

# Xiaofei Li

## List of Publications by Year in descending order

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Version: 2024-02-01

36  
papers

1,775  
citations

279798

23  
h-index

345221

36  
g-index

37  
all docs

37  
docs citations

37  
times ranked

1442  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Microbial extracellular electron transfer and strategies for engineering electroactive microorganisms. <i>Biotechnology Advances</i> , 2021, 53, 107682.	11.7	130
3	Enhanced <i>Shewanella</i> biofilm promotes bioelectricity generation. <i>Biotechnology and Bioengineering</i> , 2015, 112, 2051-2059.	3.3	129
4	Modular engineering to increase intracellular NAD(H <sup>+</sup> ) promotes rate of extracellular electron transfer of <i>Shewanella oneidensis</i> . <i>Nature Communications</i> , 2018, 9, 3637.	12.8	116
5	Enzyme-Assisted Microbial Electrosynthesis of Poly(3-hydroxybutyrate) via CO <sub>2</sub> Bio-reduction by Engineered <i>Ralstonia eutropha</i> . <i>ACS Catalysis</i> , 2018, 8, 4429-4437.	11.2	95
6	CRISPRi-sRNA: Transcriptional-Translational Regulation of Extracellular Electron Transfer in <i>Shewanella oneidensis</i> . <i>ACS Synthetic Biology</i> , 2017, 6, 1679-1690.	3.8	76
7	Modular Engineering Intracellular NADH Regeneration Boosts Extracellular Electron Transfer of <i>Shewanella oneidensis</i> MR-1. <i>ACS Synthetic Biology</i> , 2018, 7, 885-895.	3.8	74
8	Construction of Functionally Compartmental Inorganic Photocatalyst-Enzyme System via Imitating Chloroplast for Efficient Photoreduction of CO <sub>2</sub> to Formic Acid. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 34795-34805.	8.0	71
9	Direct microbial electron uptake as a mechanism for stainless steel corrosion in aerobic environments. <i>Water Research</i> , 2022, 219, 118553.	11.3	63
10	Engineering Electrode-Attached Microbial Consortia for High-Performance Xylose-Fed Microbial Fuel Cell. <i>ACS Catalysis</i> , 2015, 5, 6937-6945.	11.2	61
11	Increasing intracellular releasable electrons dramatically enhances bioelectricity output in microbial fuel cells. <i>Electrochemistry Communications</i> , 2012, 19, 13-16.	4.7	60
12	Engineering <i>Shewanella oneidensis</i> enables xylose-fed microbial fuel cell. <i>Biotechnology for Biofuels</i> , 2017, 10, 196.	6.2	59
13	Microbial electro-fermentation for synthesis of chemicals and biofuels driven by bi-directional extracellular electron transfer. <i>Synthetic and Systems Biotechnology</i> , 2020, 5, 304-313.	3.7	58
14	A Synthetic Plasmid Toolkit for <i>Shewanella oneidensis</i> MR-1. <i>Frontiers in Microbiology</i> , 2019, 10, 410.	3.5	51
15	Modular Pathway Engineering of <i>Bacillus subtilis</i> To Promote <i>De Novo</i> Biosynthesis of Menaquinone-7. <i>ACS Synthetic Biology</i> , 2019, 8, 70-81.	3.8	51
16	Engineering <i>Saccharomyces cerevisiae</i> for high yield production of Î±-amylin via synergistic remodeling of Î±-amylin synthase and expanding the storage pool. <i>Metabolic Engineering</i> , 2020, 62, 72-83.	7.0	48
17	Adaptive bidirectional extracellular electron transfer during accelerated microbiologically influenced corrosion of stainless steel. <i>Communications Materials</i> , 2021, 2, .	6.9	46
18	Engineering exoelectrogens by synthetic biology strategies. <i>Current Opinion in Electrochemistry</i> , 2018, 10, 37-45.	4.8	43

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19	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
20	Productive Amyrin Synthases for Efficient $\hat{1}\pm$ -Amyrin Synthesis in Engineered <i>Saccharomyces cerevisiae</i> . <i>ACS Synthetic Biology</i> , 2018, 7, 2391-2402.	3.8	40
21	Engineering Microbial Consortia for High-Performance Cellulosic Hydrolyzates-Fed Microbial Fuel Cells. <i>Frontiers in Microbiology</i> , 2019, 10, 409.	3.5	36
22	A thiophene-modified double-shell hollow $g-C_{3N_4}$ nanosphere boosts NADH regeneration via synergistic enhancement of charge excitation and separation. <i>Catalysis Science and Technology</i> , 2019, 9, 1911-1921.	4.1	35
23	Synthetic <i>Klebsiella pneumoniae</i> - <i>Shewanella oneidensis</i> Consortium Enables Glycerol-Fed High-Performance Microbial Fuel Cells. <i>Biotechnology Journal</i> , 2018, 13, e1700491.	3.5	30
24	Photocatalyst-enzyme hybrid systems for light-driven biotransformation. <i>Biotechnology Advances</i> , 2022, 54, 107808.	11.7	25
25	Electricity-driven $\hat{1}\pm$ -hydroxylation of a steroid catalyzed by a cytochrome P450 monooxygenase in engineered yeast. <i>Catalysis Science and Technology</i> , 2019, 9, 4877-4887.	4.1	18
26	Metabolic engineering of <i>Bacillus subtilis</i> for high-titer production of menaquinone-7. <i>AIChE Journal</i> , 2020, 66, e16754.	3.6	16
27	Potential of <i>Zymomonas mobilis</i> as an electricity producer in ethanol production. <i>Biotechnology for Biofuels</i> , 2020, 13, 36.	6.2	16
28	Abiotic-Biological Hybrid Systems for CO <sub>2</sub> Conversion to Value-Added Chemicals and Fuels. <i>Transactions of Tianjin University</i> , 2020, 26, 237-247.	6.4	15
29	Synthetic sRNA-Based Engineering of <i>Escherichia coli</i> for Enhanced Production of Full-Length Immunoglobulin G. <i>Biotechnology Journal</i> , 2020, 15, e1900363.	3.5	10
30	Engineering <i>Shewanella carassii</i> , a newly isolated exoelectrogen from activated sludge, to enhance methyl orange degradation and bioelectricity harvest. <i>Synthetic and Systems Biotechnology</i> , 2022, 7, 918-927.	3.7	9
31	De Novo High-Titer Production of Delta-Tocotrienol in Recombinant <i>Saccharomyces cerevisiae</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 7710-7717.	5.2	8
32	Development of Whole Genome-Scale Base Editing Toolbox to Promote Efficiency of Extracellular Electron Transfer in <i>Shewanella oneidensis</i> MR-1. <i>Advanced Biology</i> , 2022, 6, e2101296.	2.5	6
33	CRISPR/dCas9-RpoD-Mediated Simultaneous Transcriptional Activation and Repression in <i>Shewanella oneidensis</i> MR-1. <i>ACS Synthetic Biology</i> , 2022, 11, 2184-2192.	3.8	6
34	sRNA-Based Screening Chromosomal Gene Targets and Modular Designing <i>Escherichia coli</i> for High-Titer Production of Aglycosylated Immunoglobulin G. <i>ACS Synthetic Biology</i> , 2020, 9, 1385-1394.	3.8	5
35	Type I-F CRISPR-PAIR platform for multi-mode regulation to boost extracellular electron transfer in <i>Shewanella oneidensis</i> . <i>IScience</i> , 2022, 25, 104491.	4.1	4
36	Construction of an Acetate Metabolic Pathway to Enhance Electron Generation of Engineered <i>Shewanella oneidensis</i> . <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 757953.	4.1	3