

Toru Mizuki

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

760
citations

471509

17
h-index

526287

27
g-index

30
all docs

30
docs citations

30
times ranked

999
citing authors

#	ARTICLE	IF	CITATIONS
1	Organic solvent tolerance of halophilic α -amylase from a Haloarchaeon, Haloarcula sp. strain S-1. <i>Extremophiles</i> , 2005, 9, 85-89.	2.3	112
2	Endospores of halophilic bacteria of the family Bacillaceae isolated from non-saline Japanese soil may be transported by Kosa event (Asian dust storm). <i>Saline Systems</i> , 2005, 1, 8.	2.0	76
3	<i>Haloferax elongans</i> sp. nov. and <i>Haloferax mucosum</i> sp. nov., isolated from microbial mats from Hamelin Pool, Shark Bay, Australia. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2008, 58, 798-802.	1.7	46
4	Activity of an enzyme immobilized on superparamagnetic particles in a rotational magnetic field. <i>Biochemical and Biophysical Research Communications</i> , 2010, 393, 779-782.	2.1	46
5	Synthesis of nanoparticles composed of silver and silver chloride for a plasmonic photocatalyst using an extract from a weed <i>Solidago altissima</i> (goldenrod). <i>Advances in Natural Sciences: Nanoscience and Nanotechnology</i> , 2016, 7, 015002.	1.5	45
6	<i>Natronoarchaeum mannanyticum</i> gen. nov., sp. nov., an aerobic, extremely halophilic archaeon isolated from commercial salt. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2010, 60, 2529-2534.	1.7	43
7	<i>Halalkalibacillus halophilus</i> gen. nov., sp. nov., a novel moderately halophilic and alkaliphilic bacterium isolated from a non-saline soil sample in Japan. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2007, 57, 1081-1085.	1.7	38
8	<i>Alkalibacillus silvisoli</i> sp. nov., an alkaliphilic moderate halophile isolated from non-saline forest soil in Japan. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2007, 57, 770-774.	1.7	31
9	Extremophilic polysaccharide nanoparticles for cancer nanotherapy and evaluation of antioxidant properties. <i>International Journal of Biological Macromolecules</i> , 2015, 76, 310-319.	7.5	30
10	Acidophilic haloarchaeal strains are isolated from various solar salts. <i>Saline Systems</i> , 2008, 4, 16.	2.0	26
11	<i>Geomicrobium halophilum</i> gen. nov., sp. nov., a moderately halophilic and alkaliphilic bacterium isolated from soil. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2010, 60, 990-995.	1.7	26
12	Activity of Lipase and Chitinase Immobilized on Superparamagnetic Particles in a Rotational Magnetic Field. <i>PLoS ONE</i> , 2013, 8, e66528.	2.5	22
13	Organic solvent tolerance of halophilic archaea, Haloarcula strains: Effects of NaCl concentration on the tolerance and polar lipid composition. <i>Journal of Bioscience and Bioengineering</i> , 2005, 99, 169-174.	2.2	21
14	Ureasases of Extreme Halophiles of the Genus Haloarcula with a Unique Structure of Gene Cluster. <i>Bioscience, Biotechnology and Biochemistry</i> , 2004, 68, 397-406.	1.3	20
15	Intracellular trafficking of superparamagnetic iron oxide nanoparticles conjugated with TAT peptide: 3-dimensional electron tomography analysis. <i>Biochemical and Biophysical Research Communications</i> , 2012, 421, 763-767.	2.1	20
16	Formation of Core-Shell Nanoparticles Composed of Magnetite and Samarium Oxide in <i>Magnetospirillum magneticum</i> Strain RSS-1. <i>PLoS ONE</i> , 2017, 12, e0170932.	2.5	19
17	Molecular Mechanism of Distinct Salt-Dependent Enzyme Activity of Two Halophilic Nucleoside Diphosphate Kinases. <i>Biochemical Journal</i> , 2009, 96, 4692-4700.	0.5	18
18	Encouragement of Enzyme Reaction Utilizing Heat Generation from Ferromagnetic Particles Subjected to an AC Magnetic Field. <i>PLoS ONE</i> , 2015, 10, e0127673.	2.5	17

#	ARTICLE	IF	CITATIONS
19	Organic Solvent Tolerance of Halophilic Archaea. <i>Bioscience, Biotechnology and Biochemistry</i> , 2003, 67, 1809-1812.	1.3	14
20	The Potential Use of Signature Bases from 16S rRNA Gene Sequences To Aid the Assignment of Microbial Strains to Genera of Halobacteria. , 2004, , 77-87.		14
21	Acetosulfation of bacterial cellulose: An unexplored promising incipient candidate for highly transparent thin film. <i>Materials Express</i> , 2014, 4, 415-421.	0.5	12
22	Synthesis of Feâ€C60 complex by ion irradiation. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2013, 310, 18-22.	1.4	11
23	Efficient DNA ligation by selective heating of DNA ligase with a radio frequency alternating magnetic field. <i>Biochemistry and Biophysics Reports</i> , 2016, 8, 360-364.	1.3	10
24	Scaffold mediated delivery of dual miRNAs to transdifferentiate cardiac fibroblasts. <i>Materials Science and Engineering C</i> , 2021, 128, 112323.	7.3	10
25	Biological Synthesis of Bioactive Gold Nanoparticles from <i>Inonotus obliquus</i> for Dual Chemo-Photothermal Effects against Human Brain Cancer Cells. <i>International Journal of Molecular Sciences</i> , 2022, 23, 2292.	4.1	10
26	Isolation and cultivation of a novel sulfate-reducing magnetotactic bacterium belonging to the genus <i>Desulfovibrio</i> . <i>PLoS ONE</i> , 2021, 16, e0248313.	2.5	8
27	Effect of Polyethylene Glycol on the Formation of Magnetic Nanoparticles Synthesized by <i>Magnetospirillum magnetotacticum</i> MS-1. <i>PLoS ONE</i> , 2015, 10, e0127481.	2.5	6
28	Capture of nonmagnetic particles and living cells using a microelectromagnetic system. <i>Journal of Applied Physics</i> , 2008, 104, 094509.	2.5	5
29	Detection and Analysis of Targeted Biological Cells by Electrophoretic Coulter Method. <i>Analytical Chemistry</i> , 2017, 89, 12450-12457.	6.5	4
30	Enzymes of Halophilic Archaea. , 2005, , 227-238.		0