

Masahiro Sugimoto

List of Publications by Year in descending order

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Version: 2024-02-01

158
papers

6,866
citations

81743

39
h-index

66788

78
g-index

163
all docs

163
docs citations

163
times ranked

10602
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	Differential diagnosis of lung cancer and benign lung lesion using salivary metabolites: A preliminary study. <i>Thoracic Cancer</i> , 2022, 13, 460-465.	0.8	15
3	Validation of Urinary Charged Metabolite Profiles in Colorectal Cancer Using Capillary Electrophoresis-Mass Spectrometry. <i>Metabolites</i> , 2022, 12, 59.	1.3	6
4	Perturbation of monoamine metabolism and enhanced fear responses in mice defective in the regeneration of tetrahydrobiopterin. <i>Journal of Neurochemistry</i> , 2022, .	2.1	1
5	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
6	Biomarkers for Alzheimer's Disease in the Current State: A Narrative Review. <i>International Journal of Molecular Sciences</i> , 2022, 23, 4962.	1.8	21
7	Salivary Metabolomics for Oral Cancer Detection: A Narrative Review. <i>Metabolites</i> , 2022, 12, 436.	1.3	14
8	Development of a highly sensitive Prussian-blue-based enzymatic biosensor for l-carnitine employing the thiol/disulfide exchange reaction. <i>Analytical Sciences</i> , 2022, 38, 963-968.	0.8	3
9	Long-Term Mastication Changed Salivary Metabolomic Profiles. <i>Metabolites</i> , 2022, 12, 660.	1.3	1
10	Salivary metabolomics with machine learning for colorectal cancer detection. <i>Cancer Science</i> , 2022, 113, 3234-3243.	1.7	11
11	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
12	Gene expression profiles of liver cancer cell lines reveal two hepatocyte-like and fibroblast-like clusters. <i>PLoS ONE</i> , 2021, 16, e0245939.	1.1	9
13	Bayesian approach for predicting responses to therapy from high-dimensional time-course gene expression profiles. <i>BMC Bioinformatics</i> , 2021, 22, 132.	1.2	1
14	Metabolomic Alteration of Oral Keratinocytes and Fibroblasts in Hypoxia. <i>Journal of Clinical Medicine</i> , 2021, 10, 1156.	1.0	2
15	Parents' Initiation of Alcohol Drinking among Elementary and Kindergarten Students. <i>Children</i> , 2021, 8, 258.	0.6	1
16	Cognitive Dysfunction in a Mouse Model of Cerebral Ischemia Influences Salivary Metabolomics. <i>Journal of Clinical Medicine</i> , 2021, 10, 1698.	1.0	8
17	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
18	Quality Assessment of Untargeted Analytical Data in a Large-Scale Metabolomic Study. <i>Journal of Clinical Medicine</i> , 2021, 10, 1826.	1.0	6

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19	Kernel weighted least square approach for imputing missing values of metabolomics data. <i>Scientific Reports</i> , 2021, 11, 11108.	1.6	7
20	Multi-Omics Analysis of Anti-Inflammatory Action of Alkaline Extract of the Leaves of <i>Sasa</i> sp.. <i>Journal of Clinical Medicine</i> , 2021, 10, 2100.	1.0	6
21	Correlation of Plasma Amino Acid and Anthropometric Profiles with Brown Adipose Tissue Density in Humans. <i>Journal of Clinical Medicine</i> , 2021, 10, 2339.	1.0	1
22	Time-Course of Salivary Metabolomic Profiles during Radiation Therapy for Head and Neck Cancer. <i>Journal of Clinical Medicine</i> , 2021, 10, 2631.	1.0	13
23	Optimization of prediction methods for risk assessment of pathogenic germline variants in the Japanese population. <i>Cancer Science</i> , 2021, 112, 3338-3348.	1.7	3
24	TGF- β 2-dependent reprogramming of amino acid metabolism induces epithelial-mesenchymal transition in non-small cell lung cancers. <i>Communications Biology</i> , 2021, 4, 782.	2.0	29
25	Feiyanning Formula Induces Apoptosis of Lung Adenocarcinoma Cells by Activating the Mitochondrial Pathway. <i>Frontiers in Oncology</i> , 2021, 11, 690878.	1.3	6
26	Editorial: Metabolomics in the Study of Unconventional Biological Matrices. <i>Frontiers in Chemistry</i> , 2021, 9, 736661.	1.8	1
27	Editorial of Special Issue "Metabolomic Analysis in Health and Diseases" <i>Journal of Clinical Medicine</i> , 2021, 10, 3491.	1.0	0
28	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
29	Machine Learning Approach for Intraocular Disease Prediction Based on Aqueous Humor Immune Mediator Profiles. <i>Ophthalmology</i> , 2021, 128, 1197-1208.	2.5	18
30	The Impact of m1A Methylation Modification Patterns on Tumor Immune Microenvironment and Prognosis in Oral Squamous Cell Carcinoma. <i>International Journal of Molecular Sciences</i> , 2021, 22, 10302.	1.8	19
31	Association between environmental cadmium exposure and plasma and urinary metabolite profiles in Japanese cohort study. <i>International Journal of Epidemiology</i> , 2021, 50, .	0.9	0
32	Phase separation and toxicity of C9orf72 poly(PR) depends on alternate distribution of arginine. <i>Journal of Cell Biology</i> , 2021, 220, .	2.3	21
33	Mathematical simulation of tumour angiogenesis: angiopoietin balance is a key factor in vessel growth and regression. <i>Scientific Reports</i> , 2021, 11, 419.	1.6	7
34	Differential Tissue Metabolic Signatures in IgG4-Related Ophthalmic Disease and Orbital Mucosa-Associated Lymphoid Tissue Lymphoma. , 2021, 62, 15.		8
35	Capillary Electrophoresis-Mass Spectrometry of Hydrophilic Metabolomics. <i>Neuromethods</i> , 2021, , 113-120.	0.2	1
36	Salivary Metabolomics for Prognosis of Oral Squamous Cell Carcinoma. <i>Frontiers in Oncology</i> , 2021, 11, 789248.	1.3	8

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37	The RNA Methylation Modification 5-Methylcytosine Impacts Immunity Characteristics, Prognosis and Progression of Oral Squamous Cell Carcinoma by Bioinformatics Analysis. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 760724.	2.0	11
38	Discrimination of oral squamous cell carcinoma from oral lichen planus by salivary metabolomics. <i>Oral Diseases</i> , 2020, 26, 35-42.	1.5	38
39	Sensory properties and metabolomic profiles of dry-cured ham during the ripening process. <i>Food Research International</i> , 2020, 129, 108850.	2.9	26
40	High-resolution imaging mass spectrometry combined with transcriptomic analysis identified a link between fatty acid composition of phosphatidylinositols and the immune checkpoint pathway at the primary tumour site of breast cancer. <i>British Journal of Cancer</i> , 2020, 122, 245-257.	2.9	27
41	Fatty Acid Synthesis Is Indispensable for Survival of Human Pluripotent Stem Cells. <i>IScience</i> , 2020, 23, 101535.	1.9	47
42	Electrochemical enzyme biosensor for carnitine detection based on cathodic stripping voltammetry. <i>Sensors and Actuators B: Chemical</i> , 2020, 321, 128473.	4.0	9
43	Urinary charged metabolite profiling of colorectal cancer using capillary electrophoresis-mass spectrometry. <i>Scientific Reports</i> , 2020, 10, 21057.	1.6	23
44	Existence of SARS-CoV-2 Entry Molecules in the Oral Cavity. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6000.	1.8	147
45	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
46	Serum Metabolomic Profiling of Patients with Non-Infectious Uveitis. <i>Journal of Clinical Medicine</i> , 2020, 9, 3955.	1.0	15
47	Salivary metabolomics with artificial intelligence-based methods for breast cancer detection and subtype prediction. <i>European Journal of Cancer</i> , 2020, 138, S18.	1.3	0
48	Salivary metabolomics for cancer detection. <i>Expert Review of Proteomics</i> , 2020, 17, 639-648.	1.3	22
49	Correlation-centred variable selection of a gene expression signature to predict breast cancer metastasis. <i>Scientific Reports</i> , 2020, 10, 7923.	1.6	5
50	Metabolomic profiling of tumor-infiltrating macrophages during tumor growth. <i>Cancer Immunology, Immunotherapy</i> , 2020, 69, 2357-2369.	2.0	14
51	Induction of in vitro Metabolic Zonation in Primary Hepatocytes Requires Both Near-Physiological Oxygen Concentration and Flux. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 524.	2.0	20
52	Relationships between plasma lipidomic profiles and brown adipose tissue density in humans. <i>International Journal of Obesity</i> , 2020, 44, 1387-1396.	1.6	15
53	Adenosine leakage from perforin-burst extracellular vesicles inhibits perforin secretion by cytotoxic T-lymphocytes. <i>PLoS ONE</i> , 2020, 15, e0231430.	1.1	24
54	Promoter-Level Transcriptome Identifies Stemness Associated With Relatively High Proliferation in Pancreatic Cancer Cells. <i>Frontiers in Oncology</i> , 2020, 10, 316.	1.3	1

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55	Quantification of Salivary Charged Metabolites using Capillary Electrophoresis Time-of-flight-mass Spectrometry. <i>Bio-protocol</i> , 2020, 10, e3797.	0.2	8
56	Abstract P2-10-12: Relationship between predicted risks of carrying breast cancer susceptibility genes and the presence of germline variants in Japanese patients with primary breast cancer. , 2020, , .		0
57	Overexpression of hydroxyproline via EGLN/HIF1A is associated with distant metastasis in pancreatic cancer. <i>American Journal of Cancer Research</i> , 2020, 10, 2570-2581.	1.4	3
58	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
59	Salivary metabolomics with alternative decision tree-based machine learning methods for breast cancer discrimination. <i>Breast Cancer Research and Treatment</i> , 2019, 177, 591-601.	1.1	53
60	Identification of modules and functional analysis in CRC subtypes by integrated bioinformatics analysis. <i>PLoS ONE</i> , 2019, 14, e0221772.	1.1	6
61	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
62	Elastic net-based prediction of IFN- γ treatment response of patients with multiple sclerosis using time series microarray gene expression profiles. <i>Scientific Reports</i> , 2019, 9, 1822.	1.6	11
63	Identification of salivary metabolites for oral squamous cell carcinoma and oral epithelial dysplasia screening from persistent suspicious oral mucosal lesions. <i>Clinical Oral Investigations</i> , 2019, 23, 3557-3563.	1.4	29
64	Effects of inter-day and intra-day variation on salivary metabolomic profiles. <i>Clinica Chimica Acta</i> , 2019, 489, 41-48.	0.5	28
65	Gene expression profile of peripheral blood mononuclear cells may contribute to the identification and immunological classification of breast cancer patients. <i>Breast Cancer</i> , 2019, 26, 282-289.	1.3	17
66	Machine learning methods with salivary metabolomics for breast cancer detection.. <i>Journal of Clinical Oncology</i> , 2019, 37, 3135-3135.	0.8	1
67	Robust volcano plot: identification of differential metabolites in the presence of outliers. <i>BMC Bioinformatics</i> , 2018, 19, 128.	1.2	29
68	Effect of oral functional training on immunological abilities of older people: a case control study. <i>BMC Oral Health</i> , 2018, 18, 4.	0.8	3
69	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
70	Changes in Metabolic Profiles of Human Oral Cells by Benzylidene Ascorbates and Eugenol. <i>Medicines (Basel, Switzerland)</i> , 2018, 5, 116.	0.7	8
71	Su1316 - Early Detection of Pancreatic Cancer using Salivary Metabolomics. <i>Gastroenterology</i> , 2018, 154, S-517-S-518.	0.6	0
72	Prediction of postoperative disease-free survival and brain metastasis for HER2-positive breast cancer patients treated with neoadjuvant chemotherapy plus trastuzumab using a machine learning algorithm. <i>Breast Cancer Research and Treatment</i> , 2018, 172, 611-618.	1.1	25

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73	Elevated Polyamines in Saliva of Pancreatic Cancer. <i>Cancers</i> , 2018, 10, 43.	1.7	59
74	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
75	MICOP: Maximal information coefficient-based oscillation prediction to detect biological rhythms in proteomics data. <i>BMC Bioinformatics</i> , 2018, 19, 249.	1.2	8
76	Effect of storage conditions on salivary polyamines quantified via liquid chromatography-mass spectrometry. <i>Scientific Reports</i> , 2018, 8, 12075.	1.6	31
77	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
78	Mining Gene Expression Profile with Missing Values: An Integration of Kernel PCA and Robust Singular Values Decomposition. <i>Current Bioinformatics</i> , 2018, 14, 78-89.	0.7	4
79	Effect of timing of collection of salivary metabolomic biomarkers on oral cancer detection. <i>Amino Acids</i> , 2017, 49, 761-770.	1.2	58
80	Evaluation of nursing interventions using minimally invasive assessments methods for patients in a persistent vegetative state. <i>Psychogeriatrics</i> , 2017, 17, 406-413.	0.6	7
81	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
82	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
83	Early gestational maternal low-protein diet diminishes hepatic response to fasting in young adult male mice. <i>Scientific Reports</i> , 2017, 7, 9812.	1.6	2
84	Salivary Gland Derived BDNF Overexpression in Mice Exerts an Anxiolytic Effect. <i>International Journal of Molecular Sciences</i> , 2017, 18, 1902.	1.8	16
85	Serum Metabolomic Profiles for Human Pancreatic Cancer Discrimination. <i>International Journal of Molecular Sciences</i> , 2017, 18, 767.	1.8	23
86	Future Paradigm of Breast Cancer Resistance and Treatment. <i>Resistance To Targeted Anti-cancer Therapeutics</i> , 2017, , 155-178.	0.1	2
87	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
88	Metabolomics Characterization of Human Diseases. <i>Health Information Science</i> , 2017, , 61-71.	0.3	0
89	Abstract 5706: Gene expression profile of peripheral blood mononuclear cells in breast cancer patients may contribute to the identification and the immunological classification of breast cancer patients by blood test. , 2017, , .		0
90	Effect of titanium dioxide nanoparticle on proliferation, drug-sensitivity, inflammation, and metabolomic profiling of human oral cells. , 2016, , 49-77.		1

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91	Profiling of plasma metabolites in postmenopausal women with metabolic syndrome. <i>Menopause</i> , 2016, 23, 749-758.	0.8	34
92	Circulating cell-free DNA-based epigenetic assay can detect early breast cancer. <i>Breast Cancer Research</i> , 2016, 18, 129.	2.2	85
93	Grinding patterns in migraine patients with sleep bruxism: a case-controlled study. <i>Cranio - Journal of Craniomandibular Practice</i> , 2016, 34, 371-377.	0.6	3
94	Mice carrying a human <i>GLUD2</i> gene recapitulate aspects of human transcriptome and metabolome development. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 5358-5363.	3.3	28
95	Features of occlusal state in female Japanese patients with migraine: a case-controlled study. <i>Cranio - Journal of Craniomandibular Practice</i> , 2016, 34, 382-387.	0.6	0
96	Relationship between salivary immunoglobulin a, lactoferrin and lysozyme flow rates and lifestyle factors in Japanese children: a cross-sectional study. <i>Acta Odontologica Scandinavica</i> , 2016, 74, 576-583.	0.9	9
97	Simultaneous analysis of consumer variables, acceptability and sensory characteristics of dry-cured ham. <i>Meat Science</i> , 2016, 121, 210-215.	2.7	10
98	Identification of salivary metabolomic biomarkers for oral cancer screening. <i>Scientific Reports</i> , 2016, 6, 31520.	1.6	147
99	Index markers of chronic fatigue syndrome with dysfunction of TCA and urea cycles. <i>Scientific Reports</i> , 2016, 6, 34990.	1.6	97
100	Data Mining and Mathematical Model Development. , 2016, , 381-388.		0
101	Clinical significance of the expression of autophagy-associated marker, beclin 1, in breast cancer patients who received neoadjuvant endocrine therapy. <i>BMC Cancer</i> , 2016, 16, 230.	1.1	30
102	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
103	Serum immunoglobulin G Fc region N-glycosylation profiling by matrix-assisted laser desorption/ionization mass spectrometry can distinguish breast cancer patients from cancer-free controls. <i>Biochemical and Biophysical Research Communications</i> , 2016, 469, 1140-1145.	1.0	36
104	Metabolic Profiling of Total Physical Activity and Sedentary Behavior in Community-Dwelling Men. <i>PLoS ONE</i> , 2016, 11, e0164877.	1.1	50
105	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
106	Identification of Differentially Expressed Gene Using Robust Singular Value Decomposition. <i>Current Bioinformatics</i> , 2016, 11, 366-374.	0.7	0
107	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
108	Metabolomic pathway visualization tool outsourcing editing function. , 2015, 2015, 7659-62.		3

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109	Organization and Evolution of Brain Lipidome Revealed by Large-Scale Analysis of Human, Chimpanzee, Macaque, and Mouse Tissues. <i>Neuron</i> , 2015, 85, 695-702.	3.8	123
110	Alteration of metabolomic profiles by titanium dioxide nanoparticles in human gingivitis model. <i>Biomaterials</i> , 2015, 57, 33-40.	5.7	58
111	Cystathionine Is a Novel Substrate of Cystine/Glutamate Transporter. <i>Journal of Biological Chemistry</i> , 2015, 290, 8778-8788.	1.6	65
112	Effects of processing and storage conditions on charged metabolomic profiles in blood. <i>Electrophoresis</i> , 2015, 36, 2148-2155.	1.3	68
113	Development of Web Tools to Predict Axillary lymph Node Metastasis and Pathological Response to Neoadjuvant Chemotherapy in Breast Cancer Patients. <i>International Journal of Biological Markers</i> , 2014, 29, 372-379.	0.7	4
114	Exceptional Evolutionary Divergence of Human Muscle and Brain Metabolomes Parallels Human Cognitive and Physical Uniqueness. <i>PLoS Biology</i> , 2014, 12, e1001871.	2.6	80
115	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
116	Disturbed bipterin and folate metabolism in the <i>Qdpr</i> -deficient mouse. <i>FEBS Letters</i> , 2014, 588, 3924-3931.	1.3	34
117	Comparative metabolite profiling of foxglove aphids (<i>Aulacorthum solani</i> Kaltendbach) on leaves of resistant and susceptible soybean strains. <i>Molecular BioSystems</i> , 2014, 10, 909.	2.9	8
118	Physiological and environmental parameters associated with mass spectrometry-based salivary metabolomic profiles. <i>Metabolomics</i> , 2013, 9, 454-463.	1.4	70
119	Metabolomic profiling of the response of susceptible and resistant soybean strains to foxglove aphid, <i>Aulacorthum solani</i> Kaltendbach. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2013, 925, 95-103.	1.2	31
120	High-resolution imaging mass spectrometry reveals detailed spatial distribution of phosphatidylinositols in human breast cancer. <i>Cancer Science</i> , 2013, 104, 1372-1379.	1.7	60
121	Time-resolved metabolomics of a novel trebouxiophycean alga using ¹³ CO ₂ feeding. <i>Journal of Bioscience and Bioengineering</i> , 2013, 116, 408-415.	1.1	11
122	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
123	Comparison of robustness against missing values of alternative decision tree and multiple logistic regression for predicting clinical data in primary breast cancer. , 2013, 2013, 3054-7.		9
124	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
125	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
126	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

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127	Human blood metabolite timetable indicates internal body time. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 15036-15041.	3.3	188
128	MMMDB: Mouse Multiple Tissue Metabolome Database. Nucleic Acids Research, 2012, 40, D809-D814.	6.5	60
129	Bioinformatics Tools for Mass Spectroscopy-Based Metabolomic Data Processing and Analysis. Current Bioinformatics, 2012, 7, 96-108.	0.7	270
130	Changes in the Charged Metabolite and Sugar Profiles of Pasteurized and Unpasteurized Japanese Sake with Storage. Journal of Agricultural and Food Chemistry, 2012, 60, 2586-2593.	2.4	58
131	Prediction of axillary lymph node metastasis in primary breast cancer patients using a decision tree-based model. BMC Medical Informatics and Decision Making, 2012, 12, 54.	1.5	36
132	Metabolic profiling reveals new serum biomarkers for differentiating diabetic nephropathy. Analytical and Bioanalytical Chemistry, 2012, 404, 3101-3109.	1.9	163
133	Metabolic Profiling of the Protozoan Parasite Entamoeba invadens Revealed Activation of Unpredicted Pathway during Encystation. PLoS ONE, 2012, 7, e37740.	1.1	67
134	Predictions of the pathological response to neoadjuvant chemotherapy in patients with primary breast cancer using a data mining technique. Breast Cancer Research and Treatment, 2012, 134, 661-670.	1.1	18
135	Non-targeted metabolite profiling in activated macrophage secretion. Metabolomics, 2012, 8, 624-633.	1.4	80
136	Profiling of the charged metabolites of traditional herbal medicines using capillary electrophoresis time-of-flight mass spectrometry. Metabolomics, 2012, 8, 99-108.	1.4	25
137	Serum metabolomics reveals $\hat{\text{I}}^3$ -glutamyl dipeptides as biomarkers for discrimination among different forms of liver disease. Journal of Hepatology, 2011, 55, 896-905.	1.8	217
138	Differential metabolomics software for capillary electrophoresis-mass spectrometry data analysis. Metabolomics, 2010, 6, 27-41.	1.4	51
139	Capillary electrophoresis mass spectrometry-based saliva metabolomics identified oral, breast and pancreatic cancer-specific profiles. Metabolomics, 2010, 6, 78-95.	1.4	783
140	Gene Knockout and Metabolome Analysis of Carnitine/Organic Cation Transporter OCTN1. Pharmaceutical Research, 2010, 27, 832-840.	1.7	168
141	Prediction of metabolite identity from accurate mass, migration time prediction and isotopic pattern information in CE-TOFMS data. Electrophoresis, 2010, 31, 2311-2318.	1.3	69
142	Metabolomic Profiles and Sensory Attributes of Edamame under Various Storage Duration and Temperature Conditions. Journal of Agricultural and Food Chemistry, 2010, 58, 8418-8425.	2.4	62
143	Correlation between Sensory Evaluation Scores of Japanese <i>Sake</i> and Metabolome Profiles. Journal of Agricultural and Food Chemistry, 2010, 58, 374-383.	2.4	64
144	Predictive value of CD24 and CD44 for neoadjuvant chemotherapy response and prognosis in primary breast cancer patients. Journal of Medical and Dental Sciences, 2010, 57, 165-75.	0.4	26

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145	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
146	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
147	Informatics for peptide retention properties in proteomic LC-MS. <i>Proteomics</i> , 2008, 8, 787-798.	1.3	33
148	Comparison of metabolite production capability indices generated by network analysis methods. <i>BioSystems</i> , 2008, 91, 166-170.	0.9	4
149	Algebraic Method for the Analysis of Signaling Crosstalk. <i>Artificial Life</i> , 2008, 14, 81-94.	1.0	3
150	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
151	A simplified method for power-law modelling of metabolic pathways from time-course data and steady-state flux profiles. <i>Theoretical Biology and Medical Modelling</i> , 2006, 3, 24.	2.1	19
152	Parameter estimation for stiff equations of biosystems using radial basis function networks. <i>BMC Bioinformatics</i> , 2006, 7, 230.	1.2	19
153	HybGFS: a hybrid method for genome-fingerprint scanning. <i>BMC Bioinformatics</i> , 2006, 7, 479.	1.2	1
154	Reverse engineering of biochemical equations from time-course data by means of genetic programming. <i>BioSystems</i> , 2005, 80, 155-164.	0.9	51
155	Large-Scale Prediction of Cationic Metabolite Identity and Migration Time in Capillary Electrophoresis Mass Spectrometry Using Artificial Neural Networks. <i>Analytical Chemistry</i> , 2005, 77, 78-84.	3.2	55
156	Distributed Cell Biology Simulations with E-Cell System. <i>Lecture Notes in Computer Science</i> , 2005, , 20-31.	1.0	5
157	Machine learning techniques for breast cancer diagnosis and treatment: a narrative review. <i>Annals of Breast Surgery</i> , 0, 7, 7-7.	0.8	3
158	Alternate Structure Controls For Phase Separation and Toxicity of Poly(PR) C9ORF72 Dipeptide. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0