

# Hermann-Josef Heipieper

## List of Publications by Year in descending order

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143  
papers

7,783  
citations

50566

48  
h-index

64407

83  
g-index

150  
all docs

150  
docs citations

150  
times ranked

8950  
citing authors

#	ARTICLE	IF	CITATIONS
1	Extracellular degradation of a polyurethane oligomer involving outer membrane vesicles and further insights on the degradation of 2,4-diaminotoluene in <i>Pseudomonas capeferrum</i> TDA1. <i>Scientific Reports</i> , 2022, 12, 2666.	1.6	14
2	Gaseous NO <sub>2</sub> induces various envelope alterations in <i>Pseudomonas fluorescens</i> MFAF76a. <i>Scientific Reports</i> , 2022, 12, .	1.6	5
3	Screening and cultivating microbial strains able to grow on building blocks of polyurethane. <i>Methods in Enzymology</i> , 2021, 648, 423-434.	0.4	2
4	The MALINA oceanographic expedition: how do changes in ice cover, permafrost and UV radiation impact biodiversity and biogeochemical fluxes in the Arctic Ocean?. <i>Earth System Science Data</i> , 2021, 13, 1561-1592.	3.7	11
5	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). <i>Science of the Total Environment</i> , 2021, 770, 145252.	3.9	4
6	Towards robust <i>Pseudomonas</i> cell factories to harbour novel biosynthetic pathways. <i>Essays in Biochemistry</i> , 2021, 65, 319-336.	2.1	44
7	An optimized method for RNA extraction from the polyurethane oligomer degrading strain <i>Pseudomonas capeferrum</i> TDA1 growing on aromatic substrates such as phenol and 2,4-diaminotoluene. <i>PLoS ONE</i> , 2021, 16, e0260002.	1.1	2
8	How to accurately assess surfactant biodegradation-impact of sorption on the validity of results. <i>Applied Microbiology and Biotechnology</i> , 2020, 104, 1-12.	1.7	48
9	Environmentally Relevant Concentration of Bisphenol S Shows Slight Effects on SIHUMlx. <i>Microorganisms</i> , 2020, 8, 1436.	1.6	10
10	Defined Microbial Mixed Culture for Utilization of Polyurethane Monomers. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 17466-17474.	3.2	60
11	Genetic Cell-Surface Modification for Optimized Foam Fractionation. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 572892.	2.0	22
12	In vitro and in vivo lipidomics as a tool for probiotics evaluation. <i>Applied Microbiology and Biotechnology</i> , 2020, 104, 8937-8948.	1.7	6
13	Benzylsuccinate Synthase is Post-Transcriptionally Regulated in the Toluene-Degrading Denitrifier <i>Magnetospirillum</i> sp. Strain 15-1. <i>Microorganisms</i> , 2020, 8, 681.	1.6	6
14	Toward Biorecycling: Isolation of a Soil Bacterium That Grows on a Polyurethane Oligomer and Monomer. <i>Frontiers in Microbiology</i> , 2020, 11, 404.	1.5	64
15	Increasing ibuprofen degradation in constructed wetlands by bioaugmentation with gravel containing biofilms of an ibuprofen-degrading <i>Sphingobium yanoikuyae</i> . <i>Engineering in Life Sciences</i> , 2020, 20, 160-167.	2.0	24
16	Microbial Degradation of Hydrocarbons—Basic Principles for Bioremediation: A Review. <i>Molecules</i> , 2020, 25, 856.	1.7	181
17	AIR POLLUTION AND OTHER ENVIRONMENTAL STRESSES: GASEOUS NO <sub>2</sub> EXPOSURE LEADS TO SPECIFIC ALTERATIONS OF <i>PSEUDOMONAS FLUORESCENS</i> . <i>WIT Transactions on Ecology and the Environment</i> , 2020, , .	0.0	1
18	Plastic Biodegradation: Challenges and Opportunities. , 2019, , 333-361.		5

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19	Influence of changes in microbial cell membrane composition on isotopic fractionation of nitrate during denitrification. E3S Web of Conferences, 2019, 98, 01051.	0.2	0
20	Hybrid electrochemical and biological treatment of herbicidal ionic liquids comprising the MCPA anion. Ecotoxicology and Environmental Safety, 2019, 181, 172-179.	2.9	10
21	Quantification of outer membrane vesicles: a potential tool to compare response in <i>Pseudomonas putida</i> KT2440 to stress caused by alkanols. Applied Microbiology and Biotechnology, 2019, 103, 4193-4201.	1.7	11
22	Effect of bioaugmentation on long-term biodegradation of diesel/biodiesel blends in soil microcosms. Science of the Total Environment, 2019, 671, 948-958.	3.9	43
23	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.	1.7	2
24	Plastic Biodegradation: Challenges and Opportunities. , 2018, , 1-29.		33
25	Formulation and stabilization of an <i>Arthrobacter</i> strain with good storage stability and 4-chlorophenol-degradation activity for bioremediation. Applied Microbiology and Biotechnology, 2018, 102, 2031-2040.	1.7	33
26	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.	1.7	103
27	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.	2.9	37
28	Effects of limonene, n-decane and n-decanol on growth and membrane fatty acid composition of the microalga <i>Botryococcus braunii</i> . AMB Express, 2018, 8, 189.	1.4	13
29	The absence of SigX results in impaired carbon metabolism and membrane fluidity in <i>Pseudomonas aeruginosa</i> . Scientific Reports, 2018, 8, 17212.	1.6	24
30	<i>Delftia</i> sp. LCW, a strain isolated from a constructed wetland shows novel properties for dimethylphenol isomers degradation. BMC Microbiology, 2018, 18, 108.	1.3	17
31	Prospects for harnessing biocide resistance for bioremediation and detoxification. Science, 2018, 360, 743-746.	6.0	114
32	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.	1.6	8
33	Membrane Fatty Acid Composition and Cell Surface Hydrophobicity of Marine Hydrocarbonoclastic <i>Alcanivorax borkumensis</i> SK2 Grown on Diesel, Biodiesel and Rapeseed Oil as Carbon Sources. Molecules, 2018, 23, 1432.	1.7	25
34	Toxicity of Hydrocarbons to Microorganisms. , 2018, , 335-344.		3
35	Cis-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
36	Surface Properties and Cellular Energetics of Bacteria in Response to the Presence of Hydrocarbons. , 2018, , 397-408.		2

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37	Effects of ammonium-based ionic liquids and 2,4-dichlorophenol on the phospholipid fatty acid composition of zebrafish embryos. <i>PLoS ONE</i> , 2018, 13, e0190779.	1.1	20
38	Impact of gaseous NO <sub>2</sub> on <i>P. fluorescens</i> strain in the membrane adaptation and virulence. <i>International Journal of Environmental Impacts Management Mitigation and Recovery</i> , 2018, 1, 183-192.	0.1	8
39	Functional Characterization of a 28-Kilobase Catabolic Island from <i>Pseudomonas</i> sp. Strain M1 Involved in Biotransformation of $\beta$ -Myrcene and Related Plant-Derived Volatiles. <i>Applied and Environmental Microbiology</i> , 2017, 83, .	1.4	7
40	Osmotic stress in colony and planktonic cells of <i>Pseudomonas putida</i> mt-2 revealed significant differences in adaptive response mechanisms. <i>AMB Express</i> , 2017, 7, 62.	1.4	16
41	Isolation and characterization of the <i>E. coli</i> membrane protein production strain Mutant56(DE3). <i>Scientific Reports</i> , 2017, 7, 45089.	1.6	38
42	Toxicity of diatom polyunsaturated aldehydes to marine bacterial isolates reveals their mode of action. <i>Chemosphere</i> , 2017, 177, 258-265.	4.2	20
43	Physiological and Transcriptome Response of the Polycyclic Aromatic Hydrocarbon Degrading <i>Novosphingobium</i> sp. LH128 after Inoculation in Soil. <i>Environmental Science &amp; Technology</i> , 2017, 51, 1570-1579.	4.6	78
44	Draft Genome Sequence of <i>Magnetospirillum</i> sp. Strain 15-1, a Denitrifying Toluene Degrader Isolated from a Planted Fixed-Bed Reactor. <i>Genome Announcements</i> , 2017, 5, .	0.8	5
45	Farewell Prof. Hans-Jürgen Rehm. <i>Microbial Biotechnology</i> , 2017, 10, 223-223.	2.0	0
46	Toxicity evaluation of selected ammonium-based ionic liquid forms with MCPP and dicamba moieties on <i>Pseudomonas putida</i> . <i>Chemosphere</i> , 2017, 167, 114-119.	4.2	44
47	<i>Rectinema cohabitans</i> gen. nov., sp. nov., a rod-shaped spirochaete isolated from an anaerobic naphthalene-degrading enrichment culture. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2017, 67, 1288-1295.	0.8	35
48	<i>Monaibacterium marinum</i> , gen. nov, sp. nov, a new member of the Alphaproteobacteria isolated from seawater of Menai Straits, Wales, UK. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2017, 67, 3310-3317.	0.8	18
49	Isolation and characterization of <i>Magnetospirillum</i> sp. strain 15-1 as a representative anaerobic toluene-degrader from a constructed wetland model. <i>PLoS ONE</i> , 2017, 12, e0174750.	1.1	14
50	Surface Properties and Cellular Energetics of Bacteria in Response to the Presence of Hydrocarbons. , 2017, , 1-12.		0
51	Arsenite response in <i>Coccomyxa</i> sp. Can explored by transcriptomic and non-targeted metabolomic approaches. <i>Environmental Microbiology</i> , 2016, 18, 1289-1300.	1.8	20
52	<i>In situ</i> proteomic highlights <i>Burkholderiaceae</i> as key players degrading toluene by para ring hydroxylation in a constructed wetland model. <i>Environmental Microbiology</i> , 2016, 18, 1176-1186.	1.8	81
53	Aerobic Toluene Degradation in the Rhizosphere of a Constructed Wetland Model Show Diurnal Polyhydroxyalkanoate Metabolism. <i>Applied and Environmental Microbiology</i> , 2016, 82, 4126-4132.	1.4	23
54	Adaptive response of <i>Rhodococcus opacus</i> PWD4 to salt and phenolic stress on the level of mycolic acids. <i>AMB Express</i> , 2016, 6, 66.	1.4	20

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55	Toxicity of synthetic herbicides containing 2,4-D and MCPA moieties towards <i>Pseudomonas putida</i> mt-2 and its response at the level of membrane fatty acid composition. <i>Chemosphere</i> , 2016, 144, 107-112.	4.2	26
56	LapF and Its Regulation by Fis Affect the Cell Surface Hydrophobicity of <i>Pseudomonas putida</i> . <i>PLoS ONE</i> , 2016, 11, e0166078.	1.1	20
57	Body Mass Parameters, Lipid Profiles and Protein Contents of Zebrafish Embryos and Effects of 2,4-Dinitrophenol Exposure. <i>PLoS ONE</i> , 2015, 10, e0134755.	1.1	49
58	ER stress induced by the OCH1 mutation triggers changes in lipid homeostasis in <i>Kluyveromyces lactis</i> . <i>Research in Microbiology</i> , 2015, 166, 84-92.	1.0	6
59	Glycerophospholipid synthesis and functions in <i>Pseudomonas</i> . <i>Chemistry and Physics of Lipids</i> , 2015, 190, 27-42.	1.5	42
60	Microbial Toluene Removal in Hypoxic Model Constructed Wetlands Occurs Predominantly via the Ring Monooxygenation Pathway. <i>Applied and Environmental Microbiology</i> , 2015, 81, 6241-6252.	1.4	43
61	Genome and physiology of the ascomycete filamentous fungus <i>Xeromyces bisporus</i> , the most xerophilic organism isolated to date. <i>Environmental Microbiology</i> , 2015, 17, 496-513.	1.8	34
62	Adaptation in Toxic Environments: Arsenic Genomic Islands in the Bacterial Genus <i>Thiomonas</i> . <i>PLoS ONE</i> , 2015, 10, e0139011.	1.1	24
63	Biotechnological and environmental microbiological research in the Baltic region. <i>Biotechnology and Applied Biochemistry</i> , 2014, 61, 1-2.	1.4	0
64	Effect of silver nanoparticles and silver ions on growth and adaptive response mechanisms of <i>Pseudomonas putida</i> mt-2. <i>FEMS Microbiology Letters</i> , 2014, 355, 71-77.	0.7	72
65	Biodegradation of diesel/biodiesel blends in saturated sand microcosms. <i>Fuel</i> , 2014, 116, 321-327.	3.4	58
66	Rapid adaptation of <i>Rhodococcus erythropolis</i> cells to salt stress by synthesizing polyunsaturated fatty acids. <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 5599-606.	1.7	40
67	Physiology and transcriptome of the polycyclic aromatic hydrocarbon-degrading <i>Sphingomonas</i> sp. LH128 after long-term starvation. <i>Microbiology (United Kingdom)</i> , 2013, 159, 1807-1817.	0.7	25
68	Genome sequence and functional genomic analysis of the oil-degrading bacterium <i>Oleispira antarctica</i> . <i>Nature Communications</i> , 2013, 4, 2156.	5.8	115
69	Biostimulation by methanol enables the methylotrophic yeasts <i>Hansenula polymorpha</i> and <i>Trichosporon</i> sp. to reveal high formaldehyde biodegradation potential as well as to adapt to this toxic pollutant. <i>Applied Microbiology and Biotechnology</i> , 2013, 97, 5555-5564.	1.7	9
70	Bacterial metabolism of environmental arsenic mechanisms and biotechnological applications. <i>Applied Microbiology and Biotechnology</i> , 2013, 97, 3827-3841.	1.7	161
71	Microbial cell-envelope fragments and the formation of soil organic matter: a case study from a glacier forefield. <i>Biogeochemistry</i> , 2013, 113, 595-612.	1.7	82
72	Adaptation of the Hydrocarbonoclastic Bacterium <i>Alcanivorax borkumensis</i> SK2 to Alkanes and Toxic Organic Compounds: a Physiological and Transcriptomic Approach. <i>Applied and Environmental Microbiology</i> , 2013, 79, 4282-4293.	1.4	85

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73	Klebsiellasp. strain C2A isolated from olive oil mill waste is able to tolerate and degrade tannic acid in very high concentrations. <i>FEMS Microbiology Letters</i> , 2013, 343, 105-112.	0.7	11
74	Exposure to Solute Stress Affects Genome-Wide Expression but Not the Polycyclic Aromatic Hydrocarbon-Degrading Activity of <i>Sphingomonas</i> sp. Strain LH128 in Biofilms. <i>Applied and Environmental Microbiology</i> , 2012, 78, 8311-8320.	1.4	26
75	A dual signalling pathway for the hypoxic expression of lipid genes, dependent on the glucose sensor Rag4, is revealed by the analysis of the KMG2 gene in <i>Kluyveromyces lactis</i> . <i>Microbiology (United Kingdom)</i> , 2011, 157, 1509-1518.	0.7	13
76	Membrane Vesicle Formation as a Multiple-Stress Response Mechanism Enhances <i>Pseudomonas putida</i> DOT-T1E Cell Surface Hydrophobicity and Biofilm Formation. <i>Applied and Environmental Microbiology</i> , 2012, 78, 6217-6224.	1.4	235
77	Degradation state of organic matter in surface sediments from the Southern Beaufort Sea: a lipid approach. <i>Biogeosciences</i> , 2012, 9, 3513-3530.	1.3	42
78	Alkanols and chlorophenols cause different physiological adaptive responses on the level of cell surface properties and membrane vesicle formation in <i>Pseudomonas putida</i> DOT-T1E. <i>Applied Microbiology and Biotechnology</i> , 2012, 93, 837-845.	1.7	78
79	Surface properties and intracellular speciation revealed an original adaptive mechanism to arsenic in the acid mine drainage bio-indicator <i>Euglena mutabilis</i> . <i>Applied Microbiology and Biotechnology</i> , 2012, 93, 1735-1744.	1.7	26
80	Lipase-catalyzed process in an anhydrous medium with enzyme reutilization to produce biodiesel with low acid value. <i>Journal of Bioscience and Bioengineering</i> , 2011, 112, 583-589.	1.1	34
81	Incorporating dormancy in dynamic microbial community models. <i>Ecological Modelling</i> , 2011, 222, 3092-3102.	1.2	55
82	Reductive dehalogenation mediated initiation of aerobic degradation of 2-chloro-4-nitrophenol (2C4NP) by <i>Burkholderia</i> sp. strain SJ98. <i>Applied Microbiology and Biotechnology</i> , 2011, 92, 597-607.	1.7	40
83	Transcriptome and membrane fatty acid analyses reveal different strategies for responding to permeating and non-permeating solutes in the bacterium <i>Sphingomonas wittichii</i> . <i>BMC Microbiology</i> , 2011, 11, 250.	1.3	36
84	Relative quantitative PCR to assess bacterial community dynamics during biodegradation of diesel and biodiesel fuels under various aeration conditions. <i>Bioresource Technology</i> , 2011, 102, 4347-4352.	4.8	54
85	Interactions between rhamnolipid biosurfactants and toxic chlorinated phenols enhance biodegradation of a model hydrocarbon-rich effluent. <i>International Biodeterioration and Biodegradation</i> , 2011, 65, 605-611.	1.9	41
86	KHsl1 is a component of glycerol response pathways in the milk yeast <i>Kluyveromyces lactis</i> . <i>Microbiology (United Kingdom)</i> , 2011, 157, 1509-1518.	0.7	13
87	The role of energy-efficient biotechnological processes in the waste management industry. <i>Waste Management and Research</i> , 2011, 29, 563-564.	2.2	2
88	The trans/cis ratio of unsaturated fatty acids is not applicable as biomarker for environmental stress in case of long-term contaminated habitats. <i>Applied Microbiology and Biotechnology</i> , 2010, 87, 365-371.	1.7	29
89	Biotechnological processes for biodiesel production using alternative oils. <i>Applied Microbiology and Biotechnology</i> , 2010, 88, 621-636.	1.7	152
90	Improving fatty acid methyl ester production yield in a lipase-catalyzed process using waste frying oils as feedstock. <i>Journal of Bioscience and Bioengineering</i> , 2010, 109, 609-614.	1.1	53

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91	Adaptation of anaerobically grown <i>Thauera aromatica</i> , <i>Geobacter sulfurreducens</i> and <i>Desulfococcus multivorans</i> to organic solvents on the level of membrane fatty acid composition. <i>Microbial Biotechnology</i> , 2010, 3, 201-209.	2.0	38
92	The degradation of bisphenol A by the newly isolated bacterium <i>Cupriavidus basilensis</i> JF1 can be enhanced by biostimulation with phenol. <i>International Biodeterioration and Biodegradation</i> , 2010, 64, 324-330.	1.9	88
93	Physiological evidence for the presence of a cis-trans isomerase of unsaturated fatty acids in <i>Methylococcus capsulatus</i> Bath to adapt to the presence of toxic organic compounds. <i>FEMS Microbiology Letters</i> , 2010, 308, 68-75.	0.7	16
94	<i>Desulfitobacterium aromaticivorans</i> sp. nov. and <i>Geobacter toluenoxydans</i> sp. nov., iron-reducing bacteria capable of anaerobic degradation of monoaromatic hydrocarbons. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2010, 60, 686-695.	0.8	113
95	High Stability and Fast Recovery of Expression of the TOL Plasmid-Carried Toluene Catabolism Genes of <i>Pseudomonas putida</i> mt-2 under Conditions of Oxygen Limitation and Oscillation. <i>Applied and Environmental Microbiology</i> , 2010, 76, 6715-6723.	1.4	20
96	Formation of specialized aerial architectures by <i>Rhodococcus</i> during utilization of vaporized p-cresol. <i>Microbiology (United Kingdom)</i> , 2009, 155, 3788-3796.	0.7	15
97	Two naphthalene degrading bacteria belonging to the genera <i>Paenibacillus</i> and <i>Pseudomonas</i> isolated from a highly polluted lagoon perform different sensitivities to the organic and heavy metal contaminants. <i>Extremophiles</i> , 2009, 13, 839-848.	0.9	37
98	Cell wall adaptations of planktonic and biofilm <i>Rhodococcus erythropolis</i> cells to growth on C5 to C16 n-alkane hydrocarbons. <i>Applied Microbiology and Biotechnology</i> , 2009, 82, 311-320.	1.7	109
99	Enhancement of the microbial community biomass and diversity during air sparging bioremediation of a soil highly contaminated with kerosene and BTEX. <i>Applied Microbiology and Biotechnology</i> , 2009, 82, 565-577.	1.7	52
100	Biodegradation and surfactant-mediated biodegradation of diesel fuel by 218 microbial consortia are not correlated to cell surface hydrophobicity. <i>Applied Microbiology and Biotechnology</i> , 2009, 84, 545-553.	1.7	79
101	Rhamnolipid biosurfactants decrease the toxicity of chlorinated phenols to <i>Pseudomonas putida</i> DOT-T1E. <i>Letters in Applied Microbiology</i> , 2009, 48, 756-62.	1.0	34
102	Biodegradation of diesel/biodiesel blends by a consortium of hydrocarbon degraders: Effect of the type of blend and the addition of biosurfactants. <i>Bioresource Technology</i> , 2009, 100, 1497-1500.	4.8	162
103	Membrane fatty acids adaptive profile in the simultaneous presence of arsenic and toluene in <i>Bacillus</i> sp. ORAs2 and <i>Pseudomonas</i> sp. ORAs5 strains. <i>Extremophiles</i> , 2008, 12, 343-349.	0.9	52
104	Impact of fermentation pH and temperature on freeze-drying survival and membrane lipid composition of <i>Lactobacillus coryniformis</i> Si3. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2008, 35, 175-181.	1.4	54
105	Adaptation of the psychrotroph <i>Arthrobacter chlorophenolicus</i> A6 to growth temperature and the presence of phenols by changes in the anteiso/iso ratio of branched fatty acids. <i>FEMS Microbiology Letters</i> , 2007, 266, 138-143.	0.7	62
106	Solvent-tolerant bacteria for biotransformations in two-phase fermentation systems. <i>Applied Microbiology and Biotechnology</i> , 2007, 74, 961-973.	1.7	297
107	Anaerobically grown <i>Thauera aromatica</i> , <i>Desulfococcus multivorans</i> , <i>Geobacter sulfurreducens</i> are more sensitive towards organic solvents than aerobic bacteria. <i>Applied Microbiology and Biotechnology</i> , 2007, 77, 705-711.	1.7	35
108	BIOREMEDIATION OF SOILS CONTAMINATED WITH AROMATIC COMPOUNDS: EFFECTS OF RHIZOSPHERE, BIOAVAILABILITY, GENE REGULATION AND STRESS ADAPTATION. , 2007, , 1-4.		2

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109	Degradation of macrolide antibiotics by ozone: A mechanistic case study with clarithromycin. <i>Chemosphere</i> , 2006, 65, 17-23.	4.2	142
110	<i>Enterobacter</i> sp. VKGH12 growing with n-butanol as the sole carbon source and cells to which the alcohol is added as pure toxin show considerable differences in their adaptive responses. <i>FEMS Microbiology Letters</i> , 2006, 254, 48-54.	0.7	24
111	Energetics and Surface Properties of <i>Pseudomonas putida</i> DOT-T1E in a Two-Phase Fermentation System with 1-Decanol as Second Phase. <i>Applied and Environmental Microbiology</i> , 2006, 72, 4232-4238.	1.4	64
112	Adaptation of <i>Rhodococcus erythropolis</i> DCL14 to growth on n-alkanes, alcohols and terpenes. <i>Applied Microbiology and Biotechnology</i> , 2005, 67, 383-388.	1.7	63
113	Changes in Fatty Acid Composition of <i>Chromohalobacter israelensis</i> with Varying Salt Concentrations. <i>Current Microbiology</i> , 2005, 50, 151-154.	1.0	27
114	Cells of <i>Pseudomonas putida</i> and <i>Enterobacter</i> sp. adapt to toxic organic compounds by increasing their size. <i>Extremophiles</i> , 2005, 9, 163-168.	0.9	119
115	Prediction of the Adaptability of <i>Pseudomonas putida</i> DOT-T1E to a Second Phase of a Solvent for Economically Sound Two-Phase Biotransformations. <i>Applied and Environmental Microbiology</i> , 2005, 71, 6606-6612.	1.4	63
116	Adaptation of <i>Escherichia coli</i> to Ethanol on the Level of Membrane Fatty Acid Composition. <i>Applied and Environmental Microbiology</i> , 2005, 71, 3388-3388.	1.4	4
117	Yeast adaptation to 2,4-dichlorophenoxyacetic acid involves increased membrane fatty acid saturation degree and decreased OLE1 transcription. <i>Biochemical and Biophysical Research Communications</i> , 2005, 330, 271-278.	1.0	47
118	Simultaneous Degradation of Atrazine and Phenol by <i>Pseudomonas</i> sp. Strain ADP: Effects of Toxicity and Adaptation. <i>Applied and Environmental Microbiology</i> , 2004, 70, 1907-1912.	1.4	104
119	Carbon isotope fractionation during cis $\rightarrow$ trans isomerization of unsaturated fatty acids in <i>Pseudomonas putida</i> . <i>Applied Microbiology and Biotechnology</i> , 2004, 66, 285-290.	1.7	16
120	Expression of glutathione S-transferase and peptide methionine sulphoxide reductase in <i>Chrobactrum anthropis</i> correlated to the production of reactive oxygen species caused by aromatic substrates. <i>FEMS Microbiology Letters</i> , 2004, 241, 151-156.	0.7	57
121	Enzymatic Activation of the cis-Trans Isomerase and Transcriptional Regulation of Efflux Pumps in Solvent Tolerance in <i>Pseudomonas putida</i> . , 2004, , 479-508.		6
122	The regulation of the cis-trans isomerase of unsaturated fatty acids in <i>Pseudomonas putida</i> : correlation between <i>cti</i> activity and K <sup>+</sup> -uptake systems. <i>European Journal of Lipid Science and Technology</i> , 2003, 105, 585-589.	1.0	18
123	Reports on Symposia and Congresses: <i>Eur. J. Lipid Sci. Technol.</i> 7/2003. <i>European Journal of Lipid Science and Technology</i> , 2003, 105, 385-385.	1.0	2
124	Effect of aliphatic alcohols on growth and degree of saturation of membrane lipids in <i>Acinetobacter calcoaceticus</i> . <i>FEMS Microbiology Letters</i> , 2003, 220, 223-227.	0.7	129
125	The cis $\rightarrow$ trans isomerase of unsaturated fatty acids in <i>Pseudomonas</i> and <i>Vibrio</i> : biochemistry, molecular biology and physiological function of a unique stress adaptive mechanism. <i>FEMS Microbiology Letters</i> , 2003, 229, 1-7.	0.7	241
126	Mechanism of cis-trans Isomerization of Unsaturated Fatty Acids in <i>Pseudomonas putida</i> . <i>Journal of Bacteriology</i> , 2003, 185, 1730-1733.	1.0	71



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127	Occurrence and properties of glutathione S-transferases in phenol-degrading <i>Pseudomonas</i> strains. <i>Research in Microbiology</i> , 2002, 153, 89-98.	1.0	25
128	Modulation of the glutathione S-transferase in <i>Ochrobactrum anthropi</i> : function of xenobiotic substrates and other forms of stress. <i>Biochemical Journal</i> , 2000, 346, 553.	1.7	14
129	Modulation of the glutathione S-transferase in <i>Ochrobactrum anthropi</i> : function of xenobiotic substrates and other forms of stress. <i>Biochemical Journal</i> , 2000, 346, 553-559.	1.7	33
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131	Methane oxidation by Dutch grassland and peat soil microflora. <i>Chemosphere</i> , 1997, 35, 3025-3037.	4.2	11
132	Physiological response of <i>Pseudomonas putida</i> S12 subjected to reduced water activity. <i>FEMS Microbiology Letters</i> , 1996, 139, 133-137.	0.7	1
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134	Physiological response of <i>Pseudomonas putida</i> S12 subjected to reduced water activity. <i>FEMS Microbiology Letters</i> , 1996, 139, 133-137.	0.7	30
135	The integrated CH <sub>4</sub> grassland project: Methane consumption by indigenous grassland microflora. <i>Studies in Environmental Science</i> , 1995, 65, 581-584.	0.0	1
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137	Cellular Toxicity of Lipophilic Compounds: Mechanisms, Implications, and Adaptations. <i>Biocatalysis</i> , 1994, 10, 113-122.	0.9	58
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