KatarÃ-na DercovÃ¡

List of Publications by Year
in descending order

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	Biological Synthesis of Nanoparticles: Iron-based Plant Bionanoparticles and Their Use for Remediation of the Contaminated Environment. , 2022, 116, 405-415.		2
2	Bioremediation vs. Nanoremediation: Degradation of Polychlorinated Biphenyls (PCBS) Using Integrated Remediation Approaches. Water, Air, and Soil Pollution, 2019, 230, 1.	2.4	13
3	Remediation potential of bacterial mixed cultures for polychlorinated biphenyls (PCBs) biodegradation. Acta Chimica Slovaca, 2019, 12, 1-7.	0.8	2
4	Bioremediation of PCB-contaminated shallow river sediments: The efficacy of biodegradation using individual bacterial strains and their consortia. Chemosphere, 2018, 193, 270-277.	8.2	60
5	The Application of Biosurfactants in Bioremediation of the Aged Sediment Contaminated with Polychlorinated Biphenyls. Water, Air, and Soil Pollution, 2018, 229, 1.	2.4	18
6	Removal of polychlorinated biphenyl congeners in mixture Delor 103 from wastewater by ozonation vs/and biological method. Journal of Hazardous Materials, 2017, 321, 54-61.	12.4	19
7	Bioremediation of PCB-contaminated sediments and evaluation of their pre- and post-treatment ecotoxicity. Chemical Papers, 2016, 70, .	2.2	12
8	Bacterial strains isolated from PCBâ€contaminated sediments and their use for bioaugmentation strategy in microcosms. Journal of Basic Microbiology, 2014, 54, 253-260.	3.3	54
9	Response Mechanisms of Bacterial Degraders to Environmental Contaminants on the Level of Cell Walls and Cytoplasmic Membrane. International Journal of Microbiology, 2014, 2014, 1-16.	2.3	138
10	The adaptation responses of bacterial cytoplasmic membrane fluidity in the presence of environmental stress factors â€" polychlorinated biphenyls and 3-chlorobenzoic acid. Biologia (Poland), 2014, 69, 428-434.	1.5	7
11	Degradation of polychlorinated biphenyls (PCBs) by four bacterial isolates obtained from the PCB-contaminated soil and PCB-contaminated sediment. International Biodeterioration and Biodegradation, 2014, 91, 52-59.	3.9	47
12	Potential Use of Newly Isolated Bacterial Strain Ochrobactrum anthropi in Bioremediation of Polychlorinated Biphenyls. Water, Air, and Soil Pollution, 2014, 225, 1.	2.4	16
13	Identification of biodegradation products of biphenyl and 2,3-dihydroxybiphenyl (2,3-DHB). Acta Chimica Slovaca, 2014, 7, 44-51.	0.8	5
14	Bacterial cell membrane adaptation responses on stress caused with the environmental pollutants. Acta Chimica Slovaca, 2013, 6, 106-114.	0.8	8
15	Bioremediation of PCB-Contaminated Sediments and Adaptive Mechanisms of Bacterial Degraders Exposed to Polychlorinated Biphenyls (PCBs). , 2013, , 155-181.		1
16	Adaptation mechanisms of bacteria during the degradation of polychlorinated biphenyls in the presence of natural and synthetic terpenes as potential degradation inducers. Applied Microbiology and Biotechnology, 2012, 94, 1375-1385.	3.6	19
17	Effects of plant terpenes on biodegradation of polychlorinated biphenyls (PCBs). International Biodeterioration and Biodegradation, 2012, 69, 23-27.	3.9	30
18	The effect of polychlorinated biphenyls (PCBs) on the membrane lipids of Pseudomonas stutzeri. International Biodeterioration and Biodegradation, 2011, 65, 1019-1023.	3.9	26

#	Article	IF	Citations
19	The Effect of Lignite and Comamonas testosteroni on Pentachlorophenol Biodegradation and Soil Ecotoxicity. Water, Air, and Soil Pollution, 2011, 218, 145-155.	2.4	14
20	Biodegradation mechanism of biphenyl by a strain ofPseudomonas stutzeri. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2011, 46, 337-344.	1.7	15
21	Characterization of the bottom sediments contaminated with polychlorinated biphenyls: Evaluation of ecotoxicity and biodegradability. International Biodeterioration and Biodegradation, 2009, 63, 440-449.	3.9	21
22	Isolation and identification of PCB-degrading microorganisms from contaminated sediments. International Biodeterioration and Biodegradation, 2008, 62, 219-225.	3.9	39
23	Effect of housing geometry on the performance of Chemcatcherâ„¢ passive sampler for the monitoring of hydrophobic organic pollutants in water. Environmental Pollution, 2008, 153, 706-710.	7.5	29
24	Bioremediation of soil contaminated with pentachlorophenol (PCP) using humic acids bound on zeolite. Chemosphere, 2007, 66, 783-790.	8.2	34
25	Potential use of organomineral complex (OMC) for bioremediation of pentachlorophenol (PCP) in soil. International Biodeterioration and Biodegradation, 2006, 58, 248-253.	3.9	12
26	Approaches and Frameworks for Managing Contaminated Sediments - A European Perspective. , 2006, , 5-82.		10
27	A kinetic distribution model of evaporation, biosorption and biodegradation of polychlorinated biphenyls (PCBs) in the suspension of Pseudomonas stutzeri. Chemosphere, 1999, 38, 1391-1400.	8.2	16
28	Fenton's type reaction and chemical pretreatment of PCBs. Chemosphere, 1999, 39, 2621-2628.	8.2	36
29	Evaporation and elimination of PCBs during degradation bypseudomonas stutzeri. Toxicological and Environmental Chemistry, 1998, 66, 11-16.	1.2	0
30	Evaporation kinetics of polychorinated biphenyls during biodegradation experiments. Biotechnology Letters, 1996, 10, 37-40.	0.5	14
31	Monitoring evaporation of polychlorinated biphenyls (PCB) in long term degradation experiments. Biotechnology Letters, 1995, 9, 333-338.	0.5	15
32	Repeated batch Î±-amylase production in aqueous two-phase system with Bacillus strains. Journal of Biotechnology, 1993, 27, 181-191.	3.8	12