

Yidan Hu

List of Publications by Year in descending order

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12
papers

550
citations

933447

10
h-index

1199594

12
g-index

12
all docs

12
docs citations

12
times ranked

696
citing authors

#	ARTICLE	IF	CITATIONS
1	Biofilm Biology and Engineering of <i>Geobacter</i> and <i>Shewanella</i> spp. for Energy Applications. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 786416.	4.1	20
2	<i>Shewanella</i> biofilm development and engineering for environmental and bioenergy applications. <i>Current Opinion in Chemical Biology</i> , 2020, 59, 84-92.	6.1	39
3	Biofilm-Biology-Informed Biofilm Engineering for Environmental Biotechnology. <i>ACS Symposium Series</i> , 2019, , 59-82.	0.5	5
4	Optogenetic Modulation of a Catalytic Biofilm for the Biotransformation of Indole into Tryptophan. <i>ChemSusChem</i> , 2019, 12, 5142-5148.	6.8	19
5	Harnessing the Periplasm of Bacterial Cells To Develop Biocatalysts for the Biosynthesis of Highly Pure Chemicals. <i>Applied and Environmental Microbiology</i> , 2018, 84, .	3.1	7
6	Engineering a light-responsive, quorum quenching biofilm to mitigate biofouling on water purification membranes. <i>Science Advances</i> , 2018, 4, eaau1459.	10.3	59
7	Synthetic <i>Saccharomyces cerevisiae</i> – <i>Shewanella oneidensis</i> consortium enables glucose-fed high-performance microbial fuel cell. <i>AIChE Journal</i> , 2017, 63, 1830-1838.	3.6	46
8	A near-infrared light responsive c-di-GMP module-based AND logic gate in <i>Shewanella oneidensis</i> . <i>Chemical Communications</i> , 2017, 53, 1646-1648.	4.1	22
9	Enhancing Bidirectional Electron Transfer of <i>Shewanella oneidensis</i> by a Synthetic Flavin Pathway. <i>ACS Synthetic Biology</i> , 2015, 4, 815-823.	3.8	219
10	Programming the quorum sensing-based AND gate in <i>Shewanella oneidensis</i> for logic gated-microbial fuel cells. <i>Chemical Communications</i> , 2015, 51, 4184-4187.	4.1	41
11	Engineering Electrode-Attached Microbial Consortia for High-Performance Xylose-Fed Microbial Fuel Cell. <i>ACS Catalysis</i> , 2015, 5, 6937-6945.	11.2	61
12	Artificially Constructed Quorum-Sensing Circuits Are Used for Subtle Control of Bacterial Population Density. <i>PLoS ONE</i> , 2014, 9, e104578.	2.5	12