

# KatarÃ- na DercovÃ;

## List of Publications by Year in descending order

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32  
papers

744  
citations

567281

15  
h-index

526287

27  
g-index

32  
all docs

32  
docs citations

32  
times ranked

957  
citing authors

#	ARTICLE	IF	CITATIONS
1	Response Mechanisms of Bacterial Degraders to Environmental Contaminants on the Level of Cell Walls and Cytoplasmic Membrane. <i>International Journal of Microbiology</i> , 2014, 2014, 1-16.	2.3	138
2	Bioremediation of PCB-contaminated shallow river sediments: The efficacy of biodegradation using individual bacterial strains and their consortia. <i>Chemosphere</i> , 2018, 193, 270-277.	8.2	60
3	Bacterial strains isolated from PCB-contaminated sediments and their use for bioaugmentation strategy in microcosms. <i>Journal of Basic Microbiology</i> , 2014, 54, 253-260.	3.3	54
4	Degradation of polychlorinated biphenyls (PCBs) by four bacterial isolates obtained from the PCB-contaminated soil and PCB-contaminated sediment. <i>International Biodeterioration and Biodegradation</i> , 2014, 91, 52-59.	3.9	47
5	Isolation and identification of PCB-degrading microorganisms from contaminated sediments. <i>International Biodeterioration and Biodegradation</i> , 2008, 62, 219-225.	3.9	39
6	Fenton's type reaction and chemical pretreatment of PCBs. <i>Chemosphere</i> , 1999, 39, 2621-2628.	8.2	36
7	Bioremediation of soil contaminated with pentachlorophenol (PCP) using humic acids bound on zeolite. <i>Chemosphere</i> , 2007, 66, 783-790.	8.2	34
8	Effects of plant terpenes on biodegradation of polychlorinated biphenyls (PCBs). <i>International Biodeterioration and Biodegradation</i> , 2012, 69, 23-27.	3.9	30
9	Effect of housing geometry on the performance of Chemcatcher, passive sampler for the monitoring of hydrophobic organic pollutants in water. <i>Environmental Pollution</i> , 2008, 153, 706-710.	7.5	29
10	The effect of polychlorinated biphenyls (PCBs) on the membrane lipids of <i>Pseudomonas stutzeri</i> . <i>International Biodeterioration and Biodegradation</i> , 2011, 65, 1019-1023.	3.9	26
11	Characterization of the bottom sediments contaminated with polychlorinated biphenyls: Evaluation of ecotoxicity and biodegradability. <i>International Biodeterioration and Biodegradation</i> , 2009, 63, 440-449.	3.9	21
12	Adaptation mechanisms of bacteria during the degradation of polychlorinated biphenyls in the presence of natural and synthetic terpenes as potential degradation inducers. <i>Applied Microbiology and Biotechnology</i> , 2012, 94, 1375-1385.	3.6	19
13	Removal of polychlorinated biphenyl congeners in mixture Delor 103 from wastewater by ozonation vs/and biological method. <i>Journal of Hazardous Materials</i> , 2017, 321, 54-61.	12.4	19
14	The Application of Biosurfactants in Bioremediation of the Aged Sediment Contaminated with Polychlorinated Biphenyls. <i>Water, Air, and Soil Pollution</i> , 2018, 229, 1.	2.4	18
15	A kinetic distribution model of evaporation, biosorption and biodegradation of polychlorinated biphenyls (PCBs) in the suspension of <i>Pseudomonas stutzeri</i> . <i>Chemosphere</i> , 1999, 38, 1391-1400.	8.2	16
16	Potential Use of Newly Isolated Bacterial Strain <i>Ochrobactrum anthropi</i> in Bioremediation of Polychlorinated Biphenyls. <i>Water, Air, and Soil Pollution</i> , 2014, 225, 1.	2.4	16
17	Monitoring evaporation of polychlorinated biphenyls (PCB) in long term degradation experiments. <i>Biotechnology Letters</i> , 1995, 9, 333-338.	0.5	15
18	Biodegradation mechanism of biphenyl by a strain of <i>Pseudomonas stutzeri</i> . <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2011, 46, 337-344.	1.7	15

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19	Evaporation kinetics of polychlorinated biphenyls during biodegradation experiments. <i>Biotechnology Letters</i> , 1996, 10, 37-40.	0.5	14
20	The Effect of Lignite and <i>Comamonas testosteroni</i> on Pentachlorophenol Biodegradation and Soil Ecotoxicity. <i>Water, Air, and Soil Pollution</i> , 2011, 218, 145-155.	2.4	14
21	Bioremediation vs. Nanoremediation: Degradation of Polychlorinated Biphenyls (PCBS) Using Integrated Remediation Approaches. <i>Water, Air, and Soil Pollution</i> , 2019, 230, 1.	2.4	13
22	Repeated batch $\alpha$ -amylase production in aqueous two-phase system with <i>Bacillus</i> strains. <i>Journal of Biotechnology</i> , 1993, 27, 181-191.	3.8	12
23	Potential use of organomineral complex (OMC) for bioremediation of pentachlorophenol (PCP) in soil. <i>International Biodeterioration and Biodegradation</i> , 2006, 58, 248-253.	3.9	12
24	Bioremediation of PCB-contaminated sediments and evaluation of their pre- and post-treatment ecotoxicity. <i>Chemical Papers</i> , 2016, 70, .	2.2	12
25	Approaches and Frameworks for Managing Contaminated Sediments - A European Perspective. , 2006, , 5-82.		10
26	Bacterial cell membrane adaptation responses on stress caused with the environmental pollutants. <i>Acta Chimica Slovaca</i> , 2013, 6, 106-114.	0.8	8
27	The adaptation responses of bacterial cytoplasmic membrane fluidity in the presence of environmental stress factors " polychlorinated biphenyls and 3-chlorobenzoic acid. <i>Biologia (Poland)</i> , 2014, 69, 428-434.	1.5	7
28	Identification of biodegradation products of biphenyl and 2,3-dihydroxybiphenyl (2,3-DHB). <i>Acta Chimica Slovaca</i> , 2014, 7, 44-51.	0.8	5
29	Remediation potential of bacterial mixed cultures for polychlorinated biphenyls (PCBs) biodegradation. <i>Acta Chimica Slovaca</i> , 2019, 12, 1-7.	0.8	2
30	Biological Synthesis of Nanoparticles: Iron-based Plant Bionanoparticles and Their Use for Remediation of the Contaminated Environment. , 2022, 116, 405-415.		2
31	Bioremediation of PCB-Contaminated Sediments and Adaptive Mechanisms of Bacterial Degraders Exposed to Polychlorinated Biphenyls (PCBs). , 2013, , 155-181.		1
32	Evaporation and elimination of PCBs during degradation by <i>Pseudomonas stutzeri</i> . <i>Toxicological and Environmental Chemistry</i> , 1998, 66, 11-16.	1.2	0