

Masahiro Sugimoto

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

137
papers

5,053
citations

36
h-index

69
g-index

163
ext. papers

6,065
ext. citations

4.8
avg, IF

5.39
L-index

#	Paper	IF	Citations
137	Validation of Urinary Charged Metabolite Profiles in Colorectal Cancer Using Capillary Electrophoresis-Mass Spectrometry.. <i>Metabolites</i> , 2022 , 12,	5.6	2
136	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	5	2
135	Salivary Metabolomics for Oral Cancer Detection: A Narrative Review. <i>Metabolites</i> , 2022 , 12, 436	5.6	1
134	Differential diagnosis of lung cancer and benign lung lesion using salivary metabolites: A preliminary study.. <i>Thoracic Cancer</i> , 2021 ,	3.2	2
133	Capillary Electrophoresis-Mass Spectrometry of Hydrophilic Metabolomics. <i>Neuromethods</i> , 2021 , 113-120.	0.4	0
132	Salivary Metabolomics for Prognosis of Oral Squamous Cell Carcinoma.. <i>Frontiers in Oncology</i> , 2021 , 11, 789248	5.3	1
131	Bayesian approach for predicting responses to therapy from high-dimensional time-course gene expression profiles. <i>BMC Bioinformatics</i> , 2021 , 22, 132	3.6	1
130	Reliability of urinary charged metabolite concentrations in a large-scale cohort study using capillary electrophoresis-mass spectrometry. <i>Scientific Reports</i> , 2021 , 11, 7407	4.9	1
129	Quality Assessment of Untargeted Analytical Data in a Large-Scale Metabolomic Study. <i>Journal of Clinical Medicine</i> , 2021 , 10,	5.1	3
128	Kernel weighted least square approach for imputing missing values of metabolomics data. <i>Scientific Reports</i> , 2021 , 11, 11108	4.9	3
127	Multi-Omics Analysis of Anti-Inflammatory Action of Alkaline Extract of the Leaves of sp. <i>Journal of Clinical Medicine</i> , 2021 , 10,	5.1	3
126	Time-Course of Salivary Metabolomic Profiles during Radiation Therapy for Head and Neck Cancer. <i>Journal of Clinical Medicine</i> , 2021 , 10,	5.1	3
125	Optimization of prediction methods for risk assessment of pathogenic germline variants in the Japanese population. <i>Cancer Science</i> , 2021 , 112, 3338-3348	6.9	2
124	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	6.7	5
123	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	3.7	4
122	Gene expression profiles of liver cancer cell lines reveal two hepatocyte-like and fibroblast-like clusters. <i>PLoS ONE</i> , 2021 , 16, e0245939	3.7	2
121	Feiyanning Formula Induces Apoptosis of Lung Adenocarcinoma Cells by Activating the Mitochondrial Pathway. <i>Frontiers in Oncology</i> , 2021 , 11, 690878	5.3	4

120	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	4.5	5
119	Machine Learning Approach for Intraocular Disease Prediction Based on Aqueous Humor Immune Mediator Profiles. <i>Ophthalmology</i> , 2021 , 128, 1197-1208	7.3	8
118	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,	6.3	1
117	Phase separation and toxicity of C9orf72 poly(PR) depends on alternate distribution of arginine. <i>Journal of Cell Biology</i> , 2021 , 220,	7.3	2
116	Mathematical simulation of tumour angiogenesis: angiopoietin balance is a key factor in vessel growth and regression. <i>Scientific Reports</i> , 2021 , 11, 419	4.9	3
115	Differential Tissue Metabolic Signatures in IgG4-Related Ophthalmic Disease and Orbital Mucosa-Associated Lymphoid Tissue Lymphoma 2021 , 62, 15		1
114	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	5.8	4
113	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,	5.1	7
112	Serum Metabolomic Profiling of Patients with Non-Infectious Uveitis. <i>Journal of Clinical Medicine</i> , 2020 , 9,	5.1	3
111	Salivary metabolomics for cancer detection. <i>Expert Review of Proteomics</i> , 2020 , 17, 639-648	4.2	11
110	Correlation-centred variable selection of a gene expression signature to predict breast cancer metastasis. <i>Scientific Reports</i> , 2020 , 10, 7923	4.9	4
109	Metabolomic profiling of tumor-infiltrating macrophages during tumor growth. <i>Cancer Immunology, Immunotherapy</i> , 2020 , 69, 2357-2369	7.4	3
108	Induction of Metabolic Zonation in Primary Hepatocytes Requires Both Near-Physiological Oxygen Concentration and Flux. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020 , 8, 524	5.8	4
107	Relationships between plasma lipidomic profiles and brown adipose tissue density in humans. <i>International Journal of Obesity</i> , 2020 , 44, 1387-1396	5.5	8
106	Adenosine leakage from perforin-burst extracellular vesicles inhibits perforin secretion by cytotoxic T-lymphocytes. <i>PLoS ONE</i> , 2020 , 15, e0231430	3.7	12
105	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	4.4	2
104	Quantification of Salivary Charged Metabolites using Capillary Electrophoresis Time-of-flight-mass Spectrometry. <i>Bio-protocol</i> , 2020 , 10, e3797	0.9	3
103	Discrimination of oral squamous cell carcinoma from oral lichen planus by salivary metabolomics. <i>Oral Diseases</i> , 2020 , 26, 35-42	3.5	25

102	Sensory properties and metabolomic profiles of dry-cured ham during the ripening process. <i>Food Research International</i> , 2020 , 129, 108850	7	15
101	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	8.7	9
100	Fatty Acid Synthesis Is Indispensable for Survival of Human Pluripotent Stem Cells. <i>IScience</i> , 2020 , 23, 101535	6.1	19
99	Electrochemical enzyme biosensor for carnitine detection based on cathodic stripping voltammetry. <i>Sensors and Actuators B: Chemical</i> , 2020 , 321, 128473	8.5	3
98	Urinary charged metabolite profiling of colorectal cancer using capillary electrophoresis-mass spectrometry. <i>Scientific Reports</i> , 2020 , 10, 21057	4.9	7
97	Existence of SARS-CoV-2 Entry Molecules in the Oral Cavity. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	70
96	Identification of modules and functional analysis in CRC subtypes by integrated bioinformatics analysis. <i>PLoS ONE</i> , 2019 , 14, e0221772	3.7	3
95	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	4.9	12
94	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	3.7	13
93	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	4.4	25
92	Machine learning methods with salivary metabolomics for breast cancer detection.. <i>Journal of Clinical Oncology</i> , 2019 , 37, 3135-3135	2.2	0
91	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	4.9	6
90	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	4.2	19
89	Effects of inter-day and intra-day variation on salivary metabolomic profiles. <i>Clinica Chimica Acta</i> , 2019 , 489, 41-48	6.2	18
88	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	3.4	12
87	Robust volcano plot: identification of differential metabolites in the presence of outliers. <i>BMC Bioinformatics</i> , 2018 , 19, 128	3.6	14
86	Effect of oral functional training on immunological abilities of older people: a case control study. <i>BMC Oral Health</i> , 2018 , 18, 4	3.7	2
85	Elevated Polyamines in Saliva of Pancreatic Cancer. <i>Cancers</i> , 2018 , 10,	6.6	36

84	Urinary Polyamine Biomarker Panels with Machine-Learning Differentiated Colorectal Cancers, Benign Disease, and Healthy Controls. <i>International Journal of Molecular Sciences</i> , 2018 , 19,	6.3	30
83	MICOP: Maximal information coefficient-based oscillation prediction to detect biological rhythms in proteomics data. <i>BMC Bioinformatics</i> , 2018 , 19, 249	3.6	6
82	Effect of storage conditions on salivary polyamines quantified via liquid chromatography-mass spectrometry. <i>Scientific Reports</i> , 2018 , 8, 12075	4.9	21
81	Reliability of plasma polar metabolite concentrations in a large-scale cohort study using capillary electrophoresis-mass spectrometry. <i>PLoS ONE</i> , 2018 , 13, e0191230	3.7	40
80	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	4.7	3
79	A Metabolomic-Based Evaluation of the Role of Commensal Microbiota throughout the Gastrointestinal Tract in Mice. <i>Microorganisms</i> , 2018 , 6,	4.9	18
78	Changes in Metabolic Profiles of Human Oral Cells by Benzylidene Ascorbates and Eugenol. <i>Medicines (Basel, Switzerland)</i> , 2018 , 5,	4.1	5
77	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	4.4	14
76	Effect of timing of collection of salivary metabolomic biomarkers on oral cancer detection. <i>Amino Acids</i> , 2017 , 49, 761-770	3.5	44
75	Evaluation of nursing interventions using minimally invasive assessments methods for patients in a persistent vegetative state. <i>Psychogeriatrics</i> , 2017 , 17, 406-413	1.8	4
74	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	5.7	22
73	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	11.5	169
72	Early gestational maternal low-protein diet diminishes hepatic response to fasting in young adult male mice. <i>Scientific Reports</i> , 2017 , 7, 9812	4.9	0
71	Salivary Gland Derived BDNF Overexpression in Mice Exerts an Anxiolytic Effect. <i>International Journal of Molecular Sciences</i> , 2017 , 18,	6.3	10
70	Serum Metabolomic Profiles for Human Pancreatic Cancer Discrimination. <i>International Journal of Molecular Sciences</i> , 2017 , 18,	6.3	18
69	Effect of masticatory stimulation on the quantity and quality of saliva and the salivary metabolomic profile. <i>PLoS ONE</i> , 2017 , 12, e0183109	3.7	24
68	Future Paradigm of Breast Cancer Resistance and Treatment. <i>Resistance To Targeted Anti-cancer Therapeutics</i> , 2017 , 155-178	0.3	2
67	Metabolomics Characterization of Human Diseases. <i>Health Information Science</i> , 2017 , 61-71	0.1	

66	Effect of titanium dioxide nanoparticle on proliferation, drug-sensitivity, inflammation, and metabolomic profiling of human oral cells 2016 , 49-77		
65	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	2.2	9
64	Simultaneous analysis of consumer variables, acceptability and sensory characteristics of dry-cured ham. <i>Meat Science</i> , 2016 , 121, 210-215	6.4	10
63	Identification of salivary metabolomic biomarkers for oral cancer screening. <i>Scientific Reports</i> , 2016 , 6, 31520	4.9	107
62	Index markers of chronic fatigue syndrome with dysfunction of TCA and urea cycles. <i>Scientific Reports</i> , 2016 , 6, 34990	4.9	65
61	Data Mining and Mathematical Model Development 2016 , 381-388		
60	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	4.8	23
59	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	4.2	64
58	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, 1140-5	3.4	27
57	Metabolic Profiling of Total Physical Activity and Sedentary Behavior in Community-Dwelling Men. <i>PLoS ONE</i> , 2016 , 11, e0164877	3.7	34
56	Serum metabolome profiles characterized by patients with hepatocellular carcinoma associated with hepatitis B and C. <i>World Journal of Gastroenterology</i> , 2016 , 22, 6224-34	5.6	11
55	Profiling of plasma metabolites in postmenopausal women with metabolic syndrome. <i>Menopause</i> , 2016 , 23, 749-58	2.5	28
54	Circulating cell-free DNA-based epigenetic assay can detect early breast cancer. <i>Breast Cancer Research</i> , 2016 , 18, 129	8.3	62
53	Grinding patterns in migraine patients with sleep bruxism: a case-controlled study. <i>Cranio - Journal of Craniomandibular Practice</i> , 2016 , 34, 371-377	1.2	1
52	Mice carrying a human GLUD2 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, 5358-63	11.5	21
51	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	1.2	
50	Alteration of metabolomic profiles by titanium dioxide nanoparticles in human gingivitis model. <i>Biomaterials</i> , 2015 , 57, 33-40	15.6	41
49	Cystathionine is a novel substrate of cystine/glutamate transporter: implications for immune function. <i>Journal of Biological Chemistry</i> , 2015 , 290, 8778-88	5.4	49

48	Effects of processing and storage conditions on charged metabolomic profiles in blood. <i>Electrophoresis</i> , 2015 , 36, 2148-2155	3.6	54
47	Effects of 3-styrylchromones on metabolic profiles and cell death in oral squamous cell carcinoma cells. <i>Toxicology Reports</i> , 2015 , 2, 1281-1290	4.8	25
46	Metabolomic pathway visualization tool outsourcing editing function. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2015 , 2015, 7659-62	0.9	2
45	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	13.9	94
44	Metabolomic profiling of sodium fluoride-induced cytotoxicity in an oral squamous cell carcinoma cell line. <i>Metabolomics</i> , 2014 , 10, 270-279	4.7	14
43	Disturbed biopterin and folate metabolism in the Qdpr-deficient mouse. <i>FEBS Letters</i> , 2014 , 588, 3924-3938	3.8	22
42	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, 909-15		8
41	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, e372-9	2.8	3
40	Exceptional evolutionary divergence of human muscle and brain metabolomes parallels human cognitive and physical uniqueness. <i>PLoS Biology</i> , 2014 , 12, e1001871	9.7	63
39	Physiological and environmental parameters associated with mass spectrometry-based salivary metabolomic profiles. <i>Metabolomics</i> , 2013 , 9, 454-463	4.7	54
38	Metabolomic profiling of the response of susceptible and resistant soybean strains to foxglove aphid, <i>Aulacorthum solani</i> Kaltentbach. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2013 , 925, 95-103	3.2	27
37	High-resolution imaging mass spectrometry reveals detailed spatial distribution of phosphatidylinositols in human breast cancer. <i>Cancer Science</i> , 2013 , 104, 1372-9	6.9	50
36	Time-resolved metabolomics of a novel trebouxiophycean alga using (13)CO2 feeding. <i>Journal of Bioscience and Bioengineering</i> , 2013 , 116, 408-15	3.3	11
35	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, 1577-86	12.7	18
34	Comparison of robustness against missing values of alternative decision tree and multiple logistic regression for predicting clinical data in primary breast cancer. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2013 , 2013, 3054-7	0.9	6
33	Capillary electrophoresis-mass spectrometry-based metabolome analysis of serum and saliva from neurodegenerative dementia patients. <i>Electrophoresis</i> , 2013 , 34, 2865-72	3.6	74
32	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, 1575-7	3.7	9
31	Changes of metabolic profiles in an oral squamous cell carcinoma cell line induced by eugenol. <i>In Vivo</i> , 2013 , 27, 233-43	2.3	16

30	Profiling of the charged metabolites of traditional herbal medicines using capillary electrophoresis time-of-flight mass spectrometry. <i>Metabolomics</i> , 2012 , 8, 99-108	4.7	20
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, 2586-93	5.7	45
28	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	3.6	31
27	Metabolic profiling reveals new serum biomarkers for differentiating diabetic nephropathy. <i>Analytical and Bioanalytical Chemistry</i> , 2012 , 404, 3101-9	4.4	132
26	Metabolic profiling of the protozoan parasite <i>Entamoeba invadens</i> revealed activation of unpredicted pathway during encystation. <i>PLoS ONE</i> , 2012 , 7, e37740	3.7	48
25	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, 661-70	4.4	15
24	Non-targeted metabolite profiling in activated macrophage secretion. <i>Metabolomics</i> , 2012 , 8, 624-633	4.7	64
23	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, 15036-41	11.5	163
22	MMMDB: Mouse Multiple Tissue Metabolome Database. <i>Nucleic Acids Research</i> , 2012 , 40, D809-14	20.1	40
21	Bioinformatics Tools for Mass Spectroscopy-Based Metabolomic Data Processing and Analysis. <i>Current Bioinformatics</i> , 2012 , 7, 96-108	4.7	234
20	Serum metabolomics reveals γ -glutamyl dipeptides as biomarkers for discrimination among different forms of liver disease. <i>Journal of Hepatology</i> , 2011 , 55, 896-905	13.4	178
19	Metabolomic profiles and sensory attributes of edamame under various storage duration and temperature conditions. <i>Journal of Agricultural and Food Chemistry</i> , 2010 , 58, 8418-25	5.7	51
18	Correlation between sensory evaluation scores of Japanese sake and metabolome profiles. <i>Journal of Agricultural and Food Chemistry</i> , 2010 , 58, 374-83	5.7	61
17	Differential metabolomics software for capillary electrophoresis-mass spectrometry data analysis. <i>Metabolomics</i> , 2010 , 6, 27-41	4.7	44
16	Capillary electrophoresis mass spectrometry-based saliva metabolomics identified oral, breast and pancreatic cancer-specific profiles. <i>Metabolomics</i> , 2010 , 6, 78-95	4.7	621
15	Gene knockout and metabolome analysis of carnitine/organic cation transporter OCTN1. <i>Pharmaceutical Research</i> , 2010 , 27, 832-40	4.5	136
14	Prediction of metabolite identity from accurate mass, migration time prediction and isotopic pattern information in CE-TOFMS data. <i>Electrophoresis</i> , 2010 , 31, 2311-8	3.6	64
13	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		24

12	Quantitative metabolome profiling of colon and stomach cancer microenvironment by capillary electrophoresis time-of-flight mass spectrometry. <i>Cancer Research</i> , 2009 , 69, 4918-25	10.1	699
11	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, 9890-5	11.5	204
10	Algebraic method for the analysis of signaling crosstalk. <i>Artificial Life</i> , 2008 , 14, 81-94	1.4	3
9	Informatics for peptide retention properties in proteomic LC-MS. <i>Proteomics</i> , 2008 , 8, 787-98	4.8	30
8	Comparison of metabolite production capability indices generated by network analysis methods. <i>BioSystems</i> , 2008 , 91, 166-70	1.9	4
7	Parameter estimation for stiff equations of biosystems using radial basis function networks. <i>BMC Bioinformatics</i> , 2006 , 7, 230	3.6	14
6	HybGFS: a hybrid method for genome-fingerprint scanning. <i>BMC Bioinformatics</i> , 2006 , 7, 479	3.6	1
5	Prediction of liquid chromatographic retention times of peptides generated by protease digestion of the Escherichia coli proteome using artificial neural networks. <i>Journal of Proteome Research</i> , 2006 , 5, 3312-7	5.6	49
4	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	2.3	14
3	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	7.8	50
2	Reverse engineering of biochemical equations from time-course data by means of genetic programming. <i>BioSystems</i> , 2005 , 80, 155-64	1.9	44
1	Distributed Cell Biology Simulations with E-Cell System. <i>Lecture Notes in Computer Science</i> , 2005 , 20-31	0.9	2