

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