

Torsten Schubert

List of Publications by Year in descending order

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35
papers

1,261
citations

471509

17
h-index

361022

35
g-index

36
all docs

36
docs citations

36
times ranked

1050
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural basis for organohalide respiration. <i>Science</i> , 2014, 346, 455-458.	12.6	220
2	H ₂ Conversion in the Presence of O ₂ as Performed by the Membrane-Bound [NiFe]-Hydrogenase of <i>Ralstonia eutropha</i> . <i>ChemPhysChem</i> , 2010, 11, 1107-1119.	2.1	106
3	Insights into organohalide respiration and the versatile catabolism of <i>Sulfurospirillum multivorans</i> gained from comparative genomics and physiological studies. <i>Environmental Microbiology</i> , 2014, 16, 3562-3580.	3.8	76
4	Combined C and Cl Isotope Effects Indicate Differences between Corrinoids and Enzyme (<i>Sulfurospirillum multivorans</i> PceA) in Reductive Dehalogenation of Tetrachloroethene, But Not Trichloroethene. <i>Environmental Science & Technology</i> , 2014, 48, 11837-11845.	10.0	71
5	Cobamide-mediated enzymatic reductive dehalogenation via long-range electron transfer. <i>Nature Communications</i> , 2017, 8, 15858.	12.8	68
6	Organohalide respiratory chains: composition, topology and key enzymes. <i>FEMS Microbiology Ecology</i> , 2018, 94, .	2.7	59
7	Functional Heterologous Production of Reductive Dehalogenases from <i>Desulfitobacterium hafniense</i> Strains. <i>Applied and Environmental Microbiology</i> , 2014, 80, 4313-4322.	3.1	57
8	Chaperones specific for the membrane-bound [NiFe]-Hydrogenase interact with the Tat signal peptide of the small subunit precursor in <i>Ralstonia eutropha</i> H16. <i>Molecular Microbiology</i> , 2007, 66, 453-467.	2.5	55
9	Exogenous 5,6-dimethylbenzimidazole caused production of a non-functional tetrachloroethene reductive dehalogenase in <i>Sulfurospirillum multivorans</i> . <i>Environmental Microbiology</i> , 2014, 16, 3361-3369.	3.8	49
10	Proteomics of the organohalide-respiring Epsilonproteobacterium <i>Sulfurospirillum multivorans</i> adapted to tetrachloroethene and other energy substrates. <i>Scientific Reports</i> , 2015, 5, 13794.	3.3	48
11	Concerted Action of Two Novel Auxiliary Proteins in Assembly of the Active Site in a Membrane-bound [NiFe] Hydrogenase. <i>Journal of Biological Chemistry</i> , 2009, 284, 2159-2168.	3.4	44
12	Retentive Memory of Bacteria: Long-Term Regulation of Dehalorespiration in <i>Sulfurospirillum multivorans</i> . <i>Journal of Bacteriology</i> , 2009, 191, 1650-1655.	2.2	44
13	A Trimeric Supercomplex of the Oxygen-Tolerant Membrane-Bound [NiFe]-Hydrogenase from <i>Ralstonia eutropha</i> H16. <i>Biochemistry</i> , 2011, 50, 10836-10843.	2.5	42
14	Veratrol-O-demethylase of <i>Acetobacterium dehalogenans</i> : ATP-dependent reduction of the corrinoid protein. <i>Archives of Microbiology</i> , 2005, 183, 378-384.	2.2	33
15	Impact of Vitamin B ₁₂ on Formation of the Tetrachloroethene Reductive Dehalogenase in <i>Desulfitobacterium hafniense</i> Strain Y51. <i>Applied and Environmental Microbiology</i> , 2012, 78, 8025-8032.	3.1	33
16	A non-dechlorinating strain of <i>Dehalospirillum multivorans</i> : evidence for a key role of the corrinoid cofactor in the synthesis of an active tetrachloroethene dehalogenase. <i>Archives of Microbiology</i> , 2002, 178, 443-449.	2.2	28
17	Thermal proteome profiling allows quantitative assessment of interactions between tetrachloroethene reductive dehalogenase and trichloroethene. <i>Journal of Proteomics</i> , 2019, 192, 10-17.	2.4	25
18	The <i>SMUL_1544</i> Gene Product Governs Norcobamide Biosynthesis in the Tetrachloroethene-Respiring Bacterium <i>Sulfurospirillum multivorans</i> . <i>Journal of Bacteriology</i> , 2016, 198, 2236-2243.	2.2	20

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19	The complete genome of the tetrachloroethene-respiring Epsilonproteobacterium <i>Sulfurospirillum halorespirans</i> . <i>Journal of Biotechnology</i> , 2017, 255, 33-36.	3.8	20
20	Selective Utilization of Benzimidazolyl-Norcobamides as Cofactors by the Tetrachloroethene Reductive Dehalogenase of <i>Sulfurospirillum multivorans</i> . <i>Journal of Bacteriology</i> , 2018, 200, .	2.2	18
21	<i>Calycomorphotria hydatis</i> gen. nov., sp. nov., a novel species in the family Planctomycetaceae with conspicuous subcellular structures. <i>Antonie Van Leeuwenhoek</i> , 2020, 113, 1877-1887.	1.7	17
22	Subtle changes in the active site architecture untangled overlapping substrate ranges and mechanistic differences of two reductive dehalogenases. <i>FEBS Journal</i> , 2017, 284, 3520-3535.	4.7	16
23	Guided cobamide biosynthesis for heterologous production of reductive dehalogenases. <i>Microbial Biotechnology</i> , 2019, 12, 346-359.	4.2	15
24	Reductive tetrachloroethene dehalogenation in the presence of oxygen by <i>Sulfurospirillum multivorans</i> : physiological studies and proteome analysis. <i>FEMS Microbiology Ecology</i> , 2018, 94, .	2.7	13
25	<i>Geobacter</i> sp. Strain IAE Dihaloeliminates 1,1,2-Trichloroethane and 1,2-Dichloroethane. <i>Environmental Science & Technology</i> , 2022, 56, 3430-3440.	10.0	13
26	A Retentive Memory of Tetrachloroethene Respiration in <i>Sulfurospirillum halorespirans</i> - involved Proteins and a possible link to Acetylation of a Two-Component Regulatory System. <i>Journal of Proteomics</i> , 2018, 181, 36-46.	2.4	12
27	The organohalide-respiring bacterium <i>Sulfurospirillum multivorans</i> : a natural source for unusual cobamides. <i>World Journal of Microbiology and Biotechnology</i> , 2017, 33, 93.	3.6	11
28	Selective, light-driven enzymatic dehalogenations of organic compounds. <i>RSC Advances</i> , 2016, 6, 84882-84886.	3.6	10
29	Comparative Biochemistry of Organohalide Respiration. , 2016, , 397-427.		9
30	A Spectroscopically Validated Computational Investigation of Viable Reaction Intermediates in the Catalytic Cycle of the Reductive Dehalogenase PceA. <i>Biochemistry</i> , 2021, 60, 2022-2032.	2.5	9
31	Cobamide remodeling in the freshwater microalga <i>Chlamydomonas reinhardtii</i> . <i>FEMS Microbiology Letters</i> , 2020, 367, .	1.8	5
32	Tetrachloroethene respiration in <i>Sulfurospirillum</i> species is regulated by a two-component system as unraveled by comparative genomics, transcriptomics, and regulator binding studies. <i>MicrobiologyOpen</i> , 2020, 9, e1138.	3.0	5
33	Structural and functional analysis of an L-serine O-phosphate decarboxylase involved in norcobamide biosynthesis. <i>FEBS Letters</i> , 2019, 593, 3040-3053.	2.8	4
34	Comparative Genomic Analysis Reveals Preserved Features in Organohalide-Respiring <i>Sulfurospirillum</i> Strains. <i>MSphere</i> , 2022, 7, e0093121.	2.9	3
35	Surface enhanced Raman spectroscopy-based evaluation of the membrane protein composition of the organohalide-respiring <i>Sulfurospirillum multivorans</i> . <i>Journal of Raman Spectroscopy</i> , 2021, 52, 458-467.	2.5	2