Tetsushi Mori

List of Publications by Year
in descending order

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47 papers	1,729 citations	471477 17 h-index	289230 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. Nature, 2014, 506, 58-62.	27.8	530
2	Formation of magnetite by bacteria and its application. Journal of the Royal Society Interface, 2008, 5, 977-999.	3.4	218
3	Metabolic and evolutionary origin of actin-binding polyketides from diverse organisms. Nature Chemical Biology, 2015, 11, 705-712.	8.0	118
4	Droplet-based microfluidics for high-throughput screening of a metagenomic library for isolation of microbial enzymes. Biosensors and Bioelectronics, 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. Analytical Chemistry, 2009, 81, 5308-5313.	6.5	74
6	Single-bacterial genomics validates rich and varied specialized metabolism of uncultivated Entotheonella sponge symbionts. Proceedings of the National Academy of Sciences of the United States of America, 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. Analytical Chemistry, 2008, 80, 5139-5145.	6.5	57
8	Monodisperse Picoliter Droplets for Low-Bias and Contamination-Free Reactions in Single-Cell Whole Genome Amplification. PLoS ONE, 2015, 10, e0138733.	2.5	55
9	Balancing intestinal and systemic inflammation through cell type-specific expression of the aryl hydrocarbon receptor repressor. Scientific Reports, 2016, 6, 26091.	3.3	54
10	Antimicrobial peptides extend lifespan in Drosophila. PLoS ONE, 2017, 12, e0176689.	2.5	53
11	Microfluidic Device with Chemical Gradient for Single-Cell Cytotoxicity Assays. Analytical Chemistry, 2011, 83, 3648-3654.	6.5	48
12	Enhancement of transient gene expression by fed-batch culture of HEK 293 EBNA1 cells in suspension. Biotechnology Letters, 2006, 28, 843-848.	2.2	37
13	In Situ Detection of Antibiotic Amphotericin B Produced in Streptomyces nodosus Using Raman Microspectroscopy. Marine Drugs, 2014, 12, 2827-2839.	4.6	30
14	Construction of bioengineered yeast platform for direct bioethanol production from alginate and mannitol. Applied Microbiology and Biotechnology, 2017, 101, 6627-6636.	3.6	29
15	Temporal fluctuation in the abundance of alginateâ€degrading bacteria in the gut of abalone <scp>H</scp> aliotis gigantea over 1Âyear. Aquaculture Research, 2016, 47, 2899-2908.	1.8	24
16	Development of a Cell Surface Display System in a Magnetotactic Bacterium, â€œ Magnetospirillum magneticum â€•AMB-1. Applied and Environmental Microbiology, 2008, 74, 3342-3348.	3.1	22
17	Falsirhodobacter sp. alg1 Harbors Single Homologs of Endo and Exo-Type Alginate Lyases Efficient for Alginate Depolymerization. PLoS ONE, 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. Biosensors and Bioelectronics, 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. Scientific Reports, 2019, 9, 2129.	3.3	17
20	Nanoâ€sized bacterial magnetic particles displaying pyruvate phosphate dikinase for pyrosequencing. Biotechnology and Bioengineering, 2009, 103, 130-137.	3.3	15
21	Formosa haliotis sp. nov., a brown-alga-degrading bacterium isolated from the gut of the abalone Haliotis gigantea. International Journal of Systematic and Evolutionary Microbiology, 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. Gene, 2016, 576, 618-625.	2.2	12
24	Taxonomic Distribution of Tetrodotoxin in Acotylean Flatworms (Polycladida: Platyhelminthes). Marine Biotechnology, 2020, 22, 805-811.	2.4	12
25	Evaluation of Anti-glycation Activities of Phlorotannins in Human and Bovine Serum Albumin-methylglyoxal Models. Natural Product Communications, 2017, 12, 1934578X1701201.	0.5	10
26	Abiotic Factors Promote Cell Penetrating Peptide Permeability in Enterobacteriaceae Models. Frontiers in Microbiology, 2019, 10, 2534.	3.5	10
27	Critical Side Chain Effects of Cell-Penetrating Peptides for Transporting Oligo Peptide Nucleic Acids in Bacteria. ACS Applied Bio Materials, 2021, 4, 3462-3468.	4.6	10
28	Analysis of bacterial xylose isomerase gene diversity using gene-targeted metagenomics. Journal of Bioscience and Bioengineering, 2015, 120, 174-180.	2.2	8
29	Comprehensive evaluation of leukocyte lineage derived from human hematopoietic cells in humanized mice. Journal of Bioscience and Bioengineering, 2012, 113, 529-535.	2.2	7
30	Draft Genome Sequence of Falsirhodobacter sp. Strain alg1, an Alginate-Degrading Bacterium Isolated from Fermented Brown Algae. Genome Announcements, 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. Toxicology Letters, 2009, 186, 123-129.	0.8	5
32	Genome Sequence of Formosa haliotis Strain MA1, a Brown Alga-Degrading Bacterium Isolated from the Gut of Abalone Haliotis gigantea. Genome Announcements, 2016, 4, .	0.8	5
33	Diversity, enumeration, and isolation of Arcobacter spp. in the giant abalone, Haliotis gigantea. MicrobiologyOpen, 2019, 8, e890.	3.0	5
34	Microbial community analysis in the gills of abalones suggested possible dominance of epsilonproteobacterium in Haliotis gigantea. PeerJ, 2020, 8, e9326.	2.0	5
35	Reporter gene assay against lipophilic chemicals based on siteâ€specific genomic recombination of a nuclear receptor gene, its response element, and a luciferase reporter gene within a stable HeLa cell line. Biotechnology and Bioengineering, 2008, 99, 1453-1461.	3.3	4
36	Whole Genome Analyses of Marine Fish Pathogenic Isolate, Mycobacterium sp. 012931. Marine Biotechnology, 2014, 16, 572-579.	2.4	4

#	Article	IF	Citations
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-KrÃ¶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