

# Jessica A Smith

## List of Publications by Year in descending order

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29  
papers

1,820  
citations

257450

24  
h-index

477307

29  
g-index

33  
all docs

33  
docs citations

33  
times ranked

1982  
citing authors

#	ARTICLE	IF	CITATIONS
1	Aromatic Amino Acids Required for Pili Conductivity and Long-Range Extracellular Electron Transport in <i>Geobacter sulfurreducens</i> . <i>MBio</i> , 2013, 4, .	4.1	179
2	Aromatic Amino Acids Required for Pili Conductivity and Long-Range Extracellular Electron Transport in <i>Geobacter sulfurreducens</i> . <i>MBio</i> , 2013, 4, e00105-13.	4.1	148
3	A novel Cu-bearing high-entropy alloy with significant antibacterial behavior against corrosive marine biofilms. <i>Journal of Materials Science and Technology</i> , 2020, 46, 201-210.	10.7	108
4	Anaerobic Oxidation of Benzene by the Hyperthermophilic Archaeon <i>Ferroglobus placidus</i> . <i>Applied and Environmental Microbiology</i> , 2011, 77, 5926-5933.	3.1	100
5	Outer Cell Surface Components Essential for Fe(III) Oxide Reduction by <i>Geobacter metallireducens</i> . <i>Applied and Environmental Microbiology</i> , 2013, 79, 901-907.	3.1	100
6	Anaerobic Benzene Oxidation via Phenol in <i>Geobacter metallireducens</i> . <i>Applied and Environmental Microbiology</i> , 2013, 79, 7800-7806.	3.1	99
7	Nitrogen cycling during wastewater treatment. <i>Advances in Applied Microbiology</i> , 2019, 106, 113-192.	2.4	95
8	Syntrophic growth via quinone-mediated interspecies electron transfer. <i>Frontiers in Microbiology</i> , 2015, 6, 121.	3.5	89
9	Going Wireless: Fe(III) Oxide Reduction without Pili by <i>Geobacter sulfurreducens</i> Strain JS-1. <i>Applied and Environmental Microbiology</i> , 2014, 80, 4331-4340.	3.1	84
10	The Low Conductivity of <i>Geobacter uraniireducens</i> Pili Suggests a Diversity of Extracellular Electron Transfer Mechanisms in the Genus <i>Geobacter</i> . <i>Frontiers in Microbiology</i> , 2016, 07, 980.	3.5	84
11	Characterization and transcription of arsenic respiration and resistance genes during <i>in situ</i> uranium bioremediation. <i>ISME Journal</i> , 2013, 7, 370-383.	9.8	80
12	A Membrane-Bound Cytochrome Enables <i>Methanosarcina acetivorans</i> To Conserve Energy from Extracellular Electron Transfer. <i>MBio</i> , 2019, 10, .	4.1	76
13	Genome-scale analysis of anaerobic benzoate and phenol metabolism in the hyperthermophilic archaeon <i>Ferroglobus placidus</i> . <i>ISME Journal</i> , 2012, 6, 146-157.	9.8	63
14	Microbial corrosion of metals: The corrosion microbiome. <i>Advances in Microbial Physiology</i> , 2021, 78, 317-390.	2.4	58
15	Extracellular Electron Exchange Capabilities of <i>Desulfovibrio ferrophilus</i> and <i>Desulfopila corrodens</i> . <i>Environmental Science &amp; Technology</i> , 2021, 55, 16195-16203.	10.0	50
16	Carbon cloth enhances treatment of high-strength brewery wastewater in anaerobic dynamic membrane bioreactors. <i>Bioresource Technology</i> , 2020, 298, 122547.	9.6	43
17	Mechanisms Involved in Fe(III) Respiration by the Hyperthermophilic Archaeon <i>Ferroglobus placidus</i> . <i>Applied and Environmental Microbiology</i> , 2015, 81, 2735-2744.	3.1	41
18	Magnetite enhances anaerobic digestion of high salinity organic wastewater. <i>Environmental Research</i> , 2020, 189, 109884.	7.5	40

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19	Electron transfer mediator PCN secreted by aerobic marine <i>Pseudomonas aeruginosa</i> accelerates microbiologically influenced corrosion of TC4 titanium alloy. <i>Journal of Materials Science and Technology</i> , 2021, 79, 101-108.	10.7	40
20	High efficiency in-situ biogas upgrading in a bioelectrochemical system with low energy input. <i>Water Research</i> , 2021, 197, 117055.	11.3	40
21	Enhancement of Bioelectrochemical CO <sub>2</sub> Reduction with a Carbon Brush Electrode via Direct Electron Transfer. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 11368-11375.	6.7	38
22	Molecular Analysis of the <i>In Situ</i> Growth Rates of Subsurface <i>Geobacter</i> Species. <i>Applied and Environmental Microbiology</i> , 2013, 79, 1646-1653.	3.1	35
23	Anaerobic degradation of aromatic amino acids by the hyperthermophilic archaeon <i>Ferroglobus placidus</i> . <i>Microbiology (United Kingdom)</i> , 2014, 160, 2694-2709.	1.8	32
24	Identification of genes specifically required for the anaerobic metabolism of benzene in <i>Geobacter metallireducens</i> . <i>Frontiers in Microbiology</i> , 2014, 5, 245.	3.5	26
25	Enhancing biotreatment of incineration leachate by applying an electric potential in a partial nitrification-Anammox system. <i>Bioresource Technology</i> , 2019, 285, 121311.	9.6	24
26	Characterization of the genome from <i>Geobacter anodireducens</i> , a strain with enhanced current production in bioelectrochemical systems. <i>RSC Advances</i> , 2019, 9, 25890-25899.	3.6	17
27	Identification of parameters needed for optimal anaerobic co-digestion of chicken manure and corn stover. <i>RSC Advances</i> , 2019, 9, 29609-29618.	3.6	10
28	Efficient nitrous oxide recovery from incineration leachate by a <i>nosZ</i> -deficient strain of <i>Pseudomonas aeruginosa</i> . <i>Bioresource Technology</i> , 2020, 297, 122371.	9.6	7
29	Cytochrome OmcS Is Not Essential for Extracellular Electron Transport via Conductive Pili in <i>Geobacter sulfurreducens</i> Strain KN400. <i>Applied and Environmental Microbiology</i> , 2022, 88, AEM0162221.	3.1	5