

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	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
2	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
3	Bioinformatics Tools for Mass Spectroscopy-Based Metabolomic Data Processing and Analysis. <i>Current Bioinformatics</i> , 2012, 7, 96-108.	0.7	270
4	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
5	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
6	Serum metabolomics reveals δ -glutamyl dipeptides as biomarkers for discrimination among different forms of liver disease. <i>Journal of Hepatology</i> , 2011, 55, 896-905.	1.8	217
7	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
8	Gene Knockout and Metabolome Analysis of Carnitine/Organic Cation Transporter OCTN1. <i>Pharmaceutical Research</i> , 2010, 27, 832-840.	1.7	168
9	Metabolic profiling reveals new serum biomarkers for differentiating diabetic nephropathy. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 404, 3101-3109.	1.9	163
10	Identification of salivary metabolomic biomarkers for oral cancer screening. <i>Scientific Reports</i> , 2016, 6, 31520.	1.6	147
11	Existence of SARS-CoV-2 Entry Molecules in the Oral Cavity. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6000.	1.8	147
12	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
13	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
14	Index markers of chronic fatigue syndrome with dysfunction of TCA and urea cycles. <i>Scientific Reports</i> , 2016, 6, 34990.	1.6	97
15	Circulating cell-free DNA-based epigenetic assay can detect early breast cancer. <i>Breast Cancer Research</i> , 2016, 18, 129.	2.2	85
16	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
17	Non-targeted metabolite profiling in activated macrophage secretion. <i>Metabolomics</i> , 2012, 8, 624-633.	1.4	80
18	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

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19	Physiological and environmental parameters associated with mass spectrometry-based salivary metabolomic profiles. <i>Metabolomics</i> , 2013, 9, 454-463.	1.4	70
20	Prediction of metabolite identity from accurate mass, migration time prediction and isotopic pattern information in CE-TOFMS data. <i>Electrophoresis</i> , 2010, 31, 2311-2318.	1.3	69
21	Effects of processing and storage conditions on charged metabolomic profiles in blood. <i>Electrophoresis</i> , 2015, 36, 2148-2155.	1.3	68
22	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
23	Cystathionine Is a Novel Substrate of Cystine/Glutamate Transporter. <i>Journal of Biological Chemistry</i> , 2015, 290, 8778-8788.	1.6	65
24	Correlation between Sensory Evaluation Scores of Japanese Sake and Metabolome Profiles. <i>Journal of Agricultural and Food Chemistry</i> , 2010, 58, 374-383.	2.4	64
25	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
26	MMMDB: Mouse Multiple Tissue Metabolome Database. <i>Nucleic Acids Research</i> , 2012, 40, D809-D814.	6.5	60
27	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
28	Elevated Polyamines in Saliva of Pancreatic Cancer. <i>Cancers</i> , 2018, 10, 43.	1.7	59
29	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
30	Alteration of metabolomic profiles by titanium dioxide nanoparticles in human gingivitis model. <i>Biomaterials</i> , 2015, 57, 33-40.	5.7	58
31	Effect of timing of collection of salivary metabolomic biomarkers on oral cancer detection. <i>Amino Acids</i> , 2017, 49, 761-770.	1.2	58
32	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
33	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
34	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
35	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
36	Reverse engineering of biochemical equations from time-course data by means of genetic programming. <i>BioSystems</i> , 2005, 80, 155-164.	0.9	51

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37	Differential metabolomics software for capillary electrophoresis-mass spectrometry data analysis. <i>Metabolomics</i> , 2010, 6, 27-41.	1.4	51
38	Metabolic Profiling of Total Physical Activity and Sedentary Behavior in Community-Dwelling Men. <i>PLoS ONE</i> , 2016, 11, e0164877.	1.1	50
39	Fatty Acid Synthesis Is Indispensable for Survival of Human Pluripotent Stem Cells. <i>IScience</i> , 2020, 23, 101535.	1.9	47
40	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
41	Discrimination of oral squamous cell carcinoma from oral lichen planus by salivary metabolomics. <i>Oral Diseases</i> , 2020, 26, 35-42.	1.5	38
42	Prediction of axillary lymph node metastasis in primary breast cancer patients using a decision tree-based model. <i>BMC Medical Informatics and Decision Making</i> , 2012, 12, 54.	1.5	36
43	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
44	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
45	Disturbed biopterin and folate metabolism in the <i>Qdpr</i> -deficient mouse. <i>FEBS Letters</i> , 2014, 588, 3924-3931.	1.3	34
46	Profiling of plasma metabolites in postmenopausal women with metabolic syndrome. <i>Menopause</i> , 2016, 23, 749-758.	0.8	34
47	Informatics for peptide retention properties in proteomic LC-MS. <i>Proteomics</i> , 2008, 8, 787-798.	1.3	33
48	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
49	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
50	Effect of storage conditions on salivary polyamines quantified via liquid chromatography-mass spectrometry. <i>Scientific Reports</i> , 2018, 8, 12075.	1.6	31
51	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
52	Robust volcano plot: identification of differential metabolites in the presence of outliers. <i>BMC Bioinformatics</i> , 2018, 19, 128.	1.2	29
53	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
54	TGF- β -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

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55	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
56	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
57	Effects of inter-day and intra-day variation on salivary metabolomic profiles. <i>Clinica Chimica Acta</i> , 2019, 489, 41-48.	0.5	28
58	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
59	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
60	Sensory properties and metabolomic profiles of dry-cured ham during the ripening process. <i>Food Research International</i> , 2020, 129, 108850.	2.9	26
61	Predictive value of CD24 and CD44 for neoadjuvant chemotherapy response and prognosis in primary breast cancer patients. <i>Journal of Medical and Dental Sciences</i> , 2010, 57, 165-75.	0.4	26
62	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
63	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
64	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
65	Adenosine leakage from perforin-burst extracellular vesicles inhibits perforin secretion by cytotoxic T-lymphocytes. <i>PLoS ONE</i> , 2020, 15, e0231430.	1.1	24
66	Serum Metabolomic Profiles for Human Pancreatic Cancer Discrimination. <i>International Journal of Molecular Sciences</i> , 2017, 18, 767.	1.8	23
67	Urinary charged metabolite profiling of colorectal cancer using capillary electrophoresis-mass spectrometry. <i>Scientific Reports</i> , 2020, 10, 21057.	1.6	23
68	Salivary metabolomics for cancer detection. <i>Expert Review of Proteomics</i> , 2020, 17, 639-648.	1.3	22
69	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
70	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
71	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
72	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

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73	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
74	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
75	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
76	Parameter estimation for stiff equations of biosystems using radial basis function networks. <i>BMC Bioinformatics</i> , 2006, 7, 230.	1.2	19
77	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
78	Predictions of the pathological response to neoadjuvant chemotherapy in patients with primary breast cancer using a data mining technique. <i>Breast Cancer Research and Treatment</i> , 2012, 134, 661-670.	1.1	18
79	Machine Learning Approach for Intraocular Disease Prediction Based on Aqueous Humor Immune Mediator Profiles. <i>Ophthalmology</i> , 2021, 128, 1197-1208.	2.5	18
80	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
81	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
82	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
83	Salivary Gland Derived BDNF Overexpression in Mice Exerts an Anxiolytic Effect. <i>International Journal of Molecular Sciences</i> , 2017, 18, 1902.	1.8	16
84	Serum Metabolomic Profiling of Patients with Non-Infectious Uveitis. <i>Journal of Clinical Medicine</i> , 2020, 9, 3955.	1.0	15
85	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
86	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
87	Metabolomic profiling of tumor-infiltrating macrophages during tumor growth. <i>Cancer Immunology, Immunotherapy</i> , 2020, 69, 2357-2369.	2.0	14
88	Salivary Metabolomics for Oral Cancer Detection: A Narrative Review. <i>Metabolites</i> , 2022, 12, 436.	1.3	14
89	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
90	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

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91	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
92	Time-resolved metabolomics of a novel trebouxioephycean alga using ¹³ CO ₂ feeding. <i>Journal of Bioscience and Bioengineering</i> , 2013, 116, 408-415.	1.1	11
93	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
94	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
95	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
96	Salivary metabolomics with machine learning for colorectal cancer detection. <i>Cancer Science</i> , 2022, 113, 3234-3243.	1.7	11
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	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
99	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
100	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
101	Electrochemical enzyme biosensor for carnitine detection based on cathodic stripping voltammetry. <i>Sensors and Actuators B: Chemical</i> , 2020, 321, 128473.	4.0	9
102	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
103	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
104	Changes in Metabolic Profiles of Human Oral Cells by Benzylidene Ascorbates and Eugenol. <i>Medicines (Basel, Switzerland)</i> , 2018, 5, 116.	0.7	8
105	MICOP: Maximal information coefficient-based oscillation prediction to detect biological rhythms in proteomics data. <i>BMC Bioinformatics</i> , 2018, 19, 249.	1.2	8
106	Cognitive Dysfunction in a Mouse Model of Cerebral Ischemia Influences Salivary Metabolomics. <i>Journal of Clinical Medicine</i> , 2021, 10, 1698.	1.0	8
107	Differential Tissue Metabolic Signatures in IgG4-Related Ophthalmic Disease and Orbital Mucosa-Associated Lymphoid Tissue Lymphoma. , 2021, 62, 15.		8
108	Quantification of Salivary Charged Metabolites using Capillary Electrophoresis Time-of-flight-mass Spectrometry. <i>Bio-protocol</i> , 2020, 10, e3797.	0.2	8

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109	Salivary Metabolomics for Prognosis of Oral Squamous Cell Carcinoma. <i>Frontiers in Oncology</i> , 2021, 11, 789248.	1.3	8
110	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
111	Kernel weighted least square approach for imputing missing values of metabolomics data. <i>Scientific Reports</i> , 2021, 11, 11108.	1.6	7
112	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
113	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
114	Identification of modules and functional analysis in CRC subtypes by integrated bioinformatics analysis. <i>PLoS ONE</i> , 2019, 14, e0221772.	1.1	6
115	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
116	Quality Assessment of Untargeted Analytical Data in a Large-Scale Metabolomic Study. <i>Journal of Clinical Medicine</i> , 2021, 10, 1826.	1.0	6
117	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
118	Feiyanning Formula Induces Apoptosis of Lung Adenocarcinoma Cells by Activating the Mitochondrial Pathway. <i>Frontiers in Oncology</i> , 2021, 11, 690878.	1.3	6
119	Validation of Urinary Charged Metabolite Profiles in Colorectal Cancer Using Capillary Electrophoresis-Mass Spectrometry. <i>Metabolites</i> , 2022, 12, 59.	1.3	6
120	Correlation-centred variable selection of a gene expression signature to predict breast cancer metastasis. <i>Scientific Reports</i> , 2020, 10, 7923.	1.6	5
121	Distributed Cell Biology Simulations with E-Cell System. <i>Lecture Notes in Computer Science</i> , 2005, , 20-31.	1.0	5
122	Comparison of metabolite production capability indices generated by network analysis methods. <i>BioSystems</i> , 2008, 91, 166-170.	0.9	4
123	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
124	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
125	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
126	Algebraic Method for the Analysis of Signaling Crosstalk. <i>Artificial Life</i> , 2008, 14, 81-94.	1.0	3

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127	Metabolomic pathway visualization tool outsourcing editing function. , 2015, 2015, 7659-62.		3
128	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
129	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
130	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
131	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
132	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
133	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
134	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
135	Metabolomic Alteration of Oral Keratinocytes and Fibroblasts in Hypoxia. <i>Journal of Clinical Medicine</i> , 2021, 10, 1156.	1.0	2
136	Future Paradigm of Breast Cancer Resistance and Treatment. <i>Resistance To Targeted Anti-cancer Therapeutics</i> , 2017, , 155-178.	0.1	2
137	HybGFS: a hybrid method for genome-fingerprint scanning. <i>BMC Bioinformatics</i> , 2006, 7, 479.	1.2	1
138	Effect of titanium dioxide nanoparticle on proliferation, drug-sensitivity, inflammation, and metabolomic profiling of human oral cells. , 2016, , 49-77.		1
139	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
140	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
141	Parentsâ€™ Initiation of Alcohol Drinking among Elementary and Kindergarten Students. <i>Children</i> , 2021, 8, 258.	0.6	1
142	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
143	Editorial: Metabolomics in the Study of Unconventional Biological Matrices. <i>Frontiers in Chemistry</i> , 2021, 9, 736661.	1.8	1
144	Machine learning methods with salivary metabolomics for breast cancer detection.. <i>Journal of Clinical Oncology</i> , 2019, 37, 3135-3135.	0.8	1

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145	Capillary Electrophoresis-Mass Spectrometry of Hydrophilic Metabolomics. <i>Neuromethods</i> , 2021, , 113-120.	0.2	1
146	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
147	Long-Term Mastication Changed Salivary Metabolomic Profiles. <i>Metabolites</i> , 2022, 12, 660.	1.3	1
148	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
149	Data Mining and Mathematical Model Development. , 2016, , 381-388.		0
150	Su1316 - Early Detection of Pancreatic Cancer using Salivary Metabolomics. <i>Gastroenterology</i> , 2018, 154, S-517-S-518.	0.6	0
151	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
152	Editorial of Special Issue "Metabolomic Analysis in Health and Diseases". <i>Journal of Clinical Medicine</i> , 2021, 10, 3491.	1.0	0
153	1299 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
154	Identification of Differentially Expressed Gene Using Robust Singular Value Decomposition. <i>Current Bioinformatics</i> , 2016, 11, 366-374.	0.7	0
155	Metabolomics Characterization of Human Diseases. <i>Health Information Science</i> , 2017, , 61-71.	0.3	0
156	Abstract 5706: Gene expression profile of peripheral blood mononuclear cells in breast cancer patients may be contribute to the identification and the immunological classification of breast cancer patients by blood test. , 2017, , .		0
157	Alternate Structure Controls For Phase Separation and Toxicity of Poly(PR) C9ORF72 Dipeptide. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
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