

Tetsushi Mori

List of Publications by Year in descending order

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Version: 2024-02-01

47
papers

1,729
citations

471509

17
h-index

289244

40
g-index

50
all docs

50
docs citations

50
times ranked

2863
citing authors

#	ARTICLE	IF	CITATIONS
1	An environmental bacterial taxon with a large and distinct metabolic repertoire. <i>Nature</i> , 2014, 506, 58-62.	27.8	530
2	Formation of magnetite by bacteria and its application. <i>Journal of the Royal Society Interface</i> , 2008, 5, 977-999.	3.4	218
3	Metabolic and evolutionary origin of actin-binding polyketides from diverse organisms. <i>Nature Chemical Biology</i> , 2015, 11, 705-712.	8.0	118
4	Droplet-based microfluidics for high-throughput screening of a metagenomic library for isolation of microbial enzymes. <i>Biosensors and Bioelectronics</i> , 2015, 67, 379-385.	10.1	88
5	High-Density Microcavity Array for Cell Detection: Single-Cell Analysis of Hematopoietic Stem Cells in Peripheral Blood Mononuclear Cells. <i>Analytical Chemistry</i> , 2009, 81, 5308-5313.	6.5	74
6	Single-bacterial genomics validates rich and varied specialized metabolism of uncultivated <i>Entotheonella</i> sponge symbionts. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 1718-1723.	7.1	70
7	High-Efficiency Single-Cell Entrapment and Fluorescence in Situ Hybridization Analysis Using a Poly(dimethylsiloxane) Microfluidic Device Integrated with a Black Poly(ethylene terephthalate) Micromesh. <i>Analytical Chemistry</i> , 2008, 80, 5139-5145.	6.5	57
8	Monodisperse Picoliter Droplets for Low-Bias and Contamination-Free Reactions in Single-Cell Whole Genome Amplification. <i>PLoS ONE</i> , 2015, 10, e0138733.	2.5	55
9	Balancing intestinal and systemic inflammation through cell type-specific expression of the aryl hydrocarbon receptor repressor. <i>Scientific Reports</i> , 2016, 6, 26091.	3.3	54
10	Antimicrobial peptides extend lifespan in <i>Drosophila</i> . <i>PLoS ONE</i> , 2017, 12, e0176689.	2.5	53
11	Microfluidic Device with Chemical Gradient for Single-Cell Cytotoxicity Assays. <i>Analytical Chemistry</i> , 2011, 83, 3648-3654.	6.5	48
12	Enhancement of transient gene expression by fed-batch culture of HEK 293 EBNA1 cells in suspension. <i>Biotechnology Letters</i> , 2006, 28, 843-848.	2.2	37
13	In Situ Detection of Antibiotic Amphotericin B Produced in <i>Streptomyces nodosus</i> Using Raman Microspectroscopy. <i>Marine Drugs</i> , 2014, 12, 2827-2839.	4.6	30
14	Construction of bioengineered yeast platform for direct bioethanol production from alginate and mannitol. <i>Applied Microbiology and Biotechnology</i> , 2017, 101, 6627-6636.	3.6	29
15	Temporal fluctuation in the abundance of alginate-degrading bacteria in the gut of abalone <i>Haliotis gigantea</i> over 1 year. <i>Aquaculture Research</i> , 2016, 47, 2899-2908.	1.8	24
16	Development of a Cell Surface Display System in a Magnetotactic Bacterium, <i>Magnetospirillum magneticum</i> AMB-1. <i>Applied and Environmental Microbiology</i> , 2008, 74, 3342-3348.	3.1	22
17	<i>Falsirhodobacter</i> sp. alg1 Harbors Single Homologs of Endo and Exo-Type Alginate Lyases Efficient for Alginate Depolymerization. <i>PLoS ONE</i> , 2016, 11, e0155537.	2.5	21
18	Detection of epidermal growth factor receptor (EGFR) mutations in non-small cell lung cancer (NSCLC) using a fully automated system with a nano-scale engineered biomagnetite. <i>Biosensors and Bioelectronics</i> , 2007, 22, 2282-2288.	10.1	17

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19	Enrichment of bacteria and alginate lyase genes potentially involved in brown alga degradation in the gut of marine gastropods. <i>Scientific Reports</i> , 2019, 9, 2129.	3.3	17
20	Nano-sized bacterial magnetic particles displaying pyruvate phosphate dikinase for pyrosequencing. <i>Biotechnology and Bioengineering</i> , 2009, 103, 130-137.	3.3	15
21	<i>Formosa haliotis</i> sp. nov., a brown-alga-degrading bacterium isolated from the gut of the abalone <i>Haliotis gigantea</i> . <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2015, 65, 4388-4393.	1.7	15
22	Single-cell metabolite detection and genomics reveals uncultivated talented producer. , 2022, 1, .		15
23	Characterization of a novel gene involved in cadmium accumulation screened from sponge-associated bacterial metagenome. <i>Gene</i> , 2016, 576, 618-625.	2.2	12
24	Taxonomic Distribution of Tetrodotoxin in Acotylean Flatworms (Polycladida: Platyhelminthes). <i>Marine Biotechnology</i> , 2020, 22, 805-811.	2.4	12
25	Evaluation of Anti-glycation Activities of Phlorotannins in Human and Bovine Serum Albumin-methylglyoxal Models. <i>Natural Product Communications</i> , 2017, 12, 1934578X1701201.	0.5	10
26	Abiotic Factors Promote Cell Penetrating Peptide Permeability in Enterobacteriaceae Models. <i>Frontiers in Microbiology</i> , 2019, 10, 2534.	3.5	10
27	Critical Side Chain Effects of Cell-Penetrating Peptides for Transporting Oligo Peptide Nucleic Acids in Bacteria. <i>ACS Applied Bio Materials</i> , 2021, 4, 3462-3468.	4.6	10
28	Analysis of bacterial xylose isomerase gene diversity using gene-targeted metagenomics. <i>Journal of Bioscience and Bioengineering</i> , 2015, 120, 174-180.	2.2	8
29	Comprehensive evaluation of leukocyte lineage derived from human hematopoietic cells in humanized mice. <i>Journal of Bioscience and Bioengineering</i> , 2012, 113, 529-535.	2.2	7
30	Draft Genome Sequence of <i>Falsirhodobacter</i> sp. Strain alg1, an Alginate-Degrading Bacterium Isolated from Fermented Brown Algae. <i>Genome Announcements</i> , 2014, 2, .	0.8	6
31	A stable human progesterone receptor expressing HeLa reporter cell line as a tool in chemical evaluation at the different cell-cycle phases. <i>Toxicology Letters</i> , 2009, 186, 123-129.	0.8	5
32	Genome Sequence of <i>Formosa haliotis</i> Strain MA1, a Brown Alga-Degrading Bacterium Isolated from the Gut of Abalone <i>Haliotis gigantea</i> . <i>Genome Announcements</i> , 2016, 4, .	0.8	5
33	Diversity, enumeration, and isolation of <i>Arcobacter</i> spp. in the giant abalone, <i>Haliotis gigantea</i> . <i>MicrobiologyOpen</i> , 2019, 8, e890.	3.0	5
34	Microbial community analysis in the gills of abalones suggested possible dominance of epsilonproteobacterium in <i>Haliotis gigantea</i> . <i>PeerJ</i> , 2020, 8, e9326.	2.0	5
35	Reporter gene assay against lipophilic chemicals based on site-specific genomic recombination of a nuclear receptor gene, its response element, and a luciferase reporter gene within a stable HeLa cell line. <i>Biotechnology and Bioengineering</i> , 2008, 99, 1453-1461.	3.3	4
36	Whole Genome Analyses of Marine Fish Pathogenic Isolate, <i>Mycobacterium</i> sp. 012931. <i>Marine Biotechnology</i> , 2014, 16, 572-579.	2.4	4

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37	SAG-QC: quality control of single amplified genome information by subtracting non-target sequences based on sequence compositions. BMC Bioinformatics, 2017, 18, 152.	2.6	4
38	Development of an Analysis Method for 4-Deoxy-l-erythro-5-hexoseulose Uronic Acid by LC/ESI/MS with Selected Ion Monitoring. Natural Product Communications, 2017, 12, 1934578X1701200.	0.5	3
39	Evaluation of Anti-glycation Activities of Phlorotannins in Human and Bovine Serum Albumin-glyceraldehyde Models. Natural Product Communications, 2018, 13, 1934578X1801300.	0.5	3
40	Production of 4-Deoxy-L-erythro-5-Hexoseulose Uronic Acid Using Two Free and Immobilized Alginate Lyases from Falsirhodobacter sp. Alg1. Molecules, 2022, 27, 3308.	3.8	3
41	Metabolism and Innate Immunity: FOXO Regulation of Antimicrobial Peptides in <i>Drosophila</i>. Else-KrÄ¶ner-Fresenius-Symposia, 2013, , 103-111.	0.1	2
42	Simultaneous detection of multiple mutations conferring streptomycin resistance inMycobacterium tuberculosis using nanoscale engineered biomagnetites. Nanobiotechnology, 2006, 2, 71-78.	1.2	1
43	Cellular Responses to Electrochemical Killing Process by Applying a Constant Potential in Synchronously Cultured Saccharomyces Cerevisiae. Electrochemistry, 2008, 76, 603-605.	1.4	1
44	A single-cell based biosensing device directed for lipophilic chemical screening and evaluation. Journal of Bioscience and Bioengineering, 2009, 108, S150-S151.	2.2	0
45	Marine Metagenome and Supporting Technology. , 2015, , 497-508.		0
46	A Simple Analysis Method for 4-Deoxy-l-erythro-5-hexoseulose Uronic Acid by HPLC-ELSD with Column for Anion Analysis. Natural Product Communications, 2019, 14, 1934578X1985099.	0.5	0
47	Chemical surprises from an uncultivated sponge symbiont. Planta Medica, 2012, 78, .	1.3	0