

Weimin Gao

List of Publications by Year in descending order

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33
papers

991
citations

471509

17
h-index

477307

29
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33
all docs

33
docs citations

33
times ranked

1772
citing authors

#	ARTICLE	IF	CITATIONS
1	Metal Reduction and Iron Biomineralization by a Psychrotolerant Fe(III)-Reducing Bacterium, <i>Shewanella</i> sp. Strain PV-4. <i>Applied and Environmental Microbiology</i> , 2006, 72, 3236-3244.	3.1	132
2	Comparative metagenomics reveals impact of contaminants on groundwater microbiomes. <i>Frontiers in Microbiology</i> , 2015, 6, 1205.	3.5	77
3	Reduction of Uranium(VI) to Uranium(IV) by <i>Clostridia</i> . <i>Applied and Environmental Microbiology</i> , 2008, 74, 4580-4584.	3.1	76
4	Transcriptome Analysis of <i>Shewanella oneidensis</i> MR-1 in Response to Elevated Salt Conditions. <i>Journal of Bacteriology</i> , 2005, 187, 2501-2507.	2.2	74
5	RT-qPCR based quantitative analysis of gene expression in single bacterial cells. <i>Journal of Microbiological Methods</i> , 2011, 85, 221-227.	1.6	61
6	Triazacryptand-based fluorescent sensors for extracellular and intracellular K ⁺ sensing. <i>Biomaterials</i> , 2011, 32, 8574-8583.	11.4	54
7	Knock-out of SO1377 gene, which encodes the member of a conserved hypothetical bacterial protein family COG2268, results in alteration of iron metabolism, increased spontaneous mutation and hydrogen peroxide sensitivity in <i>Shewanella oneidensis</i> MR-1. <i>BMC Genomics</i> , 2006, 7, 76.	2.8	51
8	Effects of a strong static magnetic field on bacterium <i>Shewanella oneidensis</i> : An assessment by using whole genome microarray. <i>Bioelectromagnetics</i> , 2005, 26, 558-563.	1.6	48
9	Influence of matrices on oxygen sensing of three sensing films with chemically conjugated platinum porphyrin probes and preliminary application for monitoring of oxygen consumption of <i>Escherichia coli</i> (<i>E. coli</i>). <i>Sensors and Actuators B: Chemical</i> , 2010, 150, 579-587.	7.8	48
10	Integrated Metagenomic and Metatranscriptomic Analyses of Microbial Communities in the Meso- and Bathypelagic Realm of North Pacific Ocean. <i>Marine Drugs</i> , 2013, 11, 3777-3801.	4.6	41
11	Parallel RNA extraction using magnetic beads and a droplet array. <i>Lab on A Chip</i> , 2015, 15, 1059-1065.	6.0	38
12	Improved Performance of Loop-Mediated Isothermal Amplification Assays via Swarm Priming. <i>Analytical Chemistry</i> , 2017, 89, 625-632.	6.5	37
13	A dual sensor for real-time monitoring of glucose and oxygen. <i>Biomaterials</i> , 2013, 34, 9779-9788.	11.4	31
14	Ratiometric fluorescent pH-sensitive polymers for high-throughput monitoring of extracellular pH. <i>RSC Advances</i> , 2016, 6, 46134-46142.	3.6	31
15	Monitoring the Single-Cell Stress Response of the Diatom <i>Thalassiosira pseudonana</i> by Quantitative Real-Time Reverse Transcription-PCR. <i>Applied and Environmental Microbiology</i> , 2013, 79, 1850-1858.	3.1	23
16	Identification of anti-Epstein-Barr virus (EBV) antibody signature in EBV-associated gastric carcinoma. <i>Gastric Cancer</i> , 2021, 24, 858-867.	5.3	23
17	Optimization of whole-transcriptome amplification from low cell density deep-sea microbial samples for metatranscriptomic analysis. <i>Journal of Microbiological Methods</i> , 2011, 84, 88-93.	1.6	20
18	Microbe observation and cultivation array (MOCA) for cultivating and analyzing environmental microbiota. <i>Microbiome</i> , 2013, 1, 4.	11.1	18

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19	<i>Helicobacter pylori</i> Immunoproteomic Profiles in Gastric Cancer. Journal of Proteome Research, 2021, 20, 409-419.	3.7	16
20	A Rhizobium strain that nodulates and fixes nitrogen in association with alfalfa and soybean plants. Microbiology (United Kingdom), 1995, 141, 1957-1962.	1.8	15
21	Measuring gene expression in single bacterial cells: recent advances in methods and micro-devices. Critical Reviews in Biotechnology, 2015, 35, 448-460.	9.0	14
22	Characterization of Co(III) EDTA-Reducing Bacteria in Metal- and Radionuclide-Contaminated Groundwater. Geomicrobiology Journal, 2010, 27, 93-100.	2.0	11
23	Quantitative single-cell gene expression measurements of multiple genes in response to hypoxia treatment. Analytical and Bioanalytical Chemistry, 2011, 401, 3-13.	3.7	11
24	A Minimally Invasive Method for Retrieving Single Adherent Cells of Different Types from Cultures. Scientific Reports, 2014, 4, 5424.	3.3	10
25	Phylogenetic and Gene Expression Analysis of Cyanobacteria and Diatoms in the Twilight Waters of the Temperate Northeast Pacific Ocean. Microbial Ecology, 2011, 62, 765-775.	2.8	9
26	Fermentation and Hydrogen Metabolism Affect Uranium Reduction by Clostridia. ISRN Biotechnology, 2013, 2013, 1-11.	1.9	8
27	Identification of stable reference genes for lipopolysaccharide-stimulated macrophage gene expression studies. Biology Methods and Protocols, 2016, 1, bpw005.	2.2	7
28	Platform for combined analysis of functional and biomolecular phenotypes of the same cell. Scientific Reports, 2017, 7, 44636.	3.3	4
29	Transcriptional regulation by normal epithelium of premalignant to malignant progression in Barrett's esophagus. Scientific Reports, 2016, 6, 35227.	3.3	3
30	Tu1294 - Helicobacter Pylori Immunoproteomic Profiles in Patients with Gastric Cancer. Gastroenterology, 2018, 154, S-926.	1.3	0
31	Abstract 4033: Suppressive role of normal epithelium in pre-malignant to malignant progression of Barrett's esophagus. , 2015, , .		0
32	Abstract LB-027: Single-cell analysis of functional heterogeneity dynamics in premalignant progression revealed by combined interrogation of functional and transcriptional phenotypes. , 2016, , .		0
33	Abstract 2370: Elevated levels of anti-Epstein Barr virus (EBV) antibodies in EBV-associated gastric carcinoma. , 2020, , .		0