Hermann-Josef Heipieper

List of Publications by Year
in descending order

143	7,783	44069 48	56724 83
papers	citations	h-index	g-index

150	150	150	8073
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Mechanisms of resistance of whole cells to toxic organic solvents. Trends in Biotechnology, 1994, 12, 409-415.	9.3	427
2	Conversion of cis unsaturated fatty acids to trans, a possible mechanism for the protection of phenol-degrading Pseudomonas putida P8 from substrate toxicity. Applied and Environmental Microbiology, 1992, 58, 1847-1852.	3.1	366
3	Solvent-tolerant bacteria for biotransformations in two-phase fermentation systems. Applied Microbiology and Biotechnology, 2007, 74, 961-973.	3.6	297
4	ThecisÃ¢Â€Â“transisomerase of unsaturated fatty acids inPseudomonasandVibrio: biochemistry, molecular biology and physiological function of a unique stress adaptive mechanism. FEMS Microbiology Letters, 2003, 229, 1-7.	1.8	241
5	Membrane Vesicle Formation as a Multiple-Stress Response Mechanism Enhances Pseudomonas putida DOT-T1E Cell Surface Hydrophobicity and Biofilm Formation. Applied and Environmental Microbiology, 2012, 78, 6217-6224.	3.1	235
6	Influence of phenols on growth and membrane permeability of free and immobilized Escherichia coli. Applied and Environmental Microbiology, 1991, 57, 1213-1217.	3.1	235
7	Adaptation of Pseudomonas putida S12 to ethanol and toluene at the level of fatty acid composition of membranes. Applied and Environmental Microbiology, 1994, 60, 4440-4444.	3.1	216
8	Trans unsaturated fatty acids in bacteria. Lipids, 1996, 31, 129-137.	1.7	207
9	Microbial Degradation of Hydrocarbonsâ€”Basic Principles for Bioremediation: A Review. Molecules, 2020, 25, 856.	3.8	181
10	Biodegradation of diesel/biodiesel blends by a consortium of hydrocarbon degraders: Effect of the type of blend and the addition of biosurfactants. Bioresource Technology, 2009, 100, 1497-1500.	9.6	162
11	Bacterial metabolism of environmental arsenicâ€”mechanisms and biotechnological applications. Applied Microbiology and Biotechnology, 2013, 97, 3827-3841.	3.6	161
12	Biotechnological processes for biodiesel production using alternative oils. Applied Microbiology and Biotechnology, 2010, 88, 621-636.	3.6	152
13	Protection of bacteria against toxicity of phenol by immobilization in calcium alginate. Applied Microbiology and Biotechnology, 1989, 31, 383.	3.6	145
14	Degradation of macrolide antibiotics by ozone: A mechanistic case study with clarithromycin. Chemosphere, 2006, 65, 17-23.	8.2	142
15	Effect of aliphatic alcohols on growth and degree of saturation of membrane lipids inAcinetobacter calcoaceticus. FEMS Microbiology Letters, 2003, 220, 223-227.	1.8	129
16	Cells of Pseudomonas putida and Enterobacter sp. adapt to toxic organic compounds by increasing their size. Extremophiles, 2005, 9, 163-168.	2.3	119
17	The conversion of cis into trans unsaturated fatty acids in Pseudomonas putita P8: evidence for a role in the regulation of membrane fluidity. Applied Microbiology and Biotechnology, 1992, 38, 382.	3.6	116
18	Genome sequence and functional genomic analysis of the oil-degrading bacterium Oleispira antarctica. Nature Communications, 2013, 4, 2156.	12.8	115

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19	Prospects for harnessing biocide resistance for bioremediation and detoxification. Science, 2018, 360, 743-746.	12.6	114
20	Desulfitobacterium aromaticivorans sp. nov. and Geobacter toluenoxydans sp. nov., iron-reducing bacteria capable of anaerobic degradation of monoaromatic hydrocarbons. International Journal of Systematic and Evolutionary Microbiology, 2010, 60, 686-695.	1.7	113
21	The cis/trans isomerisation of unsaturated fatty acids in Pseudomonas putida S12: An indicator for environmental stress due to organic compounds. Chemosphere, 1995, 30, 1041-1051.	8.2	109
22	Cell wall adaptations of planktonic and biofilm Rhodococcus erythropolis cells to growth on C5 to C16 n-alkane hydrocarbons. Applied Microbiology and Biotechnology, 2009, 82, 311-320.	3.6	109
23	Simultaneous Degradation of Atrazine and Phenol by Pseudomonas sp. Strain ADP: Effects of Toxicity and Adaptation. Applied and Environmental Microbiology, 2004, 70, 1907-1912.	3.1	104
24	Immediate response mechanisms of Gram-negative solvent-tolerant bacteria to cope with environmental stress: cis-trans isomerization of unsaturated fatty acids and outer membrane vesicle secretion. Applied Microbiology and Biotechnology, 2018, 102, 2583-2593.	3.6	103
25	The degradation of bisphenol A by the newly isolated bacterium Cupriavidus basilensis JF1 can be enhanced by biostimulation with phenol. International Biodeterioration and Biodegradation, 2010, 64, 324-330.	3.9	88
26	Adaptation of the Hydrocarbonoclastic Bacterium Alcanivorax borkumensis SK2 to Alkanes and Toxic Organic Compounds: a Physiological and Transcriptomic Approach. Applied and Environmental Microbiology, 2013, 79, 4282-4293.	3.1	85
27	Microbial cell-envelope fragments and the formation of soil organic matter: a case study from a glacier forefield. Biogeochemistry, 2013, 113, 595-612.	3.5	82
28	In situâ€…<scp>p</scp>roteinâ€<scp>SIP</scp> highlights Burkholderiaceae as key players degrading toluene by para ring hydroxylation in a constructed wetland model. Environmental Microbiology, 2016, 18, 1176-1186.	3.8	81
29	Biodegradation and surfactant-mediated biodegradation of diesel fuel by 218 microbial consortia are not correlated to cell surface hydrophobicity. Applied Microbiology and Biotechnology, 2009, 84, 545-553.	3.6	79
30	Alkanols and chlorophenols cause different physiological adaptive responses on the level of cell surface properties and membrane vesicle formation in Pseudomonas putida DOT-T1E. Applied Microbiology and Biotechnology, 2012, 93, 837-845.	3.6	78
31	Physiological and Transcriptome Response of the Polycyclic Aromatic Hydrocarbon Degrading Novosphingobium sp. LH128 after Inoculation in Soil. Environmental Science & Technology, 2017, 51, 1570-1579.	10.0	78
32	Effect of silver nanoparticles and silver ions on growth and adaptive response mechanisms ofPseudomonas putidamt-2. FEMS Microbiology Letters, 2014, 355, 71-77.	1.8	72
33	Mechanism of cis-trans Isomerization of Unsaturated Fatty Acids in Pseudomonas putida. Journal of Bacteriology, 2003, 185, 1730-1733.	2.2	71
34	Energetics and Surface Properties of Pseudomonas putida DOT-T1E in a Two-Phase Fermentation System with 1-Decanol as Second Phase. Applied and Environmental Microbiology, 2006, 72, 4232-4238.	3.1	64
35	Toward Biorecycling: Isolation of a Soil Bacterium That Grows on a Polyurethane Oligomer and Monomer. Frontiers in Microbiology, 2020, 11, 404.	3.5	64
36	Adaptation of Rhodococcus erythropolis DCL14 to growth on n-alkanes, alcohols and terpenes. Applied Microbiology and Biotechnology, 2005, 67, 383-388.	3.6	63

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37	Prediction of the Adaptability of Pseudomonas putida DOT-T1E to a Second Phase of a Solvent for Economically Sound Two-Phase Biotransformations. Applied and Environmental Microbiology, 2005, 71, 6606-6612.	3.1	63
38	Adaptation of the psychrotrophArthrobacter chlorophenolicusA6 to growth temperature and the presence of phenols by changes in the anteiso/iso ratio of branched fatty acids. FEMS Microbiology Letters, 2007, 266, 138-143.	1.8	62
39	Defined Microbial Mixed Culture for Utilization of Polyurethane Monomers. ACS Sustainable Chemistry and Engineering, 2020, 8, 17466-17474.	6.7	60
40	Cellular Toxicity of Lipophilic Compounds: Mechanisms, Implications, and Adaptations. Biocatalysis, 1994, 10, 113-122.	0.9	58
41	Biodegradation of diesel/biodiesel blends in saturated sand microcosms. Fuel, 2014, 116, 321-327.	6.4	58
42	Expression of glutathioneS-transferase and peptide methionine sulphoxide reductase inOchrobactrum anthropiis correlated to the production of reactive oxygen species caused by aromatic substrates. FEMS Microbiology Letters, 2004, 241, 151-156.	1.8	57
43	Incorporating dormancy in dynamic microbial community models. Ecological Modelling, 2011, 222, 3092-3102.	2.5	55
44	Impact of fermentation pH and temperature on freeze-drying survival and membrane lipid composition of Lactobacillus coryniformis Si3. Journal of Industrial Microbiology and Biotechnology, 2008, 35, 175-181.	3.0	54
45	Relative quantitative PCR to assess bacterial community dynamics during biodegradation of diesel and biodiesel fuels under various aeration conditions. Bioresource Technology, 2011, 102, 4347-4352.	9.6	54
46	Improving fatty acid methyl ester production yield in a lipase-catalyzed process using waste frying oils as feedstock. Journal of Bioscience and Bioengineering, 2010, 109, 609-614.	2.2	53
47	Membrane fatty acids adaptive profile in the simultaneous presence of arsenic and toluene in Bacillus sp. ORAs2 and Pseudomonas sp. ORAs5 strains. Extremophiles, 2008, 12, 343-349.	2.3	52
48	Enhancement of the microbial community biomass and diversity during air sparging bioremediation of a soil highly contaminated with kerosene and BTEX. Applied Microbiology and Biotechnology, 2009, 82, 565-577.	3.6	52
49	Body Mass Parameters, Lipid Profiles and Protein Contents of Zebrafish Embryos and Effects of 2,4-Dinitrophenol Exposure. PLoS ONE, 2015, 10, e0134755.	2.5	49
50	How to accurately assess surfactant biodegradation-impact of sorption on the validity of results. Applied Microbiology and Biotechnology, 2020, 104, 1-12.	3.6	48
51	Yeast adaptation to 2,4-dichlorophenoxyacetic acid involves increased membrane fatty acid saturation degree and decreased OLE1 transcription. Biochemical and Biophysical Research Communications, 2005, 330, 271-278.	2.1	47
52	Toxicity evaluation of selected ammonium-based ionic liquid forms with MCPP and dicamba moieties on Pseudomonas putida. Chemosphere, 2017, 167, 114-119.	8.2	44
53	Towards robust Pseudomonas cell factories to harbour novel biosynthetic pathways. Essays in Biochemistry, 2021, 65, 319-336.	4.7	44
54	Microbial Toluene Removal in Hypoxic Model Constructed Wetlands Occurs Predominantly via the Ring Monooxygenation Pathway. Applied and Environmental Microbiology, 2015, 81, 6241-6252.	3.1	43

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55	Effect of bioaugmentation on long-term biodegradation of diesel/biodiesel blends in soil microcosms. Science of the Total Environment, 2019, 671, 948-958.	8.0	43
56	Degradation state of organic matter in surface sediments from the Southern Beaufort Sea: a lipid approach. Biogeosciences, 2012, 9, 3513-3530.	3.3	42
57	Glycerophospholipid synthesis and functions in Pseudomonas. Chemistry and Physics of Lipids, 2015, 190, 27-42.	3.2	42
58	Ethanol tolerance and membrane fatty acid adaptation in adh multiple and null mutants of Kluyveromyces lactis. Research in Microbiology, 2000, 151, 777-784.	2.1	41
59	Interactions between rhamnolipid biosurfactants and toxic chlorinated phenols enhance biodegradation of a model hydrocarbon-rich effluent. International Biodeterioration and Biodegradation, 2011, 65, 605-611.	3.9	41
60	Reductive dehalogenation mediated initiation of aerobic degradation of 2-chloro-4-nitrophenol (2C4NP) by Burkholderia sp. strain SJ98. Applied Microbiology and Biotechnology, 2011, 92, 597-607.	3.6	40
61	Rapid adaptation of Rhodococcus erythropolis cells to salt stress by synthesizing polyunsaturated fatty acids. Applied Microbiology and Biotechnology, 2014, 98, 5599-606.	3.6	40
62	Adaptation of anaerobically grown Thauera aromatica, Geobacter sulfurreducens and Desulfococcus multivorans to organic solvents on the level of membrane fatty acid composition. Microbial Biotechnology, 2010, 3, 201-209.	4.2	38
63	Isolation and characterization of the E. coli membrane protein production strain Mutant56(DE3). Scientific Reports, 2017, 7, 45089.	3.3	38
64	Two naphthalene degrading bacteria belonging to the genera Paenibacillus and Pseudomonas isolated from a highly polluted lagoon perform different sensitivities to the organic and heavy metal contaminants. Extremophiles, 2009, 13, 839-848.	2.3	37
65	Biodiversity of soil bacteria exposed to sub-lethal concentrations of phosphonium-based ionic liquids: Effects of toxicity and biodegradation. Ecotoxicology and Environmental Safety, 2018, 147, 157-164.	6.0	37
66	Transcriptome and membrane fatty acid analyses reveal different strategies for responding to permeating and non-permeating solutes in the bacterium Sphingomonas wittichii. BMC Microbiology, 2011, 11, 250.	3.3	36
67	Anaerobically grown Thauera aromatica, Desulfococcus multivorans, Geobacter sulfurreducens are more sensitive towards organic solvents than aerobic bacteria. Applied Microbiology and Biotechnology, 2007, 77, 705-711.	3.6	35
68	Rectinema cohabitans gen. nov., sp. nov., a rod-shaped spirochaete isolated from an anaerobic naphthalene-degrading enrichment culture. International Journal of Systematic and Evolutionary Microbiology, 2017, 67, 1288-1295.	1.7	35
69	Rhamnolipid biosurfactants decrease the toxicity of chlorinated phenols toPseudomonas putidaDOT-T1E. Letters in Applied Microbiology, 2009, 48, 756-62.	2.2	34
70	Lipase-catalyzed process in an anhydrous medium with enzyme reutilization to produce biodiesel with low acid value. Journal of Bioscience and Bioengineering, 2011, 112, 583-589.	2.2	34
71	Genome and physiology of the ascomycete filamentous fungus <scp>X</scp>eromyces bisporus, the most xerophilic organism isolated to date. Environmental Microbiology, 2015, 17, 496-513.	3.8	34
72	Modulation of the glutathione S-transferase in Ochrobactrum anthropi: function of xenobiotic substrates and other forms of stress. Biochemical Journal, 2000, 346, 553-559.	3.7	33

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73	Plastic Biodegradation: Challenges and Opportunities. , 2018, , 1-29.		33
74	Formulation and stabilization of an Arthrobacter strain with good storage stability and 4-chlorophenol-degradation activity for bioremediation. Applied Microbiology and Biotechnology, 2018, 102, 2031-2040.	3.6	33
75	Physiological response ofPseudomonas putidaS12 subjected to reduced water activity. FEMS Microbiology Letters, 1996, 139, 133-137.	1.8	30
76	The trans/cis ratio of unsaturated fatty acids is not applicable as biomarker for environmental stress in case of long-term contaminated habitats. Applied Microbiology and Biotechnology, 2010, 87, 365-371.	3.6	29
77	Changes in Fatty Acid Composition of Chromohalobacter israelensis with Varying Salt Concentrations. Current Microbiology, 2005, 50, 151-154.	2.2	27
78	Exposure to Solute Stress Affects Genome-Wide Expression but Not the Polycyclic Aromatic Hydrocarbon-Degrading Activity of Sphingomonas sp. Strain LH128 in Biofilms. Applied and Environmental Microbiology, 2012, 78, 8311-8320.	3.1	26
79	Surface properties and intracellular speciation revealed an original adaptive mechanism to arsenic in the acid mine drainage bio-indicator Euglena mutabilis. Applied Microbiology and Biotechnology, 2012, 93, 1735-1744.	3.6	26
80	Toxicity of synthetic herbicides containing 2,4-D and MCPA moieties towards Pseudomonas putida mt-2 and its response at the level of membrane fatty acid composition. Chemosphere, 2016, 144, 107-112.	8.2	26
81	Occurrence and properties of glutathione S-transferases in phenol-degrading Pseudomonas strains. Research in Microbiology, 2002, 153, 89-98.	2.1	25
82	Physiology and transcriptome of the polycyclic aromatic hydrocarbon-degrading Sphingomonas sp. LH128 after long-term starvation. Microbiology (United Kingdom), 2013, 159, 1807-1817.	1.8	25
83	Membrane Fatty Acid Composition and Cell Surface Hydrophobicity of Marine Hydrocarbonoclastic Alcanivorax borkumensis SK2 Grown on Diesel, Biodiesel and Rapeseed Oil as Carbon Sources. Molecules, 2018, 23, 1432.	3.8	25
84	Enterobactersp. VKGH12 growing withn-butanol as the sole carbon source and cells to which the alcohol is added as pure toxin show considerable differences in their adaptive responses. FEMS Microbiology Letters, 2006, 254, 48-54.	1.8	24
85	The absence of SigX results in impaired carbon metabolism and membrane fluidity in Pseudomonas aeruginosa. Scientific Reports, 2018, 8, 17212.	3.3	24
86	Increasing ibuprofen degradation in constructed wetlands by bioaugmentation with gravel containing biofilms of an ibuprofenâ€degrading Sphingobium yanoikuyae. Engineering in Life Sciences, 2020, 20, 160-167.	3.6	24
87	Adaptation in Toxic Environments: Arsenic Genomic Islands in the Bacterial Genus Thiomonas. PLoS ONE, 2015, 10, e0139011.	2.5	24
88	Aerobic Toluene Degraders in the Rhizosphere of a Constructed Wetland Model Show Diurnal Polyhydroxyalkanoate Metabolism. Applied and Environmental Microbiology, 2016, 82, 4126-4132.	3.1	23
89	Genetic Cell-Surface Modification for Optimized Foam Fractionation. Frontiers in Bioengineering and Biotechnology, 2020, 8, 572892.	4.1	22
90	High Stability and Fast Recovery of Expression of the TOL Plasmid-Carried Toluene Catabolism Genes of Pseudomonas putida mt-2 under Conditions of Oxygen Limitation and Oscillation. Applied and Environmental Microbiology, 2010, 76, 6715-6723.	3.1	20

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91	Arsenite response in Coccomyxa sp. Carn explored by transcriptomic and nonâ€targeted metabolomic approaches. Environmental Microbiology, 2016, 18, 1289-1300.	3.8	20
92	Adaptive response of Rhodococcus opacus PWD4 to salt and phenolic stress on the level of mycolic acids. AMB Express, 2016, 6, 66.	3.0	20
93	Toxicity of diatom polyunsaturated aldehydes to marine bacterial isolates reveals their mode of action. Chemosphere, 2017, 177, 258-265.	8.2	20
94	Effects of ammonium-based ionic liquids and 2,4-dichlorophenol on the phospholipid fatty acid composition of zebrafish embryos. PLoS ONE, 2018, 13, e0190779.	2.5	20
95	LapF and Its Regulation by Fis Affect the Cell Surface Hydrophobicity of Pseudomonas putida. PLoS ONE, 2016, 11, e0166078.	2.5	20
96	A dual signalling pathway for the hypoxic expression of lipid genes, dependent on the glucose sensor Rag4, is revealed by the analysis of the KlMGA2 gene in Kluyveromyces lactis. Microbiology (United) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	2.8	20
97	The regulation of thecis-trans isomerase of unsaturated fatty acids inPseudomonas putida: correlation between cti activity and K+-uptake systems. European Journal of Lipid Science and Technology, 2003, 105, 585-589.	1.5	18
98	Monaibacterium marinum, gen. nov, sp. nov, a new member of the Alphaproteobacteria isolated from seawater of Menai Straits, Wales, UK. International Journal of Systematic and Evolutionary Microbiology, 2017, 67, 3310-3317.	1.7	18
99	Delftia sp. LCW, a strain isolated from a constructed wetland shows novel properties for dimethylphenol isomers degradation. BMC Microbiology, 2018, 18, 108.	3.3	17
100	Carbon isotope fractionation during cis?trans isomerization of unsaturated fatty acids in Pseudomonas putida. Applied Microbiology and Biotechnology, 2004, 66, 285-290.	3.6	16
101	Physiological evidence for the presence of a cis-transâ€ƒisomerase of unsaturated fatty acids in Methylococcus capsulatusâ€ƒBath to adapt to the presence of â€ƒtoxic organic compounds. FEMS Microbiology Letters, 2010, 308, 68-75.	1.8	16
102	Osmotic stress in colony and planktonic cells of Pseudomonas putida mt-2 revealed significant differences in adaptive response mechanisms. AMB Express, 2017, 7, 62.	3.0	16
103	Formation of specialized aerial architectures by Rhodococcus during utilization of vaporized p-cresol. Microbiology (United Kingdom), 2009, 155, 3788-3796.	1.8	15
104	Modulation of the glutathione S-transferase in Ochrobactrum anthropi: function of xenobiotic substrates and other forms of stress. Biochemical Journal, 2000, 346, 553.	3.7	14
105	Isolation and characterization of Magnetospirillum sp. strain 15-1 as a representative anaerobic toluene-degrader from a constructed wetland model. PLoS ONE, 2017, 12, e0174750.	2.5	14
106	Extracellular degradation of a polyurethane oligomer involving outer membrane vesicles and further insights on the degradation of 2,4-diaminotoluene in Pseudomonas capeferrum TDA1. Scientific Reports, 2022, 12, 2666.	3.3	14
107	KlHsl1 is a component of glycerol response pathways in the milk yeast Kluyveromyces lactis. Microbiology (United Kingdom), 2011, 157, 1509-1518.	1.8	13
108	Effects of limonene, n-decane and n-decanol on growth and membrane fatty acid composition of the microalga Botryococcus braunii. AMB Express, 2018, 8, 189.	3.0	13

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109	Methane oxidation by Dutch grassland and peat soil microflora. Chemosphere, 1997, 35, 3025-3037.	8.2	11
110	Quantification of outer membrane vesicles: a potential tool to compare response in Pseudomonas putida KT2440 to stress caused by alkanols. Applied Microbiology and Biotechnology, 2019, 103, 4193-4201.	3.6	11
111	The MALINA oceanographic expedition: how do changes in ice cover, permafrost and UV radiation impact biodiversity and biogeochemical fluxes in the Arctic Ocean?. Earth System Science Data, 2021, 13, 1561-1592.	9.9	11
112	Klebsiellasp. strain C2A isolated from olive oil mill waste is able to tolerate and degrade tannic acid in very high concentrations. FEMS Microbiology Letters, 2013, 343, 105-112.	1.8	11
113	Hybrid electrochemical and biological treatment of herbicidal ionic liquids comprising the MCPA anion. Ecotoxicology and Environmental Safety, 2019, 181, 172-179.	6.0	10
114	Environmentally Relevant Concentration of Bisphenol S Shows Slight Effects on SIHUMIx. Microorganisms, 2020, 8, 1436.	3.6	10
115	Biostimulation by methanol enables the methylotrophic yeasts Hansenula polymorpha and Trichosporon sp. to reveal high formaldehyde biodegradation potential as well as to adapt to this toxic pollutant. Applied Microbiology and Biotechnology, 2013, 97, 5555-5564.	3.6	9
116	Solvent stress-induced changes in membrane fatty acid composition of denitrifying bacteria reduce the extent of nitrogen stable isotope fractionation during denitrification. Geochimica Et Cosmochimica Acta, 2018, 239, 275-283.	3.9	8
117	Impact of gaseous NO2 on p. fluorescens strain in the membrane adaptation and virulence. International Journal of Environmental Impacts Management Mitigation and Recovery, 2018, 1, 183-192.	0.4	8
118	Functional Characterization of a 28-Kilobase Catabolic Island from Pseudomonas sp. Strain M1 Involved in Biotransformation of Î²-Myrcene and Related Plant-Derived Volatiles. Applied and Environmental Microbiology, 2017, 83, .	3.1	7
119	ER stress induced by the OCH1 mutation triggers changes in lipid homeostasis in Kluyveromyces lactis. Research in Microbiology, 2015, 166, 84-92.	2.1	6
120	In vitro and in vivo lipidomics as a tool for probiotics evaluation. Applied Microbiology and Biotechnology, 2020, 104, 8937-8948.	3.6	6
121	Benzylsuccinate Synthase is Post-Transcriptionally Regulated in the Toluene-Degrading Denitrifier Magnetospirillum sp. Strain 15-1. Microorganisms, 2020, 8, 681.	3.6	6
122	Enzymatic Activation of the cis-Trans Isomerase and Transcriptional Regulation of Efflux Pumps in Solvent Tolerance in Pseudomonas Putida. , 2004, , 479-508.		6
123	Draft Genome Sequence of Magnetospirillum sp. Strain 15-1, a Denitrifying Toluene Degrader Isolated from a Planted Fixed-Bed Reactor. Genome Announcements, 2017, 5, .	0.8	5
124	Plastic Biodegradation: Challenges and Opportunities. , 2019, , 333-361.		5
125	Gaseous NO2 induces various envelope alterations in Pseudomonas fluorescens MFAF76a. Scientific Reports, 2022, 12, .	3.3	5
126	Adaptation of Escherichia coli to Ethanol on the Level of Membrane Fatty Acid Composition. Applied and Environmental Microbiology, 2005, 71, 3388-3388.	3.1	4

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127	Viability and stress state of bacteria associated with primary production or zooplankton-derived suspended particulate matter in summer along a transect in Baffin Bay (Arctic Ocean). Science of the Total Environment, 2021, 770, 145252.	8.0	4
128	Toxicity of Hydrocarbons to Microorganisms. , 2018, , 335-344.		3
129	Reports on Symposia and Congresses: Eur. J. Lipid Sci. Technol. 7/2003. European Journal of Lipid Science and Technology, 2003, 105, 385-385.	1.5	2
130	The role of energy-efficient biotechnological processes in the waste management industry. Waste Management and Research, 2011, 29, 563-564.	3.9	2
131	Surface Properties and Cellular Energetics of Bacteria in Response to the Presence of Hydrocarbons. , 2018, , 397-408.		2
132	Changes in bacterial diversity and catabolic gene abundance during the removal of dimethylphenol isomers in laboratory-scale constructed wetlands. Applied Microbiology and Biotechnology, 2019, 103, 505-517.	3.6	2
133	Screening and cultivating microbial strains able to grow on building blocks of polyurethane. Methods in Enzymology, 2021, 648, 423-434.	1.0	2
134	BIOREMEDIATION OF SOILS CONTAMINATED WITH AROMATIC COMPOUNDS: EFFECTS OF RHIZOSPHERE, BIOAVAILABILITY, GENE REGULATION AND STRESS ADAPTATION. , 2007, , 1-4.		2
135	An optimized method for RNA extraction from the polyurethane oligomer degrading strain Pseudomonas capeferrum TDA1 growing on aromatic substrates such as phenol and 2,4-diaminotoluene. PLoS ONE, 2021, 16, e0260002.	2.5	2
136	The integrated CH4 grassland project: Methane consumption by indigenous grassland microflora. Studies in Environmental Science, 1995, 65, 581-584.	0.0	1
137	Physiological response of Pseudomonas putida S12 subjected to reduced water activity. FEMS Microbiology Letters, 1996, 139, 133-137.	1.8	1
138	Cisâ€“Trans Isomerase of Unsaturated Fatty Acids: An Immediate Bacterial Adaptive Mechanism to Cope with Emerging Membrane Perturbation Caused by Toxic Hydrocarbons. , 2018, , 385-395.		1
139	AIR POLLUTION AND OTHER ENVIRONMENTAL STRESSES: GASEOUS NO₂ EXPOSURE LEADS TO SPECIFIC ALTERATIONS OF PSEUDOMONAS FLUORESCENS. WIT Transactions on Ecology and the Environment, 2020, , .	0.0	1
140	Biotechnological and environmental microbiological research in the Baltic region. Biotechnology and Applied Biochemistry, 2014, 61, 1-2.	3.1	0
141	Farewell Prof. Hansâ€Jürgen Rehm. Microbial Biotechnology, 2017, 10, 223-223.	4.2	0
142	Influence of changes in microbial cell membrane composition on isotopic fractionation of nitrate during denitrification. E3S Web of Conferences, 2019, 98, 01051.	0.5	0
143	Surface Properties and Cellular Energetics of Bacteria in Response to the Presence of Hydrocarbons. , 2017, , 1-12.		0