GraÅ¼yna Anna PÅ‚aza

List of Publications by Year
in descending order

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55 papers	2,455 citations	236612 25 h-index	205818 48 g-index
56 all docs	56 docs citations	56 times ranked	3092 citing authors

#	ARTICLE	IF	CITATIONS
1	Environmental Applications of Biosurfactants: Recent Advances. International Journal of Molecular Sciences, 2011, 12, 633-654.	1.8	764
2	Use of different methods for detection of thermophilic biosurfactant-producing bacteria from hydrocarbon-contaminated and bioremediated soils. Journal of Petroleum Science and Engineering, 2006, 50, 71-77.	2.1	149
3	The application of bioassays as indicators of petroleum-contaminated soil remediation. Chemosphere, 2005, 59, 289-296.	4.2	146
4	Strong and Nonspecific Synergistic Antibacterial Efficiency of Antibiotics Combined with Silver Nanoparticles at Very Low Concentrations Showing No Cytotoxic Effect. Molecules, 2016, 21, 26.	1.7	121
5	Biosurfactant Mediated Biosynthesis of Selected Metallic Nanoparticles. International Journal of Molecular Sciences, 2014, 15, 13720-13737.	1.8	91
6	Characterization of hydrocarbon-degrading and biosurfactant-producing Pseudomonas sp. P-1 strain as a potential tool for bioremediation of petroleum-contaminated soil. Environmental Science and Pollution Research, 2014, 21, 9385-9395.	2.7	88
7	Biosurfactants: Eco-Friendly and Innovative Biocides against Biocorrosion. International Journal of Molecular Sciences, 2020, 21, 2152.	1.8	70
8	Structural identification of lipopeptide biosurfactants produced by Bacillus subtilis strains grown on the media obtained from renewable natural resources. Journal of Environmental Management, 2018, 209, 65-70.	3.8	66
9	Changes induced by heavy metals in the plant-associated microbiome of Miscanthus x giganteus. Science of the Total Environment, 2020, 711, 134433.	3.9	56
10	Characteristics of airborne bacteria and fungi in some Polish wastewater treatment plants. International Journal of Environmental Science and Technology, 2017, 14, 2181-2192.	1.8	55
11	Detection of biosurfactants inBacillusspecies: genes and products identification. Journal of Applied Microbiology, 2015, 119, 1023-1034.	1.4	53
12	Monitoring the changes in a bacterial community in petroleum-polluted soil bioaugmented with hydrocarbon-degrading strains. Applied Soil Ecology, 2016, 105, 76-85.	2.1	53
13	Industrialization as a source of heavy metals and antibiotics which can enhance the antibiotic resistance in wastewater, sewage sludge and river water. PLoS ONE, 2021, 16, e0252691.	1.1	52
14	Ecotoxicological and microbiological characterization of soils from heavy-metal- and hydrocarbon-contaminated sites. Environmental Monitoring and Assessment, 2010, 163, 477-488.	1.3	47
15	Surfactants of microbial origin as antibiofilm agents. International Journal of Environmental Health Research, 2021, 31, 401-420.	1.3	45
16	Lipid composition in a strain of Bacillus subtilis, a producer of iturin A lipopeptides that are active against uropathogenic bacteria. World Journal of Microbiology and Biotechnology, 2016, 32, 157.	1.7	44
17	A nonspecific synergistic effect of biogenic silver nanoparticles and biosurfactant towards environmental bacteria and fungi. Ecotoxicology, 2018, 27, 352-359.	1.1	40
18	Culturomics and metagenomics: In understanding of environmental resistome. Frontiers of Environmental Science and Engineering, 2019, 13, 1.	3.3	35

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19	Microbial Community Profiles in Wastewaters from Onsite Wastewater Treatment Systems Technology. PLoS ONE, 2016, 11, e0147725.	1.1	33
20	Keratinolytic fungi in sewage sludge. Mycopathologia, 1996, 136, 41-46.	1.3	32
21	Utilization of monocyclic aromatic hydrocarbons individually and in mixture by bacteria isolated from petroleum-contaminated soil. World Journal of Microbiology and Biotechnology, 2007, 23, 533-542.	1.7	31
22	Reduction of Petroleum Hydrocarbons and Toxicity in Refinery Wastewater by Bioremediation. Bulletin of Environmental Contamination and Toxicology, 2008, 81, 329-333.	1.3	27
23	Application of the BIOLOG system for characterization of Serratia marcescens ss marcescens isolated from onsite wastewater technology (OSWT). Acta Biochimica Polonica, 2015, 62, 799-805.	0.3	27
24	An assessment of the genotoxic effects of landfill leachates using bacterial and plant tests. Ecotoxicology and Environmental Safety, 2012, 75, 55-62.	2.9	26
25	Agricultural potential of rhizospheric Bacillus subtilis strains exhibiting varied efficiency of surfactin production. Scientia Horticulturae, 2017, 225, 802-809.	1.7	26
26	Changes in Enzyme Activities and Microbial Community Structure in Heavy Metalâ€Contaminated Soil under in Situ Aided Phytostabilization. Clean - Soil, Air, Water, 2014, 42, 1618-1625.	0.7	25
27	Effect of a lipopeptide biosurfactant on the precipitation of calcium carbonate. Colloids and Surfaces B: Biointerfaces, 2019, 174, 145-152.	2.5	24
28	Effect of cadmium on growth of potentially pathogenic soil fungi. Mycopathologia, 1998, 141, 93-100.	1.3	20
29	Assessment of genotoxic activity of petroleum hydrocarbon-bioremediated soil. Ecotoxicology and Environmental Safety, 2005, 62, 415-420.	2.9	19
30	Properties of Antibiotic-Resistant Bacteria Isolated from Onsite Wastewater Treatment Plant in Relation to Biofilm Formation. Current Microbiology, 2018, 75, 639-649.	1.0	19
31	Activity and functional diversity of microbial communities in long-term hydrocarbon and heavy metal contaminated soils. Archives of Environmental Protection, 2016, 42, 3-11.	1.1	17
32	Synthesis of silver nanoparticles by Bacillus subtilis Tâ€ÂgrowingÂon agroâ€industrial wastes and producing biosurfactant. IET Nanobiotechnology, 2016, 10, 62-68.	1.9	14
33	Occurrence of Fluoroquinolones and Sulfonamides Resistance Genes in Wastewater and Sludge at Different Stages of Wastewater Treatment: A Preliminary Case Study. Applied Sciences (Switzerland), 2020, 10, 5816.	1.3	14
34	Assessment of the chemical, microbiological and toxicological aspects of post-processing water from underground coal gasification. Ecotoxicology and Environmental Safety, 2014, 108, 294-301.	2.9	13
35	Characterization of Extracellular Biosurfactants Expressed by a Pseudomonas putida Strain Isolated from the Interior of Healthy Roots from Sida hermaphrodita Grown in a Heavy Metal Contaminated Soil. Current Microbiology, 2019, 76, 1320-1329.	1.0	13
36	Silver nanoparticles formed in bio- and chemical syntheses with biosurfactant as the stabilizing agent. Journal of Dispersion Science and Technology, 2017, 38, 1647-1655.	1.3	12

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37	Effects of Pulp and Na-Bentonite Amendments on the Mobility of Trace Elements, Soil Enzymes Activity and Microbial Parameters under Ex Situ Aided Phytostabilization. PLoS ONE, 2017, 12, e0169688.	1.1	12
38	Using phenotype microarrays in the assessment of the antibiotic susceptibility profile of bacteria isolated from wastewater in on-site treatment facilities. Folia Microbiologica, 2017, 62, 453-461.	1.1	10
39	Insights into the microbial diversity and structure in a full-scale municipal wastewater treatment plant with particular regard to Archaea. PLoS ONE, 2021, 16, e0250514.	1.1	10
40	Fluoroquinolone Resistance and Virulence Properties Among Wastewater Aeromonas caviae Isolates. Microbial Drug Resistance, 2021, 27, 179-189.	0.9	9
41	New and Emerging Risks Associated With â€œGreenâ€•Workplaces. Workplace Health and Safety, 2017, 65, 493-500.	0.7	8
42	Reception of the Smart City Concept in the Opinion of Local Administration Officials â€“ A Case Study. Management Systems in Production Engineering, 2021, 29, 320-326.	0.4	8
43	Moving to Smart Cities Through the Standard Indicators ISO 37120. Multidisciplinary Aspects of Production Engineering, 2020, 3, 617-630.	0.2	6
44	Further statistical evaluation of the occurrence of keratinolytic fungi in dam sediments. International Journal of Environmental Health Research, 1996, 6, 39-47.	1.3	3
45	Investigation of keratinolytic and non-keratinolytic fungi grown above or below a 1-cm sewage sludge blanket. International Biodeterioration and Biodegradation, 2007, 59, 119-124.	1.9	3
46	TTC- Based Test as an Efficient Method to Determine Antibiofilm Activity of Silver Nanoparticles. E3S Web of Conferences, 2017, 17, 00015.	0.2	3
47	Hybrid nanolayers of star polymers and silver nanoparticles with antibacterial activity. Colloids and Surfaces B: Biointerfaces, 2022, 213, 112404.	2.5	3
48	Seasonal and Technological Shifts of the WHO Priority Multi-Resistant Pathogens in Municipal Wastewater Treatment Plant and Its Receiving Surface Water: A Case Study. International Journal of Environmental Research and Public Health, 2022, 19, 336.	1.2	3
49	Are Wetlands as an Integrated Bioremediation System Applicable for the Treatment of Wastewater from Underground Coal Gasification Processes?. Energies, 2022, 15, 4419.	1.6	3
50	Effect of the freeze-drying process on the phenotypic diversity of Pseudomonas putida strains isolated from the interior of healthy roots of Sida hermaphrodita: Phenotype microarrays (PMs). Cryobiology, 2020, 96, 145-151.	0.3	2
51	Surfactin as a Green Agent Controlling the Growth of Porous Calcite Microstructures. International Journal of Molecular Sciences, 2020, 21, 5526.	1.8	2
52	The effect of biologically and chemically synthesized silver nanoparticles (AgNPs) on biofilm formation. E3S Web of Conferences, 2017, 22, 00029.	0.2	1
53	Whole-Genome Sequences of Antibiotic-Resistant Aeromonas caviae Strains Isolated from Treated Wastewater. Microbiology Resource Announcements, 2020, 9, .	0.3	1
54	PN-ISO 37120 Standard â€“ Known or Unknown by Local Administration â€“ Preliminary Study. Multidisciplinary Aspects of Production Engineering, 2021, 4, 489-498.	0.2	1

#	Article	IF	Citations
55	Microbiological Risk Assessment and Bioprocess Engineering. Multidisciplinary Aspects of Production Engineering, 2018, 1, 233-239.	0.2	0