Aleksandra SkÅ‚odowska

List of Publications by Year
in descending order

51 papers	1,571 citations	304743 22 h-index	302126 39 g-index
51 all docs	51 docs citations	51 times ranked	1916 citing authors

#	Article	IF	Citations
1	Overexpression of phytochelatin synthase in tobacco: distinctive effects of AtPCS1 and CePCS genes on plant response to cadmium. Journal of Experimental Botany, 2008, 59, 2205-2219.	4.8	117
2	Ectopic expression of Arabidopsis ABC transporter MRP7 modifies cadmium root-to-shoot transport and accumulation. Environmental Pollution, 2009, 157, 2781-2789.	7.5	113
3	Bacteria, hypertolerant to arsenic in the rocks of an ancient gold mine, and their potential role in dissemination of arsenic pollution. Environmental Pollution, 2008, 156, 1069-1074.	7.5	111
4	Arsenic-transforming microbes and their role in biomining processes. Environmental Science and Pollution Research, 2013, 20, 7728-7739.	5.3	101
5	Arsenic response of AtPCS1- and CePCS-expressing plants â€“ Effects of external As(V) concentration on As-accumulation pattern and NPT metabolism. Journal of Plant Physiology, 2010, 167, 169-175.	3.5	96
6	Microbial Consortium with High Cellulolytic Activity (MCHCA) for Enhanced Biogas Production. Frontiers in Microbiology, 2016, 7, 324.	3.5	92
7	Bioweathering of Kupferschiefer black shale (Fore-Sudetic Monocline, SW Poland) by indigenous bacteria: implication for dissolution and precipitation of minerals in deep underground mine. FEMS Microbiology Ecology, 2012, 81, 99-110.	2.7	72
8	SNF1-Related Protein Kinases Type 2 Are Involved in Plant Responses to Cadmium Stress Â Â. Plant Physiology, 2012, 160, 868-883.	4.8	71
9	The culturable bacteria isolated from organic-rich black shale potentially useful in biometallurgical procedures. Journal of Applied Microbiology, 2009, 107, 858-866.	3.1	57
10	Physiological and Metagenomic Analyses of Microbial Mats Involved in Self-Purification of Mine Waters Contaminated with Heavy Metals. Frontiers in Microbiology, 2016, 7, 1252.	3.5	57
11	The method of contact angle measurements and estimation of work of adhesion in bioleaching of metals. Biological Procedures Online, 1999, 1, 114-121.	2.9	52
12	Adaptation of Methanogenic Inocula to Anaerobic Digestion of Maize Silage. Frontiers in Microbiology, 2017, 8, 1881.	3.5	45
13	Arsenic release from gold mine rocks mediated by the activity of indigenous bacteria. Hydrometallurgy, 2010, 104, 437-442.	4.3	41
14	Structural and functional genomics of plasmid pSinA of Sinorhizobium sp. M14 encoding genes for the arsenite oxidation and arsenic resistance. Journal of Biotechnology, 2013, 164, 479-488.	3.8	40
15	Arsenite and Arsenate Metabolism ofSinorhizobiumsp. M14 Living in the Extreme Environment of the Zloty Stok Gold Mine. Geomicrobiology Journal, 2008, 25, 363-370.	2.0	37
16	Bacteria diversity and arsenic mobilization in rock biofilm from an ancient gold and arsenic mine. Science of the Total Environment, 2013, 461-462, 330-340.	8.0	34
17	Biodegradation of Kupferschiefer black shale organic matter (Fore-Sudetic Monocline, Poland) by indigenous microorganisms. Chemosphere, 2011, 83, 1255-1261.	8.2	32
18	The contribution of microbial mats to the arsenic geochemistry of an ancient gold mine. Environmental Pollution, 2012, 162, 190-201.	7.5	31

#	Article	IF	Citations
19	Biotransformation of copper from Kupferschiefer black shale (Fore-Sudetic Monocline, Poland) by yeast Rhodotorula mucilaginosa LM9. Chemosphere, 2013, 91, 1257-1265.	8.2	30
20	The role of dissimilatory arsenate reducing bacteria in the biogeochemical cycle of arsenic based on the physiological and functional analysis of Aeromonas sp. O23A. Science of the Total Environment, 2017, 598, 680-689.	8.0	30
21	Biotransformation of Organic-Rich Copper-Bearing Black Shale by Indigenous Microorganisms Isolated from Lubin Copper Mine (Poland). Environmental Science & Technology, 2010, 44, 2433-2440.	10.0	27
22	Determination of factors responsible for the bioweathering of copper minerals from organic-rich copper-bearing Kupferschiefer black shale. Chemosphere, 2016, 148, 416-425.	8.2	25
23	The effect of the source of microorganisms on adaptation of hydrolytic consortia dedicated to anaerobic digestion of maize silage. Anaerobe, 2017, 46, 46-55.	2.1	23
24	Application of metagenomic methods for selection of an optimal growth medium for bacterial diversity analysis of microbiocenoses onÂhistorical stone surfaces. International Biodeterioration and Biodegradation, 2018, 131, 2-10.	3.9	20
25	Bacterial weathering of fossil organic matter and organic carbon mobilization from subterrestrial ‹scp›K‹/scp›upferschiefer black shale: longâ€term laboratory studies. Environmental Microbiology Reports, 2017, 9, 459-466.	2.4	19
26	Arsenic-Hypertolerant‹i›Pseudomonads‹/i›Isolated from Ancient Gold and Copper-Bearing Black Shale Deposits. Geomicrobiology Journal, 2008, 25, 357-362.	2.0	18
27	Shewanella sp. O23S as a Driving Agent of a System Utilizing Dissimilatory Arsenate-Reducing Bacteria Responsible for Self-Cleaning of Water Contaminated with Arsenic. International Journal of Molecular Sciences, 2015, 16, 14409-14427.	4.1	16
28	Bacterial and Fungal Diversity Inside the Medieval Building Constructed with Sandstone Plates and Lime Mortar as an Example of the Microbial Colonization of a Nutrient-Limited Extreme Environment (Wawel Royal Castle, Krakow, Poland). Microorganisms, 2019, 7, 416.	3.6	15
29	Title is missing!. Biotechnology Letters, 1998, 20, 229-233.	2.2	14
30	Solubilization of Pb-bearing apatite Pb5(PO4)3Cl by bacteria isolated from polluted environment. Chemosphere, 2017, 171, 302-307.	8.2	13
31	Kinetics of arsenite oxidation by Sinorhizobium sp. M14 under changing environmental conditions. International Biodeterioration and Biodegradation, 2017, 119, 476-485.	3.9	12
32	Microbiological Sulfide Removalâ€"From Microorganism Isolation to Treatment of Industrial Effluent. Microorganisms, 2021, 9, 611.	3.6	12
33	Extracellular Polymer Produced in the Presence of Copper Minerals. Geomicrobiology Journal, 2005, 22, 65-73.	2.0	10
34	Arsenic Mobilization from Historically Contaminated Mining Soils in a Continuously Operated Bioreactor: Implications for Risk Assessment. Environmental Science & Technology, 2016, 50, 9124-9132.	10.0	10
35	Diversity of Biodeteriorative Bacterial and Fungal Consortia in Winter and Summer on Historical Sandstone of the Northern Pergola, Museum of King John IIIâ€™s Palace at Wilanow, Poland. Applied Sciences (Switzerland), 2021, 11, 620.	2.5	10
36	Raoultella sp. SM1, a novel iron-reducing and uranium-precipitating strain. Chemosphere, 2018, 195, 722-726.	8.2	9

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37	The influence of thermal treatment on bioweathering and arsenic sorption capacity of a natural iron (oxyhydr)oxide-based adsorbent. Chemosphere, 2017, 188, 99-109.	8.2	8
38	Construction of the recombinant broad-host-range plasmids providing their bacterial hosts arsenic resistance and arsenite oxidation ability. Journal of Biotechnology, 2015, 196-197, 42-51.	3.8	7
39	Extracellular compounds produced by bacterial consortium promoting elements mobilization from polymetallic Kupferschiefer black shale (Fore-Sudetic Monocline, Poland). Chemosphere, 2015, 122, 273-279.	8.2	7
40	Bioleaching Of Metals In Neutral And Slightly Alkaline Environment. , 2007, , 121-129.		6
41	Uptake and degradation of copper and cobalt porphyrins by indigenous microorganisms of Kupferschiefer (Fore-Sudetic Monocline, Poland). Hydrometallurgy, 2010, 104, 501-505.	4.3	6
42	The role of microorganisms in dispersion of thallium compounds in the environment. Polish Journal of Microbiology, 2004, 53, 273-8.	1.7	5
43	Arsenic Hypertolerant Bacteria Isolated from Gold Mine Rocks Biofilms. Advanced Materials Research, 2007, 20-21, 576-576.	0.3	4
44	Introduction to Bacterial Anhydrobiosis: A General Perspective and the Mechanisms of Desiccation-Associated Damage. Microorganisms, 2022, 10, 432.	3.6	4
45	Adaptive responses of chemolithoautotrophic acidophilic Acidithiobacillus ferrooxidans to sewage sludge. Journal of Applied Microbiology, 2007, 102, 1485-1498.	3.1	3
46	Microbial Impact on Arsenic Mobilization in Zloty Stok Gold Mine. Advanced Materials Research, 0, 71-73, 121-124.	0.3	3
47	Isolation and Characterisation of Microorganisms from Copper Bearing Black Shale of Lubin Mine (Poland). Advanced Materials Research, 2007, 20-21, 580-580.	0.3	2
48	Granulated Bog Iron Ores as Sorbents in Passive (Bio)Remediation Systems for Arsenic Removal. Frontiers in Chemistry, 2018, 6, 54.	3.6	2
49	Biotransformation of Metalloporphyrins by Microorganisms Isolated from Organic-Rich Metal-Bearing Black Shale. Advanced Materials Research, 0, 71-73, 709-712.	0.3	1
50	Extracellular Membrane Structures: A Component of the Epilithic Biofilm on the Kupferschiefer Black Shale. Geomicrobiology Journal, 2017, 34, 166-175.	2.0	1
51	Adaptive changes of chemolithoautotrophic acidophilic sulfur-oxidizing bacteria during growth in sewage sludge. Canadian Journal of Microbiology, 2006, 52, 1189-1198.	1.7	0