

Yizhi Song

List of Publications by Year in descending order

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29
papers

996
citations

394421

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26
g-index

30
all docs

30
docs citations

30
times ranked

1067
citing authors

#	ARTICLE	IF	CITATIONS
1	Application of Bacterial Whole-Cell Biosensors in Health. , 2022, , 945-961.		4
2	Characterization and identification of microplastics using Raman spectroscopy coupled with multivariate analysis. <i>Analytica Chimica Acta</i> , 2022, 1197, 339519.	5.4	39
3	Ultrasensitive SERS Analysis of Liquid and Gaseous Putrescine and Cadaverine by a 3D-Rosettelike Nanostructure-Decorated Flexible Porous Substrate. <i>Analytical Chemistry</i> , 2022, 94, 5273-5283.	6.5	17
4	Single Cell Raman Spectroscopy Deuterium Isotope Probing for Rapid Antimicrobial Susceptibility Test of <i>Elizabethkingia</i> spp.. <i>Frontiers in Microbiology</i> , 2022, 13, 876925.	3.5	5
5	TRPV1, a novel biomarker associated with lung cancer via excluding immune infiltration. <i>MedComm</i> , 2022, 3, .	7.2	3
6	Redesign of ultrasensitive and robust RecA gene circuit to sense DNA damage. <i>Microbial Biotechnology</i> , 2021, 14, 2481-2496.	4.2	2
7	Development of a Fast Raman-Assisted Antibiotic Susceptibility Test (FRAST) for the Antibiotic Resistance Analysis of Clinical Urine and Blood Samples. <i>Analytical Chemistry</i> , 2021, 93, 5098-5106.	6.5	45
8	In Vitro Anticancer Drug Sensitivity Sensing through Single-Cell Raman Spectroscopy. <i>Biosensors</i> , 2021, 11, 286.	4.7	9
9	Whole-cell bioreporters for evaluating petroleum hydrocarbon contamination. <i>Critical Reviews in Environmental Science and Technology</i> , 2021, 51, 272-322.	12.8	29
10	Lysophosphatidic Acid Receptor 6 (LPAR6) Is a Potential Biomarker Associated with Lung Adenocarcinoma. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 11038.	2.6	3
11	Proteorhodopsin Overproduction Enhances the Long-Term Viability of <i>Escherichia coli</i> . <i>Applied and Environmental Microbiology</i> , 2019, 86, .	3.1	12
12	Raman profiling of embryo culture medium to identify aneuploid and euploid embryos. <i>Fertility and Sterility</i> , 2019, 111, 753-762.e1.	1.0	33
13	Monitoring Cr toxicity and remediation processes - combining a whole-cell bioreporter and Cr isotope techniques. <i>Water Research</i> , 2019, 153, 295-303.	11.3	20
14	Application of Bacterial Whole-Cell Biosensors in Health. , 2019, , 1-17.		1
15	Microbial degradation of organophosphorus pesticides: novel degraders, kinetics, functional genes, and genotoxicity assessment. <i>Environmental Science and Pollution Research</i> , 2019, 26, 21668-21681.	5.3	41
16	Effect of Laser Irradiation on Cell Function and Its Implications in Raman Spectroscopy. <i>Applied and Environmental Microbiology</i> , 2018, 84, .	3.1	40
17	Application of a bacterial whole cell biosensor for the rapid detection of cytotoxicity in heavy metal contaminated seawater. <i>Chemosphere</i> , 2018, 200, 322-329.	8.2	44
18	Raman-activated cell sorting and metagenomic sequencing revealing carbon-fixing bacteria in the ocean. <i>Environmental Microbiology</i> , 2018, 20, 2241-2255.	3.8	62

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19	Single-cell genomics based on Raman sorting reveals novel carotenoid-containing bacteria in the Red Sea. <i>Microbial Biotechnology</i> , 2017, 10, 125-137.	4.2	72
20	Raman-Deuterium Isotope Probing for in-situ identification of antimicrobial resistant bacteria in Thames River. <i>Scientific Reports</i> , 2017, 7, 16648.	3.3	69
21	Raman Deuterium Isotope Probing Reveals Microbial Metabolism at the Single-Cell Level. <i>Analytical Chemistry</i> , 2017, 89, 13305-13312.	6.5	51
22	Raman activated cell sorting. <i>Current Opinion in Chemical Biology</i> , 2016, 33, 1-8.	6.1	83
23	Reverse and Multiple Stable Isotope Probing to Study Bacterial Metabolism and Interactions at the Single Cell Level. <i>Analytical Chemistry</i> , 2016, 88, 9443-9450.	6.5	72
24	Single cell biotechnology to shed a light on biological "dark matter" in nature. <i>Microbial Biotechnology</i> , 2015, 8, 15-16.	4.2	20
25	The influence of carbon sources on the expression of the recA gene and genotoxicity detection by an <i>Acinetobacter</i> bioreporter. <i>Environmental Sciences: Processes and Impacts</i> , 2015, 17, 835-843.	3.5	7
26	Use of a whole-cell bioreporter, <i>Acinetobacter baylyi</i> , to estimate the genotoxicity and bioavailability of chromium(VI)-contaminated soils. <i>Biotechnology Letters</i> , 2015, 37, 343-348.	2.2	29
27	A whole-cell bioreporter approach for the genotoxicity assessment of bioavailability of toxic compounds in contaminated soil in China. <i>Environmental Pollution</i> , 2014, 195, 178-184.	7.5	40
28	Optimization of Bacterial Whole Cell Bioreporters for Toxicity Assay of Environmental Samples. <i>Environmental Science & Technology</i> , 2009, 43, 7931-7938.	10.0	84
29	Ultrasound-mediated DNA transfer for bacteria. <i>Nucleic Acids Research</i> , 2007, 35, e129-e129.	14.5	60