Tomoyoshi Soga

List of Publications by Year
in descending order

352	26,443	10389 72	8396 147
papers	citations	h-index	g-index

362	362	362	36156
all docs	docs citations	times ranked	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. Maturitas, 2022, 155, 54-62.	2.4	7
2	Stemness and immune evasion conferred by the TDO2â€AHR pathway are associated with liver metastasis of colon cancer. Cancer Science, 2022, 113, 170-181.	3.9	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. Journal of Nutritional Biochemistry, 2022, 101, 108922.	4.2	9
4	Hao1 Is Not a Pathogenic Factor for Ectopic Ossifications but Functions to Regulate the TCA Cycle In Vivo. Metabolites, 2022, 12, 82.	2.9	1
5	Group IIA secreted phospholipase A2 controls skin carcinogenesis and psoriasis by shaping the gut microbiota. JCI Insight, 2022, 7, .	5.0	24
6	Glucocorticoid imprints a low glucose metabolism onto CD8 T cells and induces the persistent suppression of the immune response. Biochemical and Biophysical Research Communications, 2022, 588, 34-40.	2.1	9
7	Four features of temporal patterns characterize similarity among individuals and molecules by glucose ingestion in humans. Npj Systems Biology and Applications, 2022, 8, 6.	3.0	5
8	Multi-omics-based label-free metabolic flux inference reveals obesity-associated dysregulatory mechanisms in liver glucose metabolism. IScience, 2022, 25, 103787.	4.1	11
9	Metabolic profiling of prostate cancer in skeletal microenvironments identifies G6PD as a key mediator of growth and survival. Science Advances, 2022, 8, eabf9096.	10.3	19
10	Surgical Treatment for Colorectal Cancer Partially Restores Gut Microbiome and Metabolome Traits. MSystems, 2022, 7, e0001822.	3.8	3
11	Sâ€adenosylâ€Lâ€homocysteine extends lifespan through methionine restriction effects. Aging Cell, 2022, 21, e13604.	6.7	12
12	Development of Fluorophosphoramidate as a Biocompatibly Transformable Functional Group and its Application as a Phosphate Prodrug for Nucleoside Analogs. ChemMedChem, 2022, 17, .	3.2	0
13	Tumor metabolic alterations after neoadjuvant chemoradiotherapy predict postoperative recurrence in patients with pancreatic cancer. Japanese Journal of Clinical Oncology, 2022, 52, 887-895.	1.3	4
14	Differing impact of phosphoglycerate mutase 1-deficiency on brown and white adipose tissue. IScience, 2022, 25, 104268.	4.1	2
15	Polarity protein SCRIB interacts with SLC3A2 to regulate proliferation and tamoxifen resistance in ER+ breast cancer. Communications Biology, 2022, 5, 403.	4.4	8
16	Different types of reactions to E7386 among colorectal cancer patientâ€‘derived organoids and corresponding CAFs. Oncology Letters, 2022, 24, .	1.8	0
17	AGE/RAGE axis regulates reversible transition to quiescent states of ALK-rearranged NSCLC and pancreatic cancer cells in monolayer cultures. Scientific Reports, 2022, 12, .	3.3	5
18	Comparative Metabolomics of Small Molecules Specifically Expressed in the Dorsal or Ventral Marginal Zones in Vertebrate Gastrula. Metabolites, 2022, 12, 566.	2.9	6

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19	Glutamine deficiency in solid tumor cells confers resistance to ribosomal RNA synthesis inhibitors. Nature Communications, 2022, 13, .	12.8	10
20	Salivary metabolomics with machine learning for colorectal cancer detection. Cancer Science, 2022, 113, 3234-3243.	3.9	11
21	Comprehensive metabolome analysis of intracellular metabolites in cultured cells. STAR Protocols, 2022, 3, 101531.	1.2	1
22	Artificial hibernation/life-protective state induced by thiazoline-related innate fear odors. Communications Biology, 2021, 4, 101.	4.4	17
23	L-type amino acid transporter 1 is associated with chemoresistance in breast cancer via the promotion of amino acid metabolism. Scientific Reports, 2021, 11, 589.	3.3	27
24	Charged metabolite biomarkers of food intake assessed via plasma metabolomics in a population-based observational study in Japan. PLoS ONE, 2021, 16, e0246456.	2.5	13
25	Reprogramming of glutamine metabolism via glutamine synthetase silencing induces cisplatin resistance in A2780 ovarian cancer cells. BMC Cancer, 2021, 21, 174.	2.6	28
26	Quantitative and Molecular Similarity Analyses of the Metabolites of Cold- and Hot-Natured Chinese Herbs. Evidence-based Complementary and Alternative Medicine, 2021, 2021, 1-10.	1.2	5
27	Cardiac mitofusin-1 is reduced in non-responding patients with idiopathic dilated cardiomyopathy. Scientific Reports, 2021, 11, 6722.	3.3	16
28	Trans-omic analysis reveals obesity-associated dysregulation of inter-organ metabolic cycles between the liver and skeletal muscle. IScience, 2021, 24, 102217.	4.1	21
29	MEK inhibition preferentially suppresses anchorageâ€independent growth in osteosarcoma cells and decreases tumors in vivo. Journal of Orthopaedic Research, 2021, 39, 2732-2743.	2.3	5
30	A Metabolomic Profile Predictive of New Osteoporosis or Sarcopenia Development. Metabolites, 2021, 11, 278.	2.9	10
31	Reliability of urinary charged metabolite concentrations in a large-scale cohort study using capillary electrophoresis-mass spectrometry. Scientific Reports, 2021, 11, 7407.	3.3	6
32	CE-MS-Based Identification of Uremic Solutes Specific to Hemodialysis Patients. Toxins, 2021, 13, 324.	3.4	2
33	Quality Assessment of Untargeted Analytical Data in a Large-Scale Metabolomic Study. Journal of Clinical Medicine, 2021, 10, 1826.	2.4	6
34	Methionine restriction breaks obligatory coupling of cell proliferation and death by an oncogene Src in Drosophila. ELife, 2021, 10, .	6.0	9
35	Metabolomic Analysis of Small Extracellular Vesicles Derived from Pancreatic Cancer Cells Cultured under Normoxia and Hypoxia. Metabolites, 2021, 11, 215.	2.9	16
36	Amino acid transporters as emerging therapeutic targets in cancer. Cancer Science, 2021, 112, 2958-2965.	3.9	39

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37	TGF-Î²-dependent reprogramming of amino acid metabolism induces epithelialâ€“mesenchymal transition in non-small cell lung cancers. Communications Biology, 2021, 4, 782.	4.4	29
38	De novo deoxyribonucleotide biosynthesis regulates cell growth and tumor progression in small-cell lung carcinoma. Scientific Reports, 2021, 11, 13474.	3.3	4
39	The CD44/COL17A1 pathway promotes the formation of multilayered, transformed epithelia. Current Biology, 2021, 31, 3086-3097.e7.	3.9	18
40	High-throughput screening of salivary polyamine markers for discrimination of colorectal cancer by multisegment injection capillary electrophoresis tandem mass spectrometry. Journal of Chromatography A, 2021, 1652, 462355.	3.7	21
41	An extensive and dynamic trans-omic network illustrating prominent regulatory mechanisms in response to insulin in the liver. Cell Reports, 2021, 36, 109569.	6.4	7
42	Targeting Amino Acid Metabolic Reprogramming via L-Type Amino Acid Transporter 1 (LAT1) for Endocrine-Resistant Breast Cancer. Cancers, 2021, 13, 4375.	3.7	14
43	Empagliflozin maintains capillarization and improves cardiac function in a murine model of left ventricular pressure overload. Scientific Reports, 2021, 11, 18384.	3.3	18
44	Upregulation of Thymidylate Synthase Induces Pemetrexed Resistance in Malignant Pleural Mesothelioma. Frontiers in Pharmacology, 2021, 12, 718675.	3.5	8
45	Petasin potently inhibits mitochondrial complex Iâ€“based metabolism that supports tumor growth and metastasis. Journal of Clinical Investigation, 2021, 131, .	8.2	19
46	Urinary Metabolome Analyses of Patients with Acute Kidney Injury Using Capillary Electrophoresis-Mass Spectrometry. Metabolites, 2021, 11, 671.	2.9	6
47	Basigin deficiency prevents anaplerosis and ameliorates insulin resistance and hepatosteatosis. JCI Insight, 2021, 6, .	5.0	3
48	Identification of the first highly selective inhibitor of human lactate dehydrogenase B. Scientific Reports, 2021, 11, 21353.	3.3	17
49	The guanylate cyclase C agonist linaclotide ameliorates the gutâ€“cardioâ€“renal axis in an adenine-induced mouse model of chronic kidney disease. Nephrology Dialysis Transplantation, 2020, 35, 250-264.	0.7	35
50	Inosine pranobex enhances human NK cell cytotoxicity by inducing metabolic activation and NKG2D ligand expression. European Journal of Immunology, 2020, 50, 130-137.	2.9	13
51	Lactate production is a prioritized feature of adipocyte metabolism. Journal of Biological Chemistry, 2020, 295, 83-98.	3.4	44
52	Sensory properties and metabolomic profiles of dry-cured ham during the ripening process. Food Research International, 2020, 129, 108850.	6.2	26
53	Trans-omic Analysis Reveals ROS-Dependent Pentose Phosphate Pathway Activation after High-Frequency Electrical Stimulation in C2C12 Myotubes. IScience, 2020, 23, 101558.	4.1	16
54	Kinetic Trans-omic Analysis Reveals Key Regulatory Mechanisms for Insulin-Regulated Glucose Metabolism in Adipocytes. IScience, 2020, 23, 101479.	4.1	17

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55	Pharmacologically targetable vulnerability in prostate cancer carrying RB1-SUCLA2 deletion. Oncogene, 2020, 39, 5690-5707.	5.9	7
56	Gut microbiota depletion by chronic antibiotic treatment alters the sleep/wake architecture and sleep EEG power spectra in mice. Scientific Reports, 2020, 10, 19554.	3.3	59
57	Transomics analysis reveals allosteric and gene regulation axes for altered hepatic glucose-responsive metabolism in obesity. Science Signaling, 2020, 13, .	3.6	21
58	Local Necrotic Cells Trigger Systemic Immune Activation via Gut Microbiome Dysbiosis in Drosophila. Cell Reports, 2020, 32, 107938.	6.4	20
59	Insulin signaling requires glucose to promote lipid anabolism in adipocytes. Journal of Biological Chemistry, 2020, 295, 13250-13266.	3.4	31
60	T cell-specific deletion of Pgam1 reveals a critical role for glycolysis in T cell responses. Communications Biology, 2020, 3, 394.	4.4	23
61	Relationship between Standard Uptake Values of Positron Emission Tomography/Computed Tomography and Salivary Metabolites in Oral Cancer: A Pilot Study. Journal of Clinical Medicine, 2020, 9, 3958.	2.4	11
62	Comparison of the ischemic and non-ischemic lung cancer metabolome reveals hyper activity of the TCA cycle and autophagy. Biochemical and Biophysical Research Communications, 2020, 530, 285-291.	2.1	3
63	Comprehensive Dipeptide Analysis Revealed Cancer-Specific Profile in the Liver of Patients with Hepatocellular Carcinoma and Hepatitis. Metabolites, 2020, 10, 442.	2.9	15
64	Paternal restraint stress affects offspring metabolism via ATF-2 dependent mechanisms in Drosophila melanogaster germ cells. Communications Biology, 2020, 3, 208.	4.4	16
65	Effects of feed crops and boiling on chicken egg yolk and white determined by a metabolome analysis. Food Chemistry, 2020, 327, 127077.	8.2	18
66	Comprehensive Dipeptide Profiling and Quantitation by Capillary Electrophoresis and Liquid Chromatography Coupled with Tandem Mass Spectrometry. Analytical Chemistry, 2020, 92, 9799-9806.	6.5	16
67	Proteomic and metabolomic analyses uncover sex-specific regulatory pathways in mouse fetal germline differentiationâ€. Biology of Reproduction, 2020, 103, 717-735.	2.7	7
68	EVI1 triggers metabolic reprogramming associated with leukemogenesis and increases sensitivity to L-asparaginase. Haematologica, 2020, 105, 2118-2129.	3.5	17
69	Effect of blanching on the concentration of metabolites in two parts of Undaria pinnatifida, Wakame (leaf) and Mekabu (sporophyll). Algal Research, 2020, 47, 101829.	4.6	16
70	Adenosine leakage from perforin-burst extracellular vesicles inhibits perforin secretion by cytotoxic T-lymphocytes. PLoS ONE, 2020, 15, e0231430.	2.5	24
71	The use of a double coaxial electrospray ionization sprayer improves the peak resolutions of anionic metabolites in capillary ion chromatography-mass spectrometry. Journal of Chromatography A, 2020, 1619, 460914.	3.7	15
72	Quantification of Salivary Charged Metabolites using Capillary Electrophoresis Time-of-flight-mass Spectrometry. Bio-protocol, 2020, 10, e3797.	0.4	8

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73	Differences in peritoneal solute transport rates in peritoneal dialysis. Clinical and Experimental Nephrology, 2019, 23, 122-134.	1.6	10
74	Perioperative serum and urine metabolome analyses in patients with hepatocellular carcinoma undergoing partial hepatectomy. Nutrition, 2019, 58, 110-119.	2.4	5
75	Selective inhibition of mutant IDH1 by DS-1001b ameliorates aberrant histone modifications and impairs tumor activity in chondrosarcoma. Oncogene, 2019, 38, 6835-6849.	5.9	48
76	Metabolomic profiling reveals salivary hypotaurine as a potential early detection marker for medication-related osteonecrosis of the jaw. PLoS ONE, 2019, 14, e0220712.	2.5	20
77	IMP dehydrogenase-2 drives aberrant nucleolar activity and promotes tumorigenesis in glioblastoma. Nature Cell Biology, 2019, 21, 1003-1014.	10.3	107
78	A metabolic profile of routine needle biopsies identified tumor type specific metabolic signatures for breast cancer stratification: a pilot study. Metabolomics, 2019, 15, 147.	3.0	10
79	BCAA catabolism in brown fat controls energy homeostasis through SLC25A44. Nature, 2019, 572, 614-619.	27.8	332
80	Association between dyslipidemia and plasma levels of branched-chain amino acids in the Japanese population without diabetes mellitus. Journal of Clinical Lipidology, 2019, 13, 932-939.e2.	1.5	28
81	Metabolome Analysis Reveals Dermal Histamine Accumulation in Murine Dermatitis Provoked by Genetic Deletion of P-Glycoprotein and Breast Cancer Resistance Protein. Pharmaceutical Research, 2019, 36, 158.	3.5	12
82	Phosphoethanolamine Accumulation Protects Cancer Cells under Glutamine Starvation through Downregulation of PCYT2. Cell Reports, 2019, 29, 89-103.e7.	6.4	29
83	MITF controls the TCA cycle to modulate the melanoma hypoxia response. Pigment Cell and Melanoma Research, 2019, 32, 792-808.	3.3	41
84	Metagenomic and metabolomic analyses reveal distinct stage-specific phenotypes of the gut microbiota in colorectal cancer. Nature Medicine, 2019, 25, 968-976.	30.7	748
85	Metabolome profiling of various seaweed species discriminates between brown, red, and green algae. Planta, 2019, 249, 1921-1947.	3.2	29
86	Axis elongation during Xenopus tail-bud stage is regulated by GABA expressed in the anterior-to-mid neural tube. International Journal of Developmental Biology, 2019, 63, 37-43.	0.6	3
87	Gut microbiome-derived phenyl sulfate contributes to albuminuria in diabetic kidney disease. Nature Communications, 2019, 10, 1835.	12.8	173
88	Adaptation to HIF1Î± Deletion in Hypoxic Cancer Cells by Upregulation of GLUT14 and Creatine Metabolism. Molecular Cancer Research, 2019, 17, 1531-1544.	3.4	22
89	Autophagy regulates lipid metabolism through selective turnover of NCoR1. Nature Communications, 2019, 10, 1567.	12.8	143
90	Metabolome Profiling of Growth Hormone Transgenic Coho Salmon by Capillary Electrophoresis Time-of-Flight Mass Spectrometry. , 2019, , 223-234.		1

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91	Role of smooth muscle cell p53 in pulmonary arterial hypertension. PLoS ONE, 2019, 14, e0212889.	2.5	26
92	Characterization of cancer omics and drug perturbations in panels of lung cancer cells. Scientific Reports, 2019, 9, 19529.	3.3	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.	6.5	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.	3.3	18
95	Effects of inter-day and intra-day variation on salivary metabolomic profiles. Clinica Chimica Acta, 2019, 489, 41-48.	1.1	28
96	GLUT6 is a lysosomal transporter that is regulated by inflammatory stimuli and modulates glycolysis in macrophages. FEBS Letters, 2019, 593, 195-208.	2.8	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.	1.2	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.	5.9	75
99	Metabolomics Platform with Capillary Electrophoresis Coupled with High-Resolution Mass Spectrometry for Plasma Analysis. Analytical Chemistry, 2019, 91, 1295-1301.	6.5	46
100	Amino Acid Analysis by Capillary Electrophoresis-Mass Spectrometry. Methods in Molecular Biology, 2019, 2030, 307-313.	0.9	4
101	Human AK2 links intracellular bioenergetic redistribution to the fate of hematopoietic progenitors. Biochemical and Biophysical Research Communications, 2018, 497, 719-725.	2.1	15
102	Microhomology-assisted scarless genome editing in human iPSCs. Nature Communications, 2018, 9, 939.	12.8	52
103	Changes of liver metabolites following hepatectomy with ischemia reperfusion towards liver regeneration. Annals of Gastroenterological Surgery, 2018, 2, 204-211.	2.4	11
104	Development of a sheathless CEâ€ESIâ€MS interface. Electrophoresis, 2018, 39, 1382-1389.	2.4	33
105	A Transient Rise in Free Mg2+ Ions Released from ATP-Mg Hydrolysis Contributes to Mitotic Chromosome Condensation. Current Biology, 2018, 28, 444-451.e6.	3.9	116
106	Purine nucleotide metabolism regulates expression of the human immune ligand MICA. Journal of Biological Chemistry, 2018, 293, 3913-3924.	3.4	23
107	Thymidine catabolism promotes NADPH oxidase-derived reactive oxygen species (ROS) signalling in KB and yumoto cells. Scientific Reports, 2018, 8, 6760.	3.3	14
108	Lacking ketohexokinase-A exacerbates renal injury in streptozotocin-induced diabetic mice. Metabolism: Clinical and Experimental, 2018, 85, 161-170.	3.4	19

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109	PKM1 Confers Metabolic Advantages and Promotes Cell-Autonomous Tumor Cell Growth. Cancer Cell, 2018, 33, 355-367.e7.	16.8	121
110	Canagliflozin reduces plasma uremic toxins and alters the intestinal microbiota composition in a chronic kidney disease mouse model. American Journal of Physiology - Renal Physiology, 2018, 315, F824-F833.	2.7	84
111	Ketone body 3â€hydroxybutyrate mimics calorie restriction via the Nrf2 activator, fumarate, in the retina. Aging Cell, 2018, 17, e12699.	6.7	37
112	Antioxidant role of autophagy in maintaining the integrity of glomerular capillaries. Autophagy, 2018, 14, 53-65.	9.1	49
113	A Metabologenomic Approach Reveals Changes in the Intestinal Environment of Mice Fed on American Diet. International Journal of Molecular Sciences, 2018, 19, 4079.	4.1	41
114	SRSF3, a Splicer of the PKM Gene, Regulates Cell Growth and Maintenance of Cancer-Specific Energy Metabolism in Colon Cancer Cells. International Journal of Molecular Sciences, 2018, 19, 3012.	4.1	72
115	A Metabolomic-Based Evaluation of the Role of Commensal Microbiota throughout the Gastrointestinal Tract in Mice. Microorganisms, 2018, 6, 101.	3.6	24
116	Beta-galactosidase-responsive synthetic biomarker for targeted tumor detection. Chemical Communications, 2018, 54, 11745-11748.	4.1	9
117	Metabolic Characterization of Antifolate Responsiveness and Non-responsiveness in Malignant Pleural Mesothelioma Cells. Frontiers in Pharmacology, 2018, 9, 1129.	3.5	7
118	Drying and extraction effects on three edible brown seaweeds for metabolomics. Journal of Applied Phycology, 2018, 30, 3335-3350.	2.8	17
119	Gamma-Aminobutyric Acid Signaling in Brown Adipose Tissue Promotes Systemic Metabolic Derangement in Obesity. Cell Reports, 2018, 24, 2827-2837.e5.	6.4	40
120	Trans-omic Analysis Reveals Selective Responses to Induced and Basal Insulin across Signaling, Transcriptional, and Metabolic Networks. IScience, 2018, 7, 212-229.	4.1	36
121	Metabolomics-based profiles predictive of low bone mass in menopausal women. Bone Reports, 2018, 9, 11-18.	0.4	33
122	Low tumor glutathione level as a sensitivity marker for glutamateâ€‘cysteine ligase inhibitors. Oncology Letters, 2018, 15, 8735-8743.	1.8	33
123	Elevated Polyamines in Saliva of Pancreatic Cancer. Cancers, 2018, 10, 43.	3.7	59
124	Urinary Polyamine Biomarker Panels with Machine-Learning Differentiated Colorectal Cancers, Benign Disease, and Healthy Controls. International Journal of Molecular Sciences, 2018, 19, 756.	4.1	42
125	Comparative analysis of cerebrospinal fluid metabolites in Alzheimerâ€™s disease and idiopathic normal pressure hydrocephalus in a Japanese cohort. Biomarker Research, 2018, 6, 5.	6.8	25
126	Effect of storage conditions on salivary polyamines quantified via liquid chromatography-mass spectrometry. Scientific Reports, 2018, 8, 12075.	3.3	31

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127	Reliability of plasma polar metabolite concentrations in a large-scale cohort study using capillary electrophoresis-mass spectrometry. PLoS ONE, 2018, 13, e0191230.	2.5	58
128	Folliculin Regulates Osteoclastogenesis Through Metabolic Regulation. Journal of Bone and Mineral Research, 2018, 33, 1785-1798.	2.8	21
129	Synthetic Biomarker Design by Using Analyteâ€Responsive Acetaminophen. ChemBioChem, 2017, 18, 910-913.	2.6	2
130	Sodium chloride promotes tissue inflammation via osmotic stimuli in subtotal-nephrectomized mice. Laboratory Investigation, 2017, 97, 432-446.	3.7	35
131	Evaluation of the impact of gut microbiota on uremic solute accumulation by a CE-TOFMSâ€“based metabolomics approach. Kidney International, 2017, 92, 634-645.	5.2	173
132	Cell competition with normal epithelial cells promotes apical extrusion of transformed cells through metabolicÂchanges. Nature Cell Biology, 2017, 19, 530-541.	10.3	172
133	Remodelling of microRNAs in colorectal cancer by hypoxia alters metabolism profiles and 5-fluorouracil resistance. Human Molecular Genetics, 2017, 26, 1552-1564.	2.9	47
134	Thymidine Catabolism as a Metabolic Strategy for Cancer Survival. Cell Reports, 2017, 19, 1313-1321.	6.4	43
135	Cancer with low cathepsin D levels is susceptible to vacuolar (H⁺)â€ATPase inhibition. Cancer Science, 2017, 108, 1185-1193.	3.9	17
136	Modelling urea-cycle disorder citrullinemia type 1 with disease-specific iPSCs. Biochemical and Biophysical Research Communications, 2017, 486, 613-619.	2.1	22
137	Metabolomic Profiling as a Possible Reverse Engineering Tool for Estimating Processing Conditions of Dry-Cured Hams. Journal of Agricultural and Food Chemistry, 2017, 65, 402-410.	5.2	27
138	Cancer-Specific Energy Metabolism in Rhabdomyosarcoma Cells Is Regulated by MicroRNA. Nucleic Acid Therapeutics, 2017, 27, 365-377.	3.6	18
139	Fumarate Hydratase Deletion in Pancreatic Î² Cells Leads to Progressive Diabetes. Cell Reports, 2017, 20, 3135-3148.	6.4	57
140	Global metabolic reprogramming of colorectal cancer occurs at adenoma stage and is induced by MYC. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E7697-E7706.	7.1	270
141	<scp>ACSL</scp>3 promotes intratumoral steroidogenesis in prostate cancer cells. Cancer Science, 2017, 108, 2011-2021.	3.9	50
142	Distinct requirements for energy metabolism in mouse primordial germ cells and their reprogramming to embryonic germ cells. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 8289-8294.	7.1	59
143	UCP1-independent signaling involving SERCA2b-mediated calcium cycling regulates beige fat thermogenesis and systemic glucose homeostasis. Nature Medicine, 2017, 23, 1454-1465.	30.7	429
144	Genetic, metabolomic and transcriptomic analyses of the de novo L-cysteine biosynthetic pathway in the enteric protozoan parasite Entamoeba histolytica. Scientific Reports, 2017, 7, 15649.	3.3	25

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145	A serum metabolomics-based profile in low bone mineral density postmenopausal women. Bone, 2017, 95, 1-4.	2.9	38
146	Dynamic Metabolomics Reveals that Insulin Primes the Adipocyte for Glucose Metabolism. Cell Reports, 2017, 21, 3536-3547.	6.4	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. Journal of Toxicological Sciences, 2017, 42, 445-454.	1.5	7
148	Serum Metabolomic Profiles for Human Pancreatic Cancer Discrimination. International Journal of Molecular Sciences, 2017, 18, 767.	4.1	23
149	Inhibition of dipeptidyl peptidase-4 ameliorates cardiac ischemia and systolic dysfunction by up-regulating the FGF-2/EGR-1 pathway. PLoS ONE, 2017, 12, e0182422.	2.5	17
150	Effect of masticatory stimulation on the quantity and quality of saliva and the salivary metabolomic profile. PLoS ONE, 2017, 12, e0183109.	2.5	36
151	Succinate dehydrogenase B-deficient cancer cells are highly sensitive to bromodomain and extra-terminal inhibitors. Oncotarget, 2017, 8, 28922-28938.	1.8	22
152	The metabolic profile of a rat model of chronic kidney disease. PeerJ, 2017, 5, e3352.	2.0	18
153	Profiling of plasma metabolites in postmenopausal women with metabolic syndrome. Menopause, 2016, 23, 749-758.	2.0	34
154	Smad2/3 Proteins Are Required for Immobilization-induced Skeletal Muscle Atrophy. Journal of Biological Chemistry, 2016, 291, 12184-12194.	3.4	47
155	Stimulating S -adenosyl- <scp>l</scp> -methionine synthesis extends lifespan via activation of AMPK. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 11913-11918.	7.1	35
156	Expression of Idh1R132H in the Murine Subventricular Zone Stem Cell Niche Recapitulates Features of Early Gliomagenesis. Cancer Cell, 2016, 30, 578-594.	16.8	122
157	Identification of biomarkers for development of end-stage kidney disease in chronic kidney disease by metabolomic profiling. Scientific Reports, 2016, 6, 26138.	3.3	50
158	Therapeutic Strategy for Targeting Aggressive Malignant Gliomas by Disrupting Their Energy Balance. Journal of Biological Chemistry, 2016, 291, 21496-21509.	3.4	31
159	Identification of salivary metabolomic biomarkers for oral cancer screening. Scientific Reports, 2016, 6, 31520.	3.3	147
160	Mitochondrial Mg2+ homeostasis decides cellular energy metabolism and vulnerability to stress. Scientific Reports, 2016, 6, 30027.	3.3	107
161	Index markers of chronic fatigue syndrome with dysfunction of TCA and urea cycles. Scientific Reports, 2016, 6, 34990.	3.3	97
162	p62/Sqstm1 promotes malignancy of HCV-positive hepatocellular carcinoma through Nrf2-dependent metabolic reprogramming. Nature Communications, 2016, 7, 12030.	12.8	253

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163	Metabolome Analysis Based on Capillary Electrophoresis-Mass Spectrometry and Its Application. Journal of the Mass Spectrometry Society of Japan, 2016, 64, 61-64.	0.1	1
164	p38Î± Activates Purine Metabolism to Initiate Hematopoietic Stem/Progenitor Cell Cycling in Response to Stress. Cell Stem Cell, 2016, 19, 192-204.	11.1	92
165	Metabolomic profiling reveals novel biomarkers of alcohol intake and alcohol-induced liver injury in community-dwelling men. Environmental Health and Preventive Medicine, 2016, 21, 18-26.	3.4	83
166	Metabolic Profiling of Total Physical Activity and Sedentary Behavior in Community-Dwelling Men. PLoS ONE, 2016, 11, e0164877.	2.5	50
167	Serum metabolome profiles characterized by patients with hepatocellular carcinoma associated with hepatitis B and C. World Journal of Gastroenterology, 2016, 22, 6224.	3.3	12
168	Metabolomic alterations in human cancer cells by vitamin C-induced oxidative stress. Scientific Reports, 2015, 5, 13896.	3.3	109
169	Effects of 3-styrylchromones on metabolic profiles and cell death in oral squamous cell carcinoma cells. Toxicology Reports, 2015, 2, 1281-1290.	3.3	33
170	Decreased miR122 in hepatocellular carcinoma leads to chemoresistance with increased arginine. Oncotarget, 2015, 6, 8339-8352.	1.8	43
171	Intensive DNA Replication and Metabolism during the Lag Phase in Cyanobacteria. PLoS ONE, 2015, 10, e0136800.	2.5	44
172	The Consumption of Bicarbonate-Rich Mineral Water Improves Glycemic Control. Evidence-based Complementary and Alternative Medicine, 2015, 2015, 1-10.	1.2	42
173	Potential Biomarkers of Fatigue Identified by Plasma Metabolome Analysis in Rats. PLoS ONE, 2015, 10, e0120106.	2.5	39
174	Alteration of the Intestinal Environment by Lubiprostone Is Associated with Amelioration of Adenine-Induced CKD. Journal of the American Society of Nephrology: JASN, 2015, 26, 1787-1794.	6.1	162
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