

# Kevin R Sowers

## List of Publications by Year in descending order

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Version: 2024-02-01

30  
papers

1,668  
citations

304743

22  
h-index

552781

26  
g-index

63  
all docs

63  
docs citations

63  
times ranked

1024  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Pilot-Scale Field Study: In Situ Treatment of PCB-Impacted Sediments with Bioamended Activated Carbon. <i>Environmental Science &amp; Technology</i> , 2019, 53, 2626-2634.	10.0	52
2	Assessment of PCB contamination, the potential for in situ microbial dechlorination and natural attenuation in an urban watershed at the East Coast of the United States. <i>Science of the Total Environment</i> , 2019, 683, 154-165.	8.0	16
3	Kinetics of PCB Microbial Dechlorination Explained by Freely Dissolved Concentration in Sediment Microcosms. <i>Environmental Science &amp; Technology</i> , 2019, 53, 7432-7441.	10.0	13
4	Response to "Comment on 'A Pilot-Scale Field Study: In Situ Treatment of PCB-Impacted Sediments with Bioamended Activated Carbon'" <i>Environmental Science &amp; Technology</i> , 2019, 53, 6104-6105.	10.0	0
5	Colonization and growth of dehalorespiring biofilms on carbonaceous sorptive amendments. <i>Biofouling</i> , 2019, 35, 50-58.	2.2	7
6	A comparative evaluation of anaerobic dechlorination of PCB-118 and Aroclor 1254 in sediment microcosms from three PCB-impacted environments. <i>Journal of Hazardous Materials</i> , 2018, 341, 328-335.	12.4	24
7	Mesocosm Studies on the Efficacy of Bioamended Activated Carbon for Treating PCB-Impacted Sediment. <i>Environmental Science &amp; Technology</i> , 2017, 51, 10691-10699.	10.0	29
8	Potential risk reduction of Aroclor 1254 by microbial dechlorination in anaerobic Grasse River sediment microcosms. <i>Journal of Hazardous Materials</i> , 2017, 321, 879-887.	12.4	22
9	"Dehalobium chlorocoercia" DF-1" from Discovery to Application. , 2016, , 563-586.		13
10	Evaluation of PCB dechlorination pathways in anaerobic sediment microcosms using an anaerobic dechlorination model. <i>Journal of Hazardous Materials</i> , 2015, 296, 120-127.	12.4	24
11	MrpA Functions in Energy Conversion during Acetate-Dependent Growth of <i>Methanosarcina acetivorans</i> . <i>Journal of Bacteriology</i> , 2014, 196, 716-716.	2.2	0
12	Kinetics and Threshold Level of 2,3,4,5-Tetrachlorobiphenyl Dechlorination by an Organohalide Respiring Bacterium. <i>Environmental Science &amp; Technology</i> , 2014, 48, 4353-4360.	10.0	21
13	Remediation of Polychlorinated Biphenyl Impacted Sediment by Concurrent Bioaugmentation with Anaerobic Halo-respiring and Aerobic Degrading Bacteria. <i>Environmental Science &amp; Technology</i> , 2013, 47, 3807-3815.	10.0	83
14	In situ treatment of PCBs by anaerobic microbial dechlorination in aquatic sediment: are we there yet?. <i>Current Opinion in Biotechnology</i> , 2013, 24, 482-488.	6.6	71
15	Enhanced Reductive Dechlorination of Polychlorinated Biphenyl Impacted Sediment by Bioaugmentation with a Dehalorespiring Bacterium. <i>Environmental Science &amp; Technology</i> , 2011, 45, 8772-8779.	10.0	122
16	Effects of bioaugmentation on indigenous PCB dechlorinating activity in sediment microcosms. <i>Water Research</i> , 2011, 45, 3899-3907.	11.3	45
17	Site-specific microbial communities in three PCB-impacted sediments are associated with different in situ dechlorinating activities. <i>Environmental Microbiology</i> , 2008, 10, 1296-1309.	3.8	46
18	Dehalorespiration with Polychlorinated Biphenyls by an Anaerobic Ultramicrobacterium. <i>Applied and Environmental Microbiology</i> , 2008, 74, 2089-2094.	3.1	136

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19	Microbial Reductive Dechlorination of Aroclor 1260 in Baltimore Harbor Sediment Microcosms Is Catalyzed by Three Phylotypes within the Phylum Chloroflexi. <i>Applied and Environmental Microbiology</i> , 2007, 73, 3009-3018.	3.1	125
20	Stimulatory and Inhibitory Effects of Organohalides on the Dehalogenating Activities of PCB-Dechlorinating Bacterium <i>o</i> -17. <i>Environmental Science &amp; Technology</i> , 2006, 40, 5704-5709.	10.0	36
21	A PCR-based specific assay reveals a population of bacteria within the Chloroflexi associated with the reductive dehalogenation of polychlorinated biphenyls. <i>Microbiology (United Kingdom)</i> , 2005, 151, 2039-2046.	1.8	72
22	Sequential Reductive Dechlorination of <i>meta</i> -Chlorinated Polychlorinated Biphenyl Congeners in Sediment Microcosms by Two Different <i>Chloroflexi</i> Phylotypes. <i>Applied and Environmental Microbiology</i> , 2005, 71, 8085-8090.	3.1	97
23	Identification of a Bacterium That Specifically Catalyzes the Reductive Dechlorination of Polychlorinated Biphenyls with Doubly Flanked Chlorines. <i>Applied and Environmental Microbiology</i> , 2002, 68, 807-812.	3.1	143
24	Identification of a microorganism that links its growth to the reductive dechlorination of 2,3,5-trichlorobiphenyl. <i>Environmental Microbiology</i> , 2001, 3, 699-709.	3.8	153
25	Comparative analysis of polychlorinated biphenyl-dechlorinating communities in enrichment cultures using three different molecular screening techniques. <i>Environmental Microbiology</i> , 2001, 3, 710-719.	3.8	68
26	Establishment of a Polychlorinated Biphenyl-Dechlorinating Microbial Consortium, Specific for Doubly Flanked Chlorines, in a Defined, Sediment-Free Medium. <i>Applied and Environmental Microbiology</i> , 2000, 66, 49-53.	3.1	75
27	Synthesis of Cysteinyl-tRNA <sup>Cys</sup> by a Genome That Lacks the Normal Cysteine-tRNA Synthetase. <i>Biochemistry</i> , 2000, 39, 7792-7798.	2.5	44
28	Microbial Reductive Dechlorination of Aroclor 1260 in Anaerobic Slurries of Estuarine Sediments. <i>Applied and Environmental Microbiology</i> , 1998, 64, 1052-1058.	3.1	53
29	Microbial Dechlorination of 2,3,5,6-Tetrachlorobiphenyl under Anaerobic Conditions in the Absence of Soil or Sediment. <i>Applied and Environmental Microbiology</i> , 1998, 64, 2966-2969.	3.1	72
30	Molecular Genetics of Archaea. , 0, , 463-477.		1