

Yoshiaki Ohashi

List of Publications by Year in descending order

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36
papers

3,036
citations

279798

23
h-index

345221

36
g-index

37
all docs

37
docs citations

37
times ranked

3826
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantitative Metabolome Analysis Using Capillary Electrophoresis Mass Spectrometry. <i>Journal of Proteome Research</i> , 2003, 2, 488-494.	3.7	912
2	Simultaneous Determination of Anionic Intermediates for <i>Bacillus subtilis</i> Metabolic Pathways by Capillary Electrophoresis Electro spray Ionization Mass Spectrometry. <i>Analytical Chemistry</i> , 2002, 74, 2233-2239.	6.5	448
3	Depiction of metabolome changes in histidine-starved <i>Escherichia coli</i> by CE-TOFMS. <i>Molecular BioSystems</i> , 2008, 4, 135-147.	2.9	243
4	Metabolomic anatomy of an animal model revealing homeostatic imbalances in dyslipidaemia. <i>Molecular BioSystems</i> , 2011, 7, 1217.	2.9	174
5	Metabolomic profiling of lung and prostate tumor tissues by capillary electrophoresis time-of-flight mass spectrometry. <i>Metabolomics</i> , 2013, 9, 444-453.	3.0	128
6	Secret Signatures Inside Genomic DNA. <i>Biotechnology Progress</i> , 2004, 20, 1605-1607.	2.6	76
7	The Lethal Effect of a Benzamide Derivative, 3-Methoxybenzamide, Can Be Suppressed by Mutations within a Cell Division Gene, <i>ftsZ</i> , in <i>Bacillus subtilis</i> . <i>Journal of Bacteriology</i> , 1999, 181, 1348-1351.	2.2	76
8	Expression of a small (p)ppGpp synthetase, YwaC, in the (p)ppGpp ⁰ mutant of <i>Bacillus subtilis</i> triggers YvyD-dependent dimerization of ribosome. <i>MicrobiologyOpen</i> , 2012, 1, 115-134.	3.0	72
9	ClpC regulates the fate of a sporulation initiation sigma factor, σ^H protein, in <i>Bacillus subtilis</i> at elevated temperatures. <i>Molecular Microbiology</i> , 1998, 29, 505-513.	2.5	68
10	Degradation of ppGpp by Nudix Pyrophosphatase Modulates the Transition of Growth Phase in the Bacterium <i>Thermus thermophilus</i> . <i>Journal of Biological Chemistry</i> , 2009, 284, 15549-15556.	3.4	61
11	Serum metabolomic profile and potential biomarkers for severity of fibrosis in nonalcoholic fatty liver disease. <i>Journal of Gastroenterology</i> , 2013, 48, 1392-1400.	5.1	60
12	Alignment-Based Approach for Durable Data Storage into Living Organisms. <i>Biotechnology Progress</i> , 2007, 23, 501-505.	2.6	59
13	Natural Genetic Competence in <i>Bacillus subtilis</i> Natto OK2. <i>Journal of Bacteriology</i> , 2000, 182, 2411-2415.	2.2	50
14	Metabolome analysis of photosynthesis and the related primary metabolites in the leaves of transgenic rice plants with increased or decreased Rubisco content. <i>Plant, Cell and Environment</i> , 2012, 35, 1369-1379.	5.7	50
15	Technical approach to individualized respiratory-gated carbon-ion therapy for mobile organs. <i>Radiological Physics and Technology</i> , 2013, 6, 356-366.	1.9	50
16	Function of a Principal Na ⁺ /H ⁺ Antiporter, ShaA, Is Required for Initiation of Sporulation in <i>Bacillus subtilis</i> . <i>Journal of Bacteriology</i> , 2000, 182, 898-904.	2.2	49
17	Plasma metabolome analysis of patients with major depressive disorder. <i>Psychiatry and Clinical Neurosciences</i> , 2018, 72, 349-361.	1.8	49
18	Metabolomics Platform with Capillary Electrophoresis Coupled with High-Resolution Mass Spectrometry for Plasma Analysis. <i>Analytical Chemistry</i> , 2019, 91, 1295-1301.	6.5	46

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19	Reduced cerebrospinal fluid ethanolamine concentration in major depressive disorder. <i>Scientific Reports</i> , 2015, 5, 7796.	3.3	41
20	Expression Profiling of Translation-associated Genes in Sporulating <i>Bacillus subtilis</i> and Consequence of Sporulation by Gene Inactivation. <i>Bioscience, Biotechnology and Biochemistry</i> , 2003, 67, 2245-2253.	1.3	33
21	Comparative Analysis of Physical Maps of Four <i>Bacillus subtilis</i> (natto) Genomes. <i>Applied and Environmental Microbiology</i> , 2004, 70, 6247-6256.	3.1	29
22	Unveiling cellular biochemical reactions via metabolomics-driven approaches. <i>Current Opinion in Microbiology</i> , 2010, 13, 358-362.	5.1	29
23	Application of capillary electrophoresis-mass spectrometry to synthetic <i>in vitro</i> glycolysis studies. <i>Electrophoresis</i> , 2004, 25, 1996-2002.	2.4	28
24	Stabilizing synthetic data in the DNA of living organisms. <i>Systems and Synthetic Biology</i> , 2008, 2, 19-25.	1.0	26
25	Metabolomic profiling of gastric cancer tissues identified potential biomarkers for predicting peritoneal recurrence. <i>Gastric Cancer</i> , 2020, 23, 874-883.	5.3	24
26	A novel sporulation-control gene (<i>spoOM</i>) of <i>Bacillus subtilis</i> with a σ^H -regulated promoter. <i>Gene</i> , 1998, 217, 31-40.	2.2	22
27	Metabolic profile alterations in the postmortem brains of patients with schizophrenia using capillary electrophoresis-mass spectrometry. <i>Schizophrenia Research</i> , 2017, 183, 70-74.	2.0	22
28	Far different levels of gene expression provided by an oriented cloning system in <i>Bacillus subtilis</i> and <i>Escherichia coli</i> . <i>FEMS Microbiology Letters</i> , 2003, 221, 125-130.	1.8	21
29	Metabolome analysis of esophageal cancer tissues using capillary electrophoresis-time-of-flight mass spectrometry. <i>International Journal of Oncology</i> , 2018, 52, 1947-1958.	3.3	21
30	Model-based Definition of Population Heterogeneity and Its Effects on Metabolism in Sporulating <i>Bacillus subtilis</i> . <i>Journal of Biochemistry</i> , 2007, 142, 183-191.	1.7	18
31	High Throughput Screening of Serum γ -Glutamyl Dipeptides for Risk Assessment of Nonalcoholic Steatohepatitis with Impaired Glutathione Salvage Pathway. <i>Journal of Proteome Research</i> , 2020, 19, 2689-2699.	3.7	15
32	Nontargeted Serum Lipid Profiling of Nonalcoholic Steatohepatitis by Multisegment Injection σ -Nonaqueous Capillary Electrophoresis σ -Mass Spectrometry: A Multiplexed Separation Platform for Resolving Ionic Lipids. <i>Journal of Proteome Research</i> , 2022, 21, 768-777.	3.7	11
33	Thermo-labile stability of σ^H (<i>SpoOH</i>) in temperature-sensitive <i>spoOH</i> mutants of <i>Bacillus subtilis</i> can be suppressed by mutations in RNA polymerase β^2 subunit. <i>Gene</i> , 1999, 229, 117-124.	2.2	10
34	P-BOSS: A new filtering method for treasure hunting in metabolomics. <i>Journal of Chromatography A</i> , 2007, 1159, 142-148.	3.7	8
35	Mutations of the glycine cleavage system genes possibly affect the negative symptoms of schizophrenia through metabolomic profile changes. <i>Psychiatry and Clinical Neurosciences</i> , 2018, 72, 168-179.	1.8	5
36	<i>In silico</i> diagnosis of inherently inhibited gene expression focusing on initial codon combinations. <i>Gene</i> , 2005, 347, 11-19.	2.2	2