444-451.e6.	1.8	116
106	Purine nucleotide metabolism regulates expression of the human immune ligand MICA. Journal of Biological Chemistry, 2018, 293, 3913-3924.	1.6	23
107	Thymidine catabolism promotes NADPH oxidase-derived reactive oxygen species (ROS) signalling in KB and yumoto cells. Scientific Reports, 2018, 8, 6760.	1.6	14
108	Lacking ketohexokinase-A exacerbates renal injury in streptozotocin-induced diabetic mice. Metabolism: Clinical and Experimental, 2018, 85, 161-170.	1.5	19

#	ARTICLE	IF	CITATIONS
109	PKM1 Confers Metabolic Advantages and Promotes Cell-Autonomous Tumor Cell Growth. <i>Cancer Cell</i> , 2018, 33, 355-367.e7.	7.7	121
110	Canagliflozin reduces plasma uremic toxins and alters the intestinal microbiota composition in a chronic kidney disease mouse model. <i>American Journal of Physiology - Renal Physiology</i> , 2018, 315, F824-F833.	1.3	84
111	Ketone body 3-hydroxybutyrate mimics calorie restriction via the Nrf2 activator, fumarate, in the retina. <i>Aging Cell</i> , 2018, 17, e12699.	3.0	37
112	Antioxidant role of autophagy in maintaining the integrity of glomerular capillaries. <i>Autophagy</i> , 2018, 14, 53-65.	4.3	49
113	A Metabologenomic Approach Reveals Changes in the Intestinal Environment of Mice Fed on American Diet. <i>International Journal of Molecular Sciences</i> , 2018, 19, 4079.	1.8	41
114	SRSF3, a Splicer of the PKM Gene, Regulates Cell Growth and Maintenance of Cancer-Specific Energy Metabolism in Colon Cancer Cells. <i>International Journal of Molecular Sciences</i> , 2018, 19, 3012.	1.8	72
115	A Metabolomic-Based Evaluation of the Role of Commensal Microbiota throughout the Gastrointestinal Tract in Mice. <i>Microorganisms</i> , 2018, 6, 101.	1.6	24
116	Beta-galactosidase-responsive synthetic biomarker for targeted tumor detection. <i>Chemical Communications</i> , 2018, 54, 11745-11748.	2.2	9
117	Metabolic Characterization of Antifolate Responsiveness and Non-responsiveness in Malignant Pleural Mesothelioma Cells. <i>Frontiers in Pharmacology</i> , 2018, 9, 1129.	1.6	7
118	Drying and extraction effects on three edible brown seaweeds for metabolomics. <i>Journal of Applied Phycology</i> , 2018, 30, 3335-3350.	1.5	17
119	Gamma-Aminobutyric Acid Signaling in Brown Adipose Tissue Promotes Systemic Metabolic Derangement in Obesity. <i>Cell Reports</i> , 2018, 24, 2827-2837.e5.	2.9	40
120	Trans-omic Analysis Reveals Selective Responses to Induced and Basal Insulin across Signaling, Transcriptional, and Metabolic Networks. <i>IScience</i> , 2018, 7, 212-229.	1.9	36
121	Metabolomics-based profiles predictive of low bone mass in menopausal women. <i>Bone Reports</i> , 2018, 9, 11-18.	0.2	33
122	Low tumor glutathione level as a sensitivity marker for glutamate-cysteine ligase inhibitors. <i>Oncology Letters</i> , 2018, 15, 8735-8743.	0.8	33
123	Elevated Polyamines in Saliva of Pancreatic Cancer. <i>Cancers</i> , 2018, 10, 43.	1.7	59
124	Urinary Polyamine Biomarker Panels with Machine-Learning Differentiated Colorectal Cancers, Benign Disease, and Healthy Controls. <i>International Journal of Molecular Sciences</i> , 2018, 19, 756.	1.8	42
125	Comparative analysis of cerebrospinal fluid metabolites in Alzheimer's disease and idiopathic normal pressure hydrocephalus in a Japanese cohort. <i>Biomarker Research</i> , 2018, 6, 5.	2.8	25
126	Effect of storage conditions on salivary polyamines quantified via liquid chromatography-mass spectrometry. <i>Scientific Reports</i> , 2018, 8, 12075.	1.6	31

#	ARTICLE	IF	CITATIONS
127	Reliability of plasma polar metabolite concentrations in a large-scale cohort study using capillary electrophoresis-mass spectrometry. <i>PLoS ONE</i> , 2018, 13, e0191230.	1.1	58
128	Folliculin Regulates Osteoclastogenesis Through Metabolic Regulation. <i>Journal of Bone and Mineral Research</i> , 2018, 33, 1785-1798.	3.1	21
129	Synthetic Biomarker Design by Using Analyte-Responsive Acetaminophen. <i>ChemBioChem</i> , 2017, 18, 910-913.	1.3	2
130	Sodium chloride promotes tissue inflammation via osmotic stimuli in subtotal-nephrectomized mice. <i>Laboratory Investigation</i> , 2017, 97, 432-446.	1.7	35
131	Evaluation of the impact of gut microbiota on uremic solute accumulation by a CE-TOFMS-based metabolomics approach. <i>Kidney International</i> , 2017, 92, 634-645.	2.6	173
132	Cell competition with normal epithelial cells promotes apical extrusion of transformed cells through metabolic changes. <i>Nature Cell Biology</i> , 2017, 19, 530-541.	4.6	172
133	Remodelling of microRNAs in colorectal cancer by hypoxia alters metabolism profiles and 5-fluorouracil resistance. <i>Human Molecular Genetics</i> , 2017, 26, 1552-1564.	1.4	47
134	Thymidine Catabolism as a Metabolic Strategy for Cancer Survival. <i>Cell Reports</i> , 2017, 19, 1313-1321.	2.9	43
135	Cancer with low cathepsin D levels is susceptible to vacuolar H ⁺ -ATPase inhibition. <i>Cancer Science</i> , 2017, 108, 1185-1193.	1.7	17
136	Modelling urea-cycle disorder citrullinemia type 1 with disease-specific iPSCs. <i>Biochemical and Biophysical Research Communications</i> , 2017, 486, 613-619.	1.0	22
137	Metabolomic Profiling as a Possible Reverse Engineering Tool for Estimating Processing Conditions of Dry-Cured Hams. <i>Journal of Agricultural and Food Chemistry</i> , 2017, 65, 402-410.	2.4	27
138	Cancer-Specific Energy Metabolism in Rhabdomyosarcoma Cells Is Regulated by MicroRNA. <i>Nucleic Acid Therapeutics</i> , 2017, 27, 365-377.	2.0	18
139	Fumarate Hydratase Deletion in Pancreatic β^2 Cells Leads to Progressive Diabetes. <i>Cell Reports</i> , 2017, 20, 3135-3148.	2.9	57
140	Global metabolic reprogramming of colorectal cancer occurs at adenoma stage and is induced by MYC. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E7697-E7706.	3.3	270
141	ACSL3 promotes intratumoral steroidogenesis in prostate cancer cells. <i>Cancer Science</i> , 2017, 108, 2011-2021.	1.7	50
142	Distinct requirements for energy metabolism in mouse primordial germ cells and their reprogramming to embryonic germ cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 8289-8294.	3.3	59
143	UCP1-independent signaling involving SERCA2b-mediated calcium cycling regulates beige fat thermogenesis and systemic glucose homeostasis. <i>Nature Medicine</i> , 2017, 23, 1454-1465.	15.2	429
144	Genetic, metabolomic and transcriptomic analyses of the de novo L-cysteine biosynthetic pathway in the enteric protozoan parasite <i>Entamoeba histolytica</i> . <i>Scientific Reports</i> , 2017, 7, 15649.	1.6	25

#	ARTICLE	IF	CITATIONS
145	A serum metabolomics-based profile in low bone mineral density postmenopausal women. <i>Bone</i> , 2017, 95, 1-4.	1.4	38
146	Dynamic Metabolomics Reveals that Insulin Primes the Adipocyte for Glucose Metabolism. <i>Cell Reports</i> , 2017, 21, 3536-3547.	2.9	55
147	Metabolomics of an <i>in vitro</i> liver model containing primary hepatocytes assembling around an endothelial cell network: comparative study on the metabolic stability and the effect of acetaminophen treatment. <i>Journal of Toxicological Sciences</i> , 2017, 42, 445-454.	0.7	7
148	Serum Metabolomic Profiles for Human Pancreatic Cancer Discrimination. <i>International Journal of Molecular Sciences</i> , 2017, 18, 767.	1.8	23
149	Inhibition of dipeptidyl peptidase-4 ameliorates cardiac ischemia and systolic dysfunction by up-regulating the FGF-2/EGR-1 pathway. <i>PLoS ONE</i> , 2017, 12, e0182422.	1.1	17
150	Effect of masticatory stimulation on the quantity and quality of saliva and the salivary metabolomic profile. <i>PLoS ONE</i> , 2017, 12, e0183109.	1.1	36
151	Succinate dehydrogenase B-deficient cancer cells are highly sensitive to bromodomain and extra-terminal inhibitors. <i>Oncotarget</i> , 2017, 8, 28922-28938.	0.8	22
152	The metabolic profile of a rat model of chronic kidney disease. <i>PeerJ</i> , 2017, 5, e3352.	0.9	18
153	Profiling of plasma metabolites in postmenopausal women with metabolic syndrome. <i>Menopause</i> , 2016, 23, 749-758.	0.8	34
154	Smad2/3 Proteins Are Required for Immobilization-induced Skeletal Muscle Atrophy. <i>Journal of Biological Chemistry</i> , 2016, 291, 12184-12194.	1.6	47
155	Stimulating <i>S</i>-adenosyl- <sc> </sc>-methionine synthesis extends lifespan via activation of AMPK. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 11913-11918.	3.3	35
156	Expression of Idh1R132H in the Murine Subventricular Zone Stem Cell Niche Recapitulates Features of Early Gliomagenesis. <i>Cancer Cell</i> , 2016, 30, 578-594.	7.7	122
157	Identification of biomarkers for development of end-stage kidney disease in chronic kidney disease by metabolomic profiling. <i>Scientific Reports</i> , 2016, 6, 26138.	1.6	50
158	Therapeutic Strategy for Targeting Aggressive Malignant Gliomas by Disrupting Their Energy Balance. <i>Journal of Biological Chemistry</i> , 2016, 291, 21496-21509.	1.6	31
159	Identification of salivary metabolomic biomarkers for oral cancer screening. <i>Scientific Reports</i> , 2016, 6, 31520.	1.6	147
160	Mitochondrial Mg ²⁺ homeostasis decides cellular energy metabolism and vulnerability to stress. <i>Scientific Reports</i> , 2016, 6, 30027.	1.6	107
161	Index markers of chronic fatigue syndrome with dysfunction of TCA and urea cycles. <i>Scientific Reports</i> , 2016, 6, 34990.	1.6	97
162	p62/Sqstm1 promotes malignancy of HCV-positive hepatocellular carcinoma through Nrf2-dependent metabolic reprogramming. <i>Nature Communications</i> , 2016, 7, 12030.	5.8	253

#	ARTICLE	IF	CITATIONS
163	Metabolome Analysis Based on Capillary Electrophoresis-Mass Spectrometry and Its Application. <i>Journal of the Mass Spectrometry Society of Japan</i> , 2016, 64, 61-64.	0.0	1
164	p38 β Activates Purine Metabolism to Initiate Hematopoietic Stem/Progenitor Cell Cycling in Response to Stress. <i>Cell Stem Cell</i> , 2016, 19, 192-204.	5.2	92
165	Metabolomic profiling reveals novel biomarkers of alcohol intake and alcohol-induced liver injury in community-dwelling men. <i>Environmental Health and Preventive Medicine</i> , 2016, 21, 18-26.	1.4	83
166	Metabolic Profiling of Total Physical Activity and Sedentary Behavior in Community-Dwelling Men. <i>PLoS ONE</i> , 2016, 11, e0164877.	1.1	50
167	Serum metabolome profiles characterized by patients with hepatocellular carcinoma associated with hepatitis B and C. <i>World Journal of Gastroenterology</i> , 2016, 22, 6224.	1.4	12
168	Metabolomic alterations in human cancer cells by vitamin C-induced oxidative stress. <i>Scientific Reports</i> , 2015, 5, 13896.	1.6	109
169	Effects of 3-styrylchromones on metabolic profiles and cell death in oral squamous cell carcinoma cells. <i>Toxicology Reports</i> , 2015, 2, 1281-1290.	1.6	33
170	Decreased miR122 in hepatocellular carcinoma leads to chemoresistance with increased arginine. <i>Oncotarget</i> , 2015, 6, 8339-8352.	0.8	43
171	Intensive DNA Replication and Metabolism during the Lag Phase in Cyanobacteria. <i>PLoS ONE</i> , 2015, 10, e0136800.	1.1	44
172	The Consumption of Bicarbonate-Rich Mineral Water Improves Glycemic Control. <i>Evidence-based Complementary and Alternative Medicine</i> , 2015, 2015, 1-10.	0.5	42
173	Potential Biomarkers of Fatigue Identified by Plasma Metabolome Analysis in Rats. <i>PLoS ONE</i> , 2015, 10, e0120106.	1.1	39
174	Alteration of the Intestinal Environment by Lubiprostone Is Associated with Amelioration of Adenine-Induced CKD. <i>Journal of the American Society of Nephrology: JASN</i> , 2015, 26, 1787-1794.	3.0	162
175	Alteration of metabolomic profiles by titanium dioxide nanoparticles in human gingivitis model. <i>Biomaterials</i> , 2015, 57, 33-40.	5.7	58
176	Cystathionine Is a Novel Substrate of Cystine/Glutamate Transporter. <i>Journal of Biological Chemistry</i> , 2015, 290, 8778-8788.	1.6	65
177	IDH2 and NPM1 Mutations Cooperate to Activate Hoxa9/Meis1 and Hypoxia Pathways in Acute Myeloid Leukemia. <i>Cancer Research</i> , 2015, 75, 2005-2016.	0.4	48
178	Effects of processing and storage conditions on charged metabolomic profiles in blood. <i>Electrophoresis</i> , 2015, 36, 2148-2155.	1.3	68
179	Acquisition of chemoresistance to gemcitabine is induced by a loss-of-function missense mutation of DCK. <i>Biochemical and Biophysical Research Communications</i> , 2015, 464, 1084-1089.	1.0	18
180	Capillary Electrophoresis-Mass Spectrometry. <i>Methods in Molecular Biology</i> , 2015, 1277, 113-122.	0.4	21

#	ARTICLE	IF	CITATIONS
181	Hypoxia induces a lipogenic cancer cell phenotype via HIF1 α -dependent and -independent pathways. <i>Oncotarget</i> , 2015, 6, 1920-1941.	0.8	72
182	CE-MS metabolomics to study cancer metabolism. <i>Denki Eido</i> , 2015, 59, 67-69.	0.0	0
183	Prolyl hydroxylase domain enzymes: important regulators of cancer metabolism. <i>Hypoxia (Auckland, N Z)</i> 19, 1078-1083.	1.9	45
184	Thymidine phosphorylase activates NF κ B and stimulates the expression of angiogenic and metastatic factors in human cancer cells. <i>Oncotarget</i> , 2014, 5, 10473-10485.	0.8	21
185	Mass Spectrometric Analysis of γ -Cysteine Metabolism: Physiological Role and Fate of γ -Cysteine in the Enteric Protozoan Parasite <i>Entamoeba histolytica</i> . <i>MBio</i> , 2014, 5, e01995.	1.8	33
186	Inhibition of ATP citrate lyase induces triglyceride accumulation with altered fatty acid composition in cancer cells. <i>International Journal of Cancer</i> , 2014, 135, 37-47.	2.3	52
187	Concise Review: Genetic Dissection of Hypoxia Signaling Pathways in Normal and Leukemic Stem Cells. <i>Stem Cells</i> , 2014, 32, 1390-1397.	1.4	27
188	Differences in the fatty acid metabolism of visceral adipose tissue in postmenopausal women. <i>Menopause</i> , 2014, 21, 170-176.	0.8	30
189	Necrosis-Driven Systemic Immune Response Alters SAM Metabolism through the FOXO-GNMT Axis. <i>Cell Reports</i> , 2014, 7, 821-833.	2.9	69
190	Metabolomic profiling of sodium fluoride-induced cytotoxicity in an oral squamous cell carcinoma cell line. <i>Metabolomics</i> , 2014, 10, 270-279.	1.4	16
191	Metabolomic analysis of the effects of omeprazole and famotidine on aspirin-induced gastric injury. <i>Metabolomics</i> , 2014, 10, 995-1004.	1.4	11
192	Quantitative metabolome analysis profiles activation of glutaminolysis in glioma with IDH1 mutation. <i>Tumor Biology</i> , 2014, 35, 5911-5920.	0.8	95
193	Global metabolic network reorganization by adaptive mutations allows fast growth of <i>Escherichia coli</i> on glycerol. <i>Nature Communications</i> , 2014, 5, 3233.	5.8	80
194	Development of quantitative method for determination of γ -glutamyl peptides by capillary electrophoresis tandem mass spectrometry: An efficient approach avoiding matrix effect. <i>Journal of Chromatography A</i> , 2014, 1369, 161-169.	1.8	30
195	Metabolome analysis based on capillary electrophoresis-mass spectrometry. <i>TrAC - Trends in Analytical Chemistry</i> , 2014, 61, 215-222.	5.8	77
196	Reconstruction of Insulin Signal Flow from Phosphoproteome and Metabolome Data. <i>Cell Reports</i> , 2014, 8, 1171-1183.	2.9	82
197	Disturbed bipterin and folate metabolism in the <i>Qdpr</i> -deficient mouse. <i>FEBS Letters</i> , 2014, 588, 3924-3931.	1.3	34
198	Comparative metabolite profiling of foxglove aphids (<i>Aulacorthum solani</i> Kaltentbach) on leaves of resistant and susceptible soybean strains. <i>Molecular BioSystems</i> , 2014, 10, 909.	2.9	8

#	ARTICLE	IF	CITATIONS
199	Conformational Change in Transfer RNA Is an Early Indicator of Acute Cellular Damage. <i>Journal of the American Society of Nephrology: JASN</i> , 2014, 25, 2316-2326.	3.0	88
200	Hydroxyproline, a Serum Biomarker Candidate for Gastric Ulcer in Rats: A Comparison Study of Metabolic Analysis of Gastric Ulcer Models Induced by Ethanol, Stress, and Aspirin. <i>Biomarker Insights</i> , 2014, 9, BMI.S15918.	1.0	15
201	Fetal Growth Retardation and Lack of Hypotaurine in Ezrin Knockout Mice. <i>PLoS ONE</i> , 2014, 9, e105423.	1.1	15
202	Time resolved DNA occupancy dynamics during the respiratory oscillation uncover a global reset point in the yeast growth program. <i>Microbial Cell</i> , 2014, 1, 279-288.	1.4	9
203	Metabolomic profiling of lung and prostate tumor tissues by capillary electrophoresis time-of-flight mass spectrometry. <i>Metabolomics</i> , 2013, 9, 444-453.	1.4	128
204	Physiological and environmental parameters associated with mass spectrometry-based salivary metabolomic profiles. <i>Metabolomics</i> , 2013, 9, 454-463.	1.4	70
205	Metabolic and morphological changes of an oil accumulating trebouxiohycean alga in nitrogen-deficient conditions. <i>Metabolomics</i> , 2013, 9, 178-187.	1.4	72
206	Inhibition of Mitochondrial Aconitase by Succination in Fumarate Hydratase Deficiency. <i>Cell Reports</i> , 2013, 3, 689-700.	2.9	137
207	A Role for Cytosolic Fumarate Hydratase in Urea Cycle Metabolism and Renal Neoplasia. <i>Cell Reports</i> , 2013, 3, 1440-1448.	2.9	78
208	Metabolomic profiling of the response of susceptible and resistant soybean strains to foxglove aphid, <i>Aulacorthum solani</i> Kaltendach. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2013, 925, 95-103.	1.2	31
209	Biochemical and functional characterization of novel NADH kinase in the enteric protozoan parasite <i>Entamoeba histolytica</i> . <i>Biochimie</i> , 2013, 95, 309-319.	1.3	18
210	Regulation of Glycolysis by Pdk Functions as a Metabolic Checkpoint for Cell Cycle Quiescence in Hematopoietic Stem Cells. <i>Cell Stem Cell</i> , 2013, 12, 49-61.	5.2	659
211	Metabolomic study of Chilean biomining bacteria <i>Acidithiobacillus ferrooxidans</i> strain Wenelen and <i>Acidithiobacillus thiooxidans</i> strain Licanantay. <i>Metabolomics</i> , 2013, 9, 247-257.	1.4	39
212	Abundant Nucleostemin Expression Supports the Undifferentiated Properties of Germ Cell Tumors. <i>American Journal of Pathology</i> , 2013, 183, 592-603.	1.9	7
213	Time-resolved metabolomics of a novel trebouxiohycean alga using ¹³ CO ₂ feeding. <i>Journal of Bioscience and Bioengineering</i> , 2013, 116, 408-415.	1.1	11
214	Dynamics of serum metabolites in patients with chronic hepatitis C receiving pegylated interferon plus ribavirin: A metabolomics analysis. <i>Metabolism: Clinical and Experimental</i> , 2013, 62, 1577-1586.	1.5	20
215	Global metabolomic analysis of heart tissue in a hamster model for dilated cardiomyopathy. <i>Journal of Molecular and Cellular Cardiology</i> , 2013, 59, 76-85.	0.9	60
216	Metabolome profiling of floral scent production in <i>Petunia axillaris</i> . <i>Phytochemistry</i> , 2013, 90, 37-42.	1.4	12

#	ARTICLE	IF	CITATIONS
217	Inhibition of ATP Citrate Lyase Induces an Anticancer Effect via Reactive Oxygen Species. <i>American Journal of Pathology</i> , 2013, 182, 1800-1810.	1.9	44
218	Cancer metabolism: Key players in metabolic reprogramming. <i>Cancer Science</i> , 2013, 104, 275-281.	1.7	210
219	The selective control of glycolysis, gluconeogenesis and glycogenesis by temporal insulin patterns. <i>Molecular Systems Biology</i> , 2013, 9, 664.	3.2	83
220	Metabolic Profiling to Identify Potential Serum Biomarkers for Gastric Ulceration Induced by Nonsteroid Anti-Inflammatory Drugs. <i>Journal of Proteome Research</i> , 2013, 12, 1399-1407.	1.8	31
221	Autophagy protects kidney proximal tubule epithelial cells from mitochondrial metabolic stress. <i>Autophagy</i> , 2013, 9, 1876-1886.	4.3	46
222	The dynamics of cellular energetics during continuous yeast culture. , 2013, 2013, 2708-11.		9
223	Metabolomic profiling analysis reveals chamber-dependent metabolite patterns in the mouse heart. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2013, 305, H494-H505.	1.5	18
224	Capillary electrophoresis-mass spectrometry-based metabolome analysis of serum and saliva from neurodegenerative dementia patients. <i>Electrophoresis</i> , 2013, 34, 2865-2872.	1.3	99
225	Metabolome Analysis of Erythrocytes from Patients with Chronic Hepatitis C Reveals the Etiology of Ribavirin-Induced Hemolysis. <i>International Journal of Medical Sciences</i> , 2013, 10, 1575-1577.	1.1	9
226	Persistent Overexpression of Phosphoglycerate Mutase, a Glycolytic Enzyme, Modifies Energy Metabolism and Reduces Stress Resistance of Heart in Mice. <i>PLoS ONE</i> , 2013, 8, e72173.	1.1	29
227	Oncometabolites: linking altered metabolism with cancer. <i>Journal of Clinical Investigation</i> , 2013, 123, 3652-3658.	3.9	334
228	Dynamic Simulation and Metabolome Analysis of Long-Term Erythrocyte Storage in Adenine-Guanosine Solution. <i>PLoS ONE</i> , 2013, 8, e71060.	1.1	34
229	Changes of metabolic profiles in an oral squamous cell carcinoma cell line induced by eugenol. <i>In Vivo</i> , 2013, 27, 233-43.	0.6	17
230	Self-Enhancement of Hepatitis C Virus Replication by Promotion of Specific Sphingolipid Biosynthesis. <i>PLoS Pathogens</i> , 2012, 8, e1002860.	2.1	76
231	Acetaminophen-Induced Hepatotoxicity in a Liver Tissue Model Consisting of Primary Hepatocytes Assembling around an Endothelial Cell Network. <i>Drug Metabolism and Disposition</i> , 2012, 40, 169-177.	1.7	26
232	Dramatic Increase in Glycerol Biosynthesis upon Oxidative Stress in the Anaerobic Protozoan Parasite <i>Entamoeba histolytica</i> . <i>PLoS Neglected Tropical Diseases</i> , 2012, 6, e1831.	1.3	51
233	Extracellular metabolite dynamics and temporal organization of metabolic function in <i>E. coli</i> . , 2012, ,		4
234	Human blood metabolite timetable indicates internal body time. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 15036-15041.	3.3	188

#	ARTICLE	IF	CITATIONS
235	A Metabolomic Approach to Clarifying the Effect of AST-120 on 5/6 Nephrectomized Rats by Capillary Electrophoresis with Mass Spectrometry (CE-MS). <i>Toxins</i> , 2012, 4, 1309-1322.	1.5	31
236	The emerging role of fumarate as an oncometabolite. <i>Frontiers in Oncology</i> , 2012, 2, 85.	1.3	140
237	MMMDB: Mouse Multiple Tissue Metabolome Database. <i>Nucleic Acids Research</i> , 2012, 40, D809-D814.	6.5	60
238	L-Carnitine prevents the development of ventricular fibrosis and heart failure with preserved ejection fraction in hypertensive heart disease. <i>Journal of Hypertension</i> , 2012, 30, 1834-1844.	0.3	49
239	A medium-chain fatty acid as an alternative energy source in mouse preimplantation development. <i>Scientific Reports</i> , 2012, 2, 930.	1.6	21
240	Establishment of Basic Lipidomics Platforms for Discovery of Lipid Biomarkers. <i>Bunseki Kagaku</i> , 2012, 61, 501-512.	0.1	0
241	Serum Glycerophosphate Levels are Increased in Japanese Men with Type 2 Diabetes. <i>Internal Medicine</i> , 2012, 51, 545-551.	0.3	8
242	Bioinformatics Tools for Mass Spectroscopy-Based Metabolomic Data Processing and Analysis. <i>Current Bioinformatics</i> , 2012, 7, 96-108.	0.7	270
243	In vivo role of aldehyde reductase. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2012, 1820, 1787-1796.	1.1	34
244	Amino Acid Analysis by Capillary Electrophoresis-Mass Spectrometry. <i>Methods in Molecular Biology</i> , 2012, 828, 77-82.	0.4	14
245	Changes in the Charged Metabolite and Sugar Profiles of Pasteurized and Unpasteurized Japanese Sake with Storage. <i>Journal of Agricultural and Food Chemistry</i> , 2012, 60, 2586-2593.	2.4	58
246	Mitochondrial dysfunction associated with increased oxidative stress and α -synuclein accumulation in PARK2 iPSC-derived neurons and postmortem brain tissue. <i>Molecular Brain</i> , 2012, 5, 35.	1.3	333
247	Sheathless capillary electrophoresis-mass spectrometry with a high-sensitivity porous sprayer for cationic metabolome analysis. <i>Analyst, The</i> , 2012, 137, 5026.	1.7	67
248	Analysis of liver metabolism in a rat model of heart failure. <i>International Journal of Cardiology</i> , 2012, 161, 130-136.	0.8	35
249	Glycogen is the primary source of glucose during the lag phase of <i>E. coli</i> proliferation. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2012, 1824, 1442-1448.	1.1	31
250	Metabolomic profiling rationalized pyruvate efficacy in cybrid cells harboring MELAS mitochondrial DNA mutations. <i>Mitochondrion</i> , 2012, 12, 644-653.	1.6	17
251	Metabolic profiling reveals new serum biomarkers for differentiating diabetic nephropathy. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 404, 3101-3109.	1.9	163
252	Metabolic Profiling of the Protozoan Parasite <i>Entamoeba invadens</i> Revealed Activation of Unpredicted Pathway during Encystation. <i>PLoS ONE</i> , 2012, 7, e37740.	1.1	67

#	ARTICLE	IF	CITATIONS
253	Non-targeted metabolite profiling in activated macrophage secretion. <i>Metabolomics</i> , 2012, 8, 624-633.	1.4	80
254	Profiling of the charged metabolites of traditional herbal medicines using capillary electrophoresis time-of-flight mass spectrometry. <i>Metabolomics</i> , 2012, 8, 99-108.	1.4	25
255	mTORC1 is essential for leukemia propagation but not stem cell self-renewal. <i>Journal of Clinical Investigation</i> , 2012, 122, 2114-2129.	3.9	117
256	A Yeast Metabolite Extraction Protocol Optimised for Time-Series Analyses. <i>PLoS ONE</i> , 2012, 7, e44283.	1.1	33
257	Metabolomic anatomy of an animal model revealing homeostatic imbalances in dyslipidaemia. <i>Molecular BioSystems</i> , 2011, 7, 1217.	2.9	174
258	Hepatitis C Virus Infection Promotes Hepatic Gluconeogenesis through an NS5A-Mediated, FoxO1-Dependent Pathway. <i>Journal of Virology</i> , 2011, 85, 8556-8568.	1.5	84
259	Disruption of HIF-1 α in hepatocytes impairs glucose metabolism in diet-induced obesity mice. <i>Biochemical and Biophysical Research Communications</i> , 2011, 415, 445-449.	1.0	37
260	Serum metabolomics reveals β -glutamyl dipeptides as biomarkers for discrimination among different forms of liver disease. <i>Journal of Hepatology</i> , 2011, 55, 896-905.	1.8	217
261	Positive Autoregulation Delays the Expression Phase of Mammalian Clock Gene <i>Per2</i> . <i>PLoS ONE</i> , 2011, 6, e18663.	1.1	10
262	GTP-dependent RNA 5'-terminal phosphate cyclase from the hyperthermophilic archaeon <i>Pyrococcus furiosus</i> . <i>Genes To Cells</i> , 2011, 16, 1190-1199.	0.5	4
263	Renal Cyst Formation in <i>Fh1</i> -Deficient Mice Is Independent of the <i>Hif/Phd</i> Pathway: Roles for Fumarate in <i>KEAP1</i> Succination and <i>Nrf2</i> Signaling. <i>Cancer Cell</i> , 2011, 20, 524-537.	7.7	494
264	Metabolomic profiling of the autosomal dominant polycystic kidney disease rat model. <i>Clinical and Experimental Nephrology</i> , 2011, 15, 676-687.	0.7	24
265	A novel mechanism regulates H ₂ S and SO ₂ production in <i>Saccharomyces cerevisiae</i> . <i>Yeast</i> , 2011, 28, 109-121.	0.8	20
266	Transcriptional Regulation of Organic Anion Transporting Polypeptide <i>SLCO4C1</i> as a New Therapeutic Modality to Prevent Chronic Kidney Disease. <i>Journal of Pharmaceutical Sciences</i> , 2011, 100, 3696-3707.	1.6	34
267	Sex-dependent hepatic transcripts and metabolites in the development of glucose intolerance and insulin resistance in Zucker diabetic fatty rats. <i>Journal of Molecular Endocrinology</i> , 2011, 47, 129-143.	1.1	24
268	Autophagy Protects the Proximal Tubule from Degeneration and Acute Ischemic Injury. <i>Journal of the American Society of Nephrology: JASN</i> , 2011, 22, 902-913.	3.0	388
269	Differential metabolomics software for capillary electrophoresis-mass spectrometry data analysis. <i>Metabolomics</i> , 2010, 6, 27-41.	1.4	51
270	Capillary electrophoresis mass spectrometry-based saliva metabolomics identified oral, breast and pancreatic cancer-specific profiles. <i>Metabolomics</i> , 2010, 6, 78-95.	1.4	783

#	ARTICLE	IF	CITATIONS
271	Gene Knockout and Metabolome Analysis of Carnitine/Organic Cation Transporter OCTN1. <i>Pharmaceutical Research</i> , 2010, 27, 832-840.	1.7	168
272	Prediction of metabolite identity from accurate mass, migration time prediction and isotopic pattern information in CE-MS/MS data. <i>Electrophoresis</i> , 2010, 31, 2311-2318.	1.3	69
273	¹³ C metabolic flux analysis for batch culture of <i>Escherichia coli</i> and its <i>pyk</i> and <i>pgi</i> gene knockout mutants based on mass isotopomer distribution of intracellular metabolites. <i>Biotechnology Progress</i> , 2010, 26, 975-992.	1.3	92
274	MassBank: a public repository for sharing mass spectral data for life sciences. <i>Journal of Mass Spectrometry</i> , 2010, 45, 703-714.	0.7	1,831
275	Metabolomic Identification of the Target of the Filopodia Protrusion Inhibitor Glucopiericidin A. <i>Chemistry and Biology</i> , 2010, 17, 989-998.	6.2	39
276	A systematic survey of in vivo obligate chaperonin-dependent substrates. <i>EMBO Journal</i> , 2010, 29, 1552-1564.	3.5	156
277	Phylogenetic position of a rare loricated green alga, <i>Cephalomonas granulata</i> N. L. Higinb. (Volvocales, Chlorophyceae). <i>Phycological Research</i> , 2010, 58, 62-68.	0.8	12
278	Two Atypical l-Cysteine-regulated NADPH-dependent Oxidoreductases Involved in Redox Maintenance, l-Cystine and Iron Reduction, and Metronidazole Activation in the Enteric Protozoan <i>Entamoeba histolytica</i> . <i>Journal of Biological Chemistry</i> , 2010, 285, 26889-26899.	1.6	53
279	Functional Expression of Carnitine/Organic Cation Transporter OCTN1/SLC22A4 in Mouse Small Intestine and Liver. <i>Drug Metabolism and Disposition</i> , 2010, 38, 1665-1672.	1.7	58
280	Metabolome Analysis Revealed Increase in S-Methylcysteine and Phosphatidylisopropanolamine Synthesis upon l-Cysteine Deprivation in the Anaerobic Protozoan Parasite <i>Entamoeba histolytica</i> . <i>Journal of Biological Chemistry</i> , 2010, 285, 39160-39170.	1.6	43
281	Analysis of Metabolic Remodeling in Compensated Left Ventricular Hypertrophy and Heart Failure. <i>Circulation: Heart Failure</i> , 2010, 3, 420-430.	1.6	248
282	Metabolomic profiling of uremic solutes in CKD patients. <i>Hypertension Research</i> , 2010, 33, 944-952.	1.5	126
283	Cytotoxic effect of amide derivatives of trifluoromethionine against the enteric protozoan parasite <i>Entamoeba histolytica</i> . <i>International Journal of Antimicrobial Agents</i> , 2010, 35, 56-61.	1.1	38
284	Metabolomic Profiles and Sensory Attributes of Edamame under Various Storage Duration and Temperature Conditions. <i>Journal of Agricultural and Food Chemistry</i> , 2010, 58, 8418-8425.	2.4	62
285	Correlation between Sensory Evaluation Scores of Japanese <i>Sake</i> and Metabolome Profiles. <i>Journal of Agricultural and Food Chemistry</i> , 2010, 58, 374-383.	2.4	64
286	<i>Chlorogonium complexum</i> sp. nov. (Volvocales, Chlorophyceae), and morphological evolution of <i>Chlorogonium</i> . <i>European Journal of Phycology</i> , 2010, 45, 97-106.	0.9	5
287	Unveiling cellular biochemical reactions via metabolomics-driven approaches. <i>Current Opinion in Microbiology</i> , 2010, 13, 358-362.	2.3	29
288	Hypotaurine is an Energy-Saving Hepatoprotective Compound against Ischemia-Reperfusion Injury of the Rat Liver. <i>Journal of Clinical Biochemistry and Nutrition</i> , 2010, 46, 126-134.	0.6	34

#	ARTICLE	IF	CITATIONS
289	Degradation of ppGpp by Nudix Pyrophosphatase Modulates the Transition of Growth Phase in the Bacterium <i>Thermus thermophilus</i> . <i>Journal of Biological Chemistry</i> , 2009, 284, 15549-15556.	1.6	61
290	Mono-(2-ethylhexyl) phthalate Targets Glycogen Debranching Enzyme and Affects Glycogen Metabolism in Rat Testis. <i>Toxicological Sciences</i> , 2009, 109, 143-151.	1.4	19
291	Metabolite Profiling Reveals YihU as a Novel Hydroxybutyrate Dehydrogenase for Alternative Succinic Semialdehyde Metabolism in <i>Escherichia coli</i> . <i>Journal of Biological Chemistry</i> , 2009, 284, 16442-16451.	1.6	58
292	SLCO4C1 Transporter Eliminates Uremic Toxins and Attenuates Hypertension and Renal Inflammation. <i>Journal of the American Society of Nephrology: JASN</i> , 2009, 20, 2546-2555.	3.0	124
293	Cystathionine β -synthase as a carbon monoxide-sensitive regulator of bile excretion. <i>Hepatology</i> , 2009, 49, 141-150.	3.6	96
294	In silico modeling and metabolome analysis of long-stored erythrocytes to improve blood storage methods. <i>Journal of Biotechnology</i> , 2009, 144, 212-223.	1.9	46
295	Metabolomic Profiling of Anionic Metabolites by Capillary Electrophoresis Mass Spectrometry. <i>Analytical Chemistry</i> , 2009, 81, 6165-6174.	3.2	291
296	Quantitative Metabolome Profiling of Colon and Stomach Cancer Microenvironment by Capillary Electrophoresis Time-of-Flight Mass Spectrometry. <i>Cancer Research</i> , 2009, 69, 4918-4925.	0.4	822
297	HIF-1 α is necessary to support gluconeogenesis during liver regeneration. <i>Biochemical and Biophysical Research Communications</i> , 2009, 387, 789-794.	1.0	59
298	Systematic phenome analysis of <i>Escherichia coli</i> multiple ϵ -knockout mutants reveals hidden reactions in central carbon metabolism. <i>Molecular Systems Biology</i> , 2009, 5, 306.	3.2	143
299	Measurement of internal body time by blood metabolomics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 9890-9895.	3.3	246
300	Rescue of anaemia and autoimmune responses in <i>SOD1</i> -deficient mice by transgenic expression of human <i>SOD1</i> in erythrocytes. <i>Biochemical Journal</i> , 2009, 422, 313-320.	1.7	36
301	Metabolome Analysis of Colon Tumor Tissues by Capillary Electrophoresis Time-of-Flight Mass Spectrometer. <i>Journal of the Mass Spectrometry Society of Japan</i> , 2009, 57, 183-186.	0.0	1
302	Time-resolved metabolomics reveals metabolic modulation in rice foliage. <i>BMC Systems Biology</i> , 2008, 2, 51.	3.0	56
303	Development of Bottom-Fermenting <i>Saccharomyces</i> Strains That Produce High SO ₂ Levels, Using Integrated Metabolome and Transcriptome Analysis. <i>Applied and Environmental Microbiology</i> , 2008, 74, 2787-2796.	1.4	58
304	Metabolic Basis of the Transition from Cardiac Hypertrophy to Failure. <i>Journal of Molecular and Cellular Cardiology</i> , 2008, 45, S18.	0.9	0
305	Metabolic Profile of Liver from Rats with Hypertension and Heart Failure. <i>Journal of Molecular and Cellular Cardiology</i> , 2008, 45, S24.	0.9	0
306	Metabolomic Analysis of the Transition from Cardiac Hypertrophy to Failure. <i>Journal of Cardiac Failure</i> , 2008, 14, S153.	0.7	0

#	ARTICLE	IF	CITATIONS
307	Depiction of metabolome changes in histidine-starved <i>Escherichia coli</i> by CE-TOFMS. <i>Molecular BioSystems</i> , 2008, 4, 135-147.	2.9	243
308	Title is missing!. <i>Kagaku To Seibutsu</i> , 2008, 46, 228-229.	0.0	0
309	Roles of Hemoglobin Allostery in Hypoxia-induced Metabolic Alterations in Erythrocytes. <i>Journal of Biological Chemistry</i> , 2007, 282, 10731-10741.	1.6	83
310	Model-based Definition of Population Heterogeneity and Its Effects on Metabolism in Sporulating <i>Bacillus subtilis</i> . <i>Journal of Biochemistry</i> , 2007, 142, 183-191.	0.9	18
311	Multiple High-Throughput Analyses Monitor the Response of <i>E. coli</i> to Perturbations. <i>Science</i> , 2007, 316, 593-597.	6.0	694
312	Polymer Entrapment in Polymerized Silicate for Preparing Highly Stable Capillary Coatings for CE and CE-MS. <i>Analytical Chemistry</i> , 2007, 79, 7838-7844.	3.2	24
313	Capillary Electrophoresis-Mass Spectrometry for Metabolomics. <i>Methods in Molecular Biology</i> , 2007, 358, 129-137.	0.4	63
314	<i>E. coli</i> metabolomics: capturing the complexity of a "simple" model. <i>Topics in Current Genetics</i> , 2007, , 189-234.	0.7	3
315	P-BOSS: A new filtering method for treasure hunting in metabolomics. <i>Journal of Chromatography A</i> , 2007, 1159, 142-148.	1.8	8
316	Analysis of nucleotides by pressure-assisted capillary electrophoresis-mass spectrometry using silanol mask technique. <i>Journal of Chromatography A</i> , 2007, 1159, 125-133.	1.8	86
317	Metabolome analysis by capillary electrophoresis-mass spectrometry. <i>Journal of Chromatography A</i> , 2007, 1168, 237-246.	1.8	278
318	Direct measurement of isotopomer of intracellular metabolites using capillary electrophoresis time-of-flight mass spectrometry for efficient metabolic flux analysis. <i>Journal of Chromatography A</i> , 2007, 1159, 134-141.	1.8	66
319	Microelectrospray interface with coaxial sheath flow for high-resolution capillary electrophoresis/mass spectrometry separation. <i>Rapid Communications in Mass Spectrometry</i> , 2007, 21, 3579-3584.	0.7	13
320	Visualization of three-way comparisons of omics data. <i>BMC Bioinformatics</i> , 2007, 8, 72.	1.2	11
321	Metabolomics Approach for Enzyme Discovery. <i>Journal of Proteome Research</i> , 2006, 5, 1979-1987.	1.8	73
322	Prediction of Liquid Chromatographic Retention Times of Peptides Generated by Protease Digestion of the <i>Escherichia coli</i> Proteome Using Artificial Neural Networks. <i>Journal of Proteome Research</i> , 2006, 5, 3312-3317.	1.8	54
323	S1d2-5 Carbon monoxide as a guardian for liver injury : novel mechanisms mined out by metabolome analyses (S1-d2: "Dynamical Structures and Signaling Mechanism of Sensor) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 102 Td (Meta S116.	0.0	0
324	HybGFS: a hybrid method for genome-fingerprint scanning. <i>BMC Bioinformatics</i> , 2006, 7, 479.	1.2	1

#	ARTICLE	IF	CITATIONS
325	MathDAMP: a package for differential analysis of metabolite profiles. BMC Bioinformatics, 2006, 7, 530.	1.2	142
326	Differential Metabolomics Reveals Ophthalmic Acid as an Oxidative Stress Biomarker Indicating Hepatic Glutathione Consumption*. Journal of Biological Chemistry, 2006, 281, 16768-16776.	1.6	640
327	Evaluation of Metabolic Alteration in Transgenic Rice Overexpressing Dihydroflavonol-4-reductase. Annals of Botany, 2006, 98, 819-825.	1.4	67
328	Conductivity detection in capillary zone electrophoresis: Inspection by PeakMaster. Electrophoresis, 2005, 26, 1948-1953.	1.3	53
329	Metabolome analysis and metabolic simulation. Metabolomics, 2005, 1, 29-37.	1.4	14
330	Large-Scale Prediction of Cationic Metabolite Identity and Migration Time in Capillary Electrophoresis Mass Spectrometry Using Artificial Neural Networks. Analytical Chemistry, 2005, 77, 78-84.	3.2	55
331	Simultaneous determination of the main metabolites in rice leaves using capillary electrophoresis mass spectrometry and capillary electrophoresis diode array detection. Plant Journal, 2004, 40, 151-163.	2.8	252
332	Qualitative and quantitative analysis of amino acids by capillary electrophoresis-electrospray ionization-tandem mass spectrometry. Electrophoresis, 2004, 25, 1964-1972.	1.3	128
333	Application of capillary electrophoresis-mass spectrometry to synthetic in vitro glycolysis studies. Electrophoresis, 2004, 25, 1996-2002.	1.3	28
334	Quantitative Metabolome Analysis Using Capillary Electrophoresis Mass Spectrometry. Journal of Proteome Research, 2003, 2, 488-494.	1.8	912
335	Development of CE-MS for Metabolomics.. Journal of the Mass Spectrometry Society of Japan, 2003, 51, 407-411.	0.0	2
336	Simultaneous Determination of Anionic Intermediates for Bacillus subtilis Metabolic Pathways by Capillary Electrophoresis Electrospray Ionization Mass Spectrometry. Analytical Chemistry, 2002, 74, 2233-2239.	3.2	448
337	Chapter 14 Analysis of carbohydrates in food and beverages by HPLC and CE. Journal of Chromatography Library, 2002, 66, 483-502.	0.1	8
338	Pressure-Assisted Capillary Electrophoresis Electrospray Ionization Mass Spectrometry for Analysis of Multivalent Anions. Analytical Chemistry, 2002, 74, 6224-6229.	3.2	141
339	Direct chiral resolution of malic acid in apple juice by ligand-exchange capillary electrophoresis using copper(II)-L-tartaric acid as a chiral selector. Electrophoresis, 2001, 22, 3286-3290.	1.3	37
340	Capillary electrophoresis method for the analysis of inorganic anions, organic acids, amino acids, nucleotides, carbohydrates and other anionic compounds. Electrophoresis, 2001, 22, 3418-3425.	1.3	140
341	Study on simultaneous determination methods for anions by capillary electrophoresis.. Bunseki Kagaku, 2000, 49, 645-646.	0.1	1
342	Direct chiral resolution of lactic acid in food products by capillary electrophoresis. Journal of Chromatography A, 2000, 875, 371-377.	1.8	47

#	ARTICLE	IF	CITATIONS
343	Amino Acid Analysis by Capillary Electrophoresis Electro spray Ionization Mass Spectrometry. Analytical Chemistry, 2000, 72, 1236-1241.	3.2	505
344	Simultaneous determination of inorganic anions, organic acids and metal cations by capillary electrophoresis. Journal of Chromatography A, 1999, 834, 65-71.	1.8	73
345	Simultaneous determination of inorganic anions, organic acids, amino acids and carbohydrates by capillary electrophoresis. Journal of Chromatography A, 1999, 837, 231-239.	1.8	143
346	Simultaneous Determination of Monosaccharides in Glycoproteins by Capillary Electrophoresis. Analytical Biochemistry, 1998, 261, 73-78.	1.1	84
347	Determination of Inorganic and Organic Anions in Beer and Wort by Capillary Electrophoresis. Journal of the American Society of Brewing Chemists, 1997, 55, 44-46.	0.8	16
348	Capillary electrophoretic determination of inorganic and organic anions using 2,6-pyridinedicarboxylic acid: effect of electrolyte's complexing ability. Journal of Chromatography A, 1997, 767, 223-230.	1.8	112
349	Analysis of halides, oxyhalides and metal oxoacids by capillary electrophoresis with suppressed electroosmotic flow. Journal of Chromatography A, 1995, 718, 421-428.	1.8	38
350	Determination of catecholamines in urine and plasma by on-line sample pretreatment using an internal surface boronic acid gel. Biomedical Applications, 1993, 620, 175-181.	1.7	24
351	Determination of carbohydrates by hydrophilic interaction chromatography with pulsed amperometric detection using postcolumn pH adjustment. Journal of Chromatography A, 1992, 625, 151-155.	1.8	25
352	CE-MS in Metabolomics. , 0, , 293-314.		0