

# Extracellular electron transfer mechanisms between mi

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Citation Report

#	ARTICLE	IF	CITATIONS
2	Electrochemical insights into bacterial respiration upon polarized substrates: A proposal for tricking bacteria and compelling them to exhibit desired activities. <i>Journal of Electroanalytical Chemistry</i> , 2016, 783, 125-131.	1.9	2
3	Aggregation Kinetics of Hematite Particles in the Presence of Outer Membrane Cytochrome OmcA of <i>Shewanella oneidensis</i> MR-1. <i>Environmental Science &amp; Technology</i> , 2016, 50, 11016-11024.	4.6	53
4	Interaction studies between periplasmic cytochromes provide insights into extracellular electron transfer pathways of <i>Geobacter sulfurreducens</i> . <i>Biochemical Journal</i> , 2017, 474, 797-808.	1.7	20
5	Microbial electrosynthesis of solvents and alcoholic biofuels from nutrient waste: A review. <i>Journal of Environmental Chemical Engineering</i> , 2017, 5, 940-954.	3.3	34
6	High Performance Reduction of $H_2O_2$ with an Electron Transport Decaheme Cytochrome on a Porous ITO Electrode. <i>Journal of the American Chemical Society</i> , 2017, 139, 3324-3327.	6.6	41
7	Wireless electrostimulation: a new approach in combating infection?. <i>Future Microbiology</i> , 2017, 12, 255-265.	1.0	14
8	The ins and outs of microorganismâ€“electrode electron transfer reactions. <i>Nature Reviews Chemistry</i> , 2017, 1, .	13.8	385
9	Microbial Electrochemical Platform: Biofactory with Diverse Applications. <i>Green Energy and Technology</i> , 2017, , 35-50.	0.4	2
10	Cooperative growth of <i>Geobacter sulfurreducens</i> and <i>Clostridium pasteurianum</i> with subsequent metabolic shift in glycerol fermentation. <i>Scientific Reports</i> , 2017, 7, 44334.	1.6	34
11	Understanding the impact of operational conditions on performance of microbial peroxide producing cells. <i>Journal of Power Sources</i> , 2017, 356, 448-458.	4.0	21
12	Toward establishing minimum requirements for extracellular electron transfer in <i>Geobacter sulfurreducens</i> . <i>FEMS Microbiology Letters</i> , 2017, 364, .	0.7	39
13	CRISPRiâ€“sRNA: Transcriptionalâ€“Translational Regulation of Extracellular Electron Transfer in <i>Shewanella oneidensis</i> . <i>ACS Synthetic Biology</i> , 2017, 6, 1679-1690.	1.9	76
14	Bioelectrochemical Systems for Measuring Microbial Cellular Functions. <i>Electroanalysis</i> , 2017, 29, 1498-1505.	1.5	24
15	A synthetic biology approach to engineering living photovoltaics. <i>Energy and Environmental Science</i> , 2017, 10, 1102-1115.	15.6	79
16	Electronic characterization of <i>Geobacter sulfurreducens</i> pilins in self-assembled monolayers unmasks tunnelling and hopping conduction pathways. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 11163-11172.	1.3	12
17	Iron assimilation and utilization in anaerobic ammonium oxidizing bacteria. <i>Current Opinion in Chemical Biology</i> , 2017, 37, 129-136.	2.8	113
18	Enhanced photocurrent production by the synergy of hematite nanowire-arrayed photoanode and bioengineered <i>Shewanella oneidensis</i> MR-1. <i>Biosensors and Bioelectronics</i> , 2017, 94, 227-234.	5.3	57
19	Metal Oxide Reduction Linked to Anaerobic Methane Oxidation. <i>Trends in Microbiology</i> , 2017, 25, 88-90.	3.5	37

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21	Unravelling and Reconstructing the Nexus of Salinity, Electricity, and Microbial Ecology for Bioelectrochemical Desalination. <i>Environmental Science &amp; Technology</i> , 2017, 51, 12672-12682.	4.6	30
22	Electrochemical communication between living cells and conductive surfaces. <i>Current Opinion in Electrochemistry</i> , 2017, 5, 193-202.	2.5	71
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26	Redox dynamics and equilibria of c-type cytochromes in the presence of Fe(II) under anoxic conditions: Insights into enzymatic iron oxidation. <i>Chemical Geology</i> , 2017, 468, 97-104.	1.4	13
27	Directed Biofabrication of Nanoparticles through Regulating Extracellular Electron Transfer. <i>Journal of the American Chemical Society</i> , 2017, 139, 12149-12152.	6.6	64
28	Investigation of a spontaneous mutant reveals novel features of iron uptake in <i>Shewanella oneidensis</i> . <i>Scientific Reports</i> , 2017, 7, 11788.	1.6	17
29	The in situ spectral methods for examining redox status of c-type cytochromes in metal-reducing/oxidizing bacteria. <i>Acta Geochimica</i> , 2017, 36, 544-547.	0.7	2
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37	Redox-Active Oxygen-Containing Functional Groups in Activated Carbon Facilitate Microbial Reduction of Ferrihydrite. <i>Environmental Science &amp; Technology</i> , 2017, 51, 9709-9717.	4.6	113

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38	Investigating extracellular electron transfer of <i>Rikenella microfus</i> : a recurring bacterium in mixed-species biofilms. <i>Sustainable Energy and Fuels</i> , 2017, 1, 1568-1572.	2.5	7
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49	Influence of Anode Potentials on Current Generation and Extracellular Electron Transfer Paths of <i>Geobacter</i> Species. <i>International Journal of Molecular Sciences</i> , 2017, 18, 108.	1.8	30
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57	Stimulated electron transfer inside electroactive biofilm by magnetite for increased performance microbial fuel cell. <i>Applied Energy</i> , 2018, 216, 382-388.	5.1	65
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109	Extracellular Electron Transfer by <i>Shewanella oneidensis</i> Controls Palladium Nanoparticle Phenotype. <i>ACS Synthetic Biology</i> , 2018, 7, 2726-2736.	1.9	63

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111	Boosting Microbial Electrocatalytic Kinetics for High Power Density: Insights into Synthetic Biology and Advanced Nanoscience. <i>Electrochemical Energy Reviews</i> , 2018, 1, 567-598.	13.1	33
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