

Anna GaÅ,Äzka

List of Publications by Year in descending order

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83
papers

1,307
citations

393982

19
h-index

433756

31
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84
all docs

84
docs citations

84
times ranked

1327
citing authors

#	ARTICLE	IF	CITATIONS
1	Biochar dose determines methane uptake and methanotroph abundance in Haplic Luvisol. <i>Science of the Total Environment</i> , 2022, 806, 151259.	3.9	16
2	Can the Biological Activity of Abandoned Soils Be Changed by the Growth of <i>Paulownia elongata</i> Ä— <i>Paulownia fortunei</i> ? Preliminary Study on a Young Tree Plantation. <i>Agriculture (Switzerland)</i> , 2022, 12, 128.	1.4	8
3	Effect of Thiosemicarbazone Derivatives and <i>Fusarium culmorum</i> (Wm.G. Sm.) Sacc. Infection of Winter Wheat Seedlings on Their Health Status and Soil Biological Activity. <i>Agronomy</i> , 2022, 12, 116.	1.3	6
4	Biocontrol Potential and Catabolic Profile of Endophytic <i>Diaporthe</i> eres Strain 1420S from <i>Prunus domestica</i> L. in Poland A Preliminary Study. <i>Agronomy</i> , 2022, 12, 165.	1.3	7
5	Biodiversity and Metabolic Potential of Bacteria in Bulk Soil from the Peri-Root Zone of Black Alder (<i>Alnus glutinosa</i>), Silver Birch (<i>Betula pendula</i>) and Scots Pine (<i>Pinus sylvestris</i>). <i>International Journal of Molecular Sciences</i> , 2022, 23, 2633.	1.8	7
6	Does the Use of an Intercropping Mixture Really Improve the Biology of Monocultural Soils? A Search for Bacterial Indicators of Sensitivity and Resistance to Long-Term Maize Monoculture. <i>Agronomy</i> , 2022, 12, 613.	1.3	11
7	Can Model Experiments Give Insight into the Response of the Soil Environment to Flooding? A Comparison of Microcosm and Natural Event. <i>Biology</i> , 2022, 11, 386.	1.3	1
8	Functional and Seasonal Changes in the Structure of Microbiome Inhabiting Bottom Sediments of a Pond Intended for Ecological King Carp Farming. <i>Biology</i> , 2022, 11, 913.	1.3	4
9	Fungal genetic biodiversity and metabolic activity as an indicator of potential biological weathering and soil formation ä€“ Case study of towards a better understanding of Earth system dynamics. <i>Ecological Indicators</i> , 2022, 141, 109136.	2.6	4
10	Influence of pipe material on biofilm microbial communities found in drinking water supply system. <i>Environmental Research</i> , 2021, 196, 110433.	3.7	21
11	A Comprehensive Analysis Using Colorimetry, Liquid Chromatography-Tandem Mass Spectrometry and Bioassays for the Assessment of Indole Related Compounds Produced by Endophytes of Selected Wheat Cultivars. <i>Molecules</i> , 2021, 26, 1394.	1.7	6
12	Fungal biodiversity and metabolic potential of selected fluvisols from the Vistula River valley in Lubelskie, Poland. <i>Applied Soil Ecology</i> , 2021, 160, 103866.	2.1	5
13	ENZYMATIC HYDROLYSIS OF FAST-GROWING POPLAR WOOD AFTER PRETREATMENT BY STEAM EXPLOSION. <i>Cellulose Chemistry and Technology</i> , 2021, 55, 637-647.	0.5	8
14	Silica/Lignin Carrier as a Factor Increasing the Process Performance and Genetic Diversity of Microbial Communities in Laboratory-Scale Anaerobic Digesters. <i>Energies</i> , 2021, 14, 4429.	1.6	9
15	Microbial Involvement in Carbon Transformation via CH ₄ and CO ₂ in Saline Sedimentary Pool. <i>Biology</i> , 2021, 10, 792.	1.3	3
16	Phenotype Switching in Metal-Tolerant Bacteria Isolated from a Hyperaccumulator Plant. <i>Biology</i> , 2021, 10, 879.	1.3	0
17	Organic nitrogen modulates not only cadmium toxicity but also microbial activity in plants. <i>Journal of Hazardous Materials</i> , 2021, 402, 123887.	6.5	12
18	Identification and Characterization of Metabolic Potential of Different Strains from Genus <i>Rhizobium</i> . <i>Proceedings (mdpi)</i> , 2021, 66, .	0.2	0

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19	Microbial activity and community level physiological profiles (CLPP) of soil under the cultivation of spring rape with the Roundup 360 SL herbicide. <i>Journal of Environmental Health Science & Engineering</i> , 2021, 19, 2013-2026.	1.4	4
20	The Use of Interactions Between Microorganisms in Strawberry Cultivation (<i>Fragaria x ananassa</i>) Tj ETQq0 0 0 rgBT, /Overlock, 10 Tf 50 7	1.7	4
21	Fungal Indicators of Sensitivity and Resistance to Long-Term Maize Monoculture: A Culture-Independent Approach. <i>Frontiers in Microbiology</i> , 2021, 12, 799378.	1.5	10
22	Culture-independent analysis of an endophytic core microbiome in two species of wheat: <i>Triticum aestivum</i> L. (cv. "Hondia"™) and the first report of microbiota in <i>Triticum spelta</i> L. (cv. "Rokosz"™). <i>Systematic and Applied Microbiology</i> , 2020, 43, 126025.	1.2	65
23	Effect of Coapplication of Biochar and Nutrients on Microbiocenotic Composition, Dehydrogenase Activity Index and Chemical Properties of Sandy Soil. <i>Waste and Biomass Valorization</i> , 2020, 11, 3911-3923.	1.8	28
24	Stimulation of methanogenesis in bituminous coal from the upper Silesian coal basin. <i>International Journal of Coal Geology</i> , 2020, 231, 103609.	1.9	8
25	Fungal Community, Metabolic Diversity, and Glomalin-Related Soil Proteins (GRSP) Content in Soil Contaminated With Crude Oil After Long-Term Natural Bioremediation. <i>Frontiers in Microbiology</i> , 2020, 11, 572314.	1.5	28
26	Soil Microbial Community Profiling and Bacterial Metabolic Activity of Technosols as an Effect of Soil Properties following Land Reclamation: A Case Study from the Abandoned Iron Sulphide and Uranium Mine in Rudki (South-Central Poland). <i>Agronomy</i> , 2020, 10, 1795.	1.3	13
27	Activity and Diversity of Microorganisms in Root Zone of Plant Species Spontaneously Inhabiting Smelter Waste Piles. <i>Molecules</i> , 2020, 25, 5638.	1.7	16
28	Effect of Mycorrhizal Inoculation and Irrigation on Biological Properties of Sweet Pepper Rhizosphere in Organic Field Cultivation. <i>Agronomy</i> , 2020, 10, 1693.	1.3	8
29	Biodiversity in the Rhizosphere of Selected Winter Wheat (<i>Triticum aestivum</i> L.) Cultivars "Genetic and Catabolic Fingerprinting. <i>Agronomy</i> , 2020, 10, 953.	1.3	19
30	Evaluation of Changes in Glomalin-Related Soil Proteins (GRSP) Content, Microbial Diversity and Physical Properties Depending on the Type of Soil as the Important Biotic Determinants of Soil Quality. <i>Agronomy</i> , 2020, 10, 1279.	1.3	20
31	Genetic and Phenotypic Diversity of Rhizobia Isolated from <i>Trifolium rubens</i> Root Nodules. <i>Agronomy</i> , 2020, 10, 1286.	1.3	1
32	The Response of Red Clover (<i>Trifolium pratense</i> L.) to Separate and Mixed Inoculations with <i>Rhizobium leguminosarum</i> and <i>Azospirillum brasilense</i> in Presence of Polycyclic Aromatic Hydrocarbons. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 5751.	1.2	8
33	Impact of Water Stress on Microbial Community and Activity in Sandy and Loamy Soils. <i>Agronomy</i> , 2020, 10, 1429.	1.3	55
34	Biological activity and functional diversity in soil in different cultivation systems. <i>International Journal of Environmental Science and Technology</i> , 2020, 17, 4189-4204.	1.8	17
35	Impact of trees and forests on the Devonian landscape and weathering processes with implications to the global Earth's system properties - A critical review. <i>Earth-Science Reviews</i> , 2020, 205, 103200.	4.0	29
36	Biochar addition reinforces microbial interspecies cooperation in methanation of sugar beet waste (pulp). <i>Science of the Total Environment</i> , 2020, 730, 138921.	3.9	26

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37	New Insight into the Composition of Wheat Seed Microbiota. <i>International Journal of Molecular Sciences</i> , 2020, 21, 4634.	1.8	39
38	Prevalence of unclassified bacteria in the soil bacterial community from floodplain meadows (fluvisols) under simulated flood conditions revealed by a metataxonomic approach. <i>Catena</i> , 2020, 188, 104448.	2.2	35
39	Water-induced molecular changes of hard coals and lignites. <i>International Journal of Coal Geology</i> , 2020, 224, 103481.	1.9	6
40	Changes in Soil Enzymatic Activity Caused by Hydric Stress. <i>Polish Journal of Environmental Studies</i> , 2020, 29, 2653-2660.	0.6	6
41	Microorganisms As Indoor And Outdoor Air Biological Pollution. <i>Postepy Mikrobiologii</i> , 2020, 59, 115-127.	0.1	6
42	Strip-till as a means of decreasing spatial variability of winter barley within a field scale. <i>Acta Agriculturae Scandinavica - Section B Soil and Plant Science</i> , 2019, 69, 516-527.	0.3	8
43	Role of <i>Festuca rubra</i> and <i>Festuca arundinacea</i> in determining the functional and genetic diversity of microorganisms and of the enzymatic activity in the soil polluted with diesel oil. <i>Environmental Science and Pollution Research</i> , 2019, 26, 27738-27751.	2.7	14
44	Analysis of Soil Properties, Bacterial Community Composition, and Metabolic Diversity in Fluvisols of a Floodplain Area. <i>Sustainability</i> , 2019, 11, 3929.	1.6	20
45	Changes of Microbial Diversity in Rhizosphere Soils of New Quality Varieties of Winter Wheat Cultivation in Organic Farming. <i>Sustainability</i> , 2019, 11, 4057.	1.6	11
46	Endophytic Bacteria Potentially Promote Plant Growth by Synthesizing Different Metabolites and their Phenotypic/Physiological Profiles in the Biolog GEN III MicroPlate™ Test. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5283.	1.8	58
47	Changes in the Substrate Source Reveal Novel Interactions in the Sediment-Derived Methanogenic Microbial Community. <i>International Journal of Molecular Sciences</i> , 2019, 20, 4415.	1.8	7
48	Fungal Biodiversity of the Most Common Types of Polish Soil in a Long-Term Microplot Experiment. <i>Frontiers in Microbiology</i> , 2019, 10, 6.	1.5	46
49	Community-Level Physiological Profiles of Microorganisms from Different Types of Soil That are Characteristic to Poland in a Long-Term Microplot Experiment. <i>Sustainability</i> , 2019, 11, 56.	1.6	22
50	Functional Microbial Diversity in Context to Agriculture. , 2019, , 347-358.		9
51	Metagenomic analysis of bacterial and fungal community composition associated with <i>Paulownia elongata</i> and <i>Paulownia fortunei</i> . <i>BioResources</i> , 2019, 14, 8511-8529.	0.5	13
52	GENETIC DIFFERENTIATION METHODS OF MICROORGANISMS IN THE SOIL - PLANT SYSTEM. <i>Postepy Mikrobiologii</i> , 2019, 56, 341-352.	0.1	3
53	The Rhizosphere Microbiome And Its Beneficial Effects On Plants – Current Knowledge And Perspectives. <i>Postepy Mikrobiologii</i> , 2019, 58, 59-69.	0.1	9
54	EDAPHIC FACTORS AND THEIR INFLUENCE ON THE MICROBIOLOGICAL BIODIVERSITY OF THE SOIL ENVIRONMENT. <i>Postepy Mikrobiologii</i> , 2019, 58, 375-384.	0.1	9

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55	DEADLY MICROBES - MICROBES USED AS A BIOLOGICAL WEAPON. <i>Postepy Mikrobiologii</i> , 2019, 56, 395-404.	0.1	0
56	INFLUENCE OF SOIL MICROBIAL ACTIVITY AND PHYSICAL PROPERTIES ON SOIL RESPIRATION UNDER MAIZE (ZEA MAYS L.). <i>Applied Ecology and Environmental Research</i> , 2019, 17, .	0.2	6
57	PAULOWNIA – SZYBKO ROSNĄCE, WIELOFUNKCYJNE DRZEWO BIOENERGETYCZNE. <i>Cosmos: Problems of Biological Sciences</i> , 2019, 67, 781-789.	0.0	0
58	Effect of organic farming on soil microbiological parameters. <i>Polish Journal of Soil Science</i> , 2019, 52, 259.	0.3	1
59	Impact of abiotic factors on development of the community of arbuscular mycorrhizal fungi in the soil: a Review. <i>International Agrophysics</i> , 2018, 32, 133-140.	0.7	60
60	Microplot long-term experiment reveals strong soil type influence on bacteria composition and its functional diversity. <i>Applied Soil Ecology</i> , 2018, 124, 117-123.	2.1	42
61	Genetic and Functional Diversity of Bacterial Microbiome in Soils With Long Term Impacts of Petroleum Hydrocarbons. <i>Frontiers in Microbiology</i> , 2018, 9, 1923.	1.5	73
62	Catabolic Fingerprinting and Diversity of Bacteria in Mollic Gleysol Contaminated with Petroleum Substances. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 1970.	1.3	18
63	Assessment of the glomalin content in the soil under winter wheat in different crop production systems. <i>Plant, Soil and Environment</i> , 2018, 64, 32-37.	1.0	10
64	Fungal Genetics and Functional Diversity of Microbial Communities in the Soil under Long-Term Monoculture of Maize Using Different Cultivation Techniques. <i>Frontiers in Microbiology</i> , 2018, 9, 76.	1.5	33
65	The identification and genetic diversity of endophytic bacteria isolated from selected crops. <i>Journal of Agricultural Science</i> , 2018, 156, 547-556.	0.6	12
66	Response of Pulses to Seed or Soil Application of Rhizobial Inoculants. <i>Ecological Chemistry and Engineering S</i> , 2018, 25, 323-329.	0.3	5
67	Intensyfikacja rolnictwa a środowisko naturalne. <i>Zeszyty Problemowe Postępów Nauk Rolniczych</i> , 2018, 3-13.	0.1	5
68	Microbial diversity of Paulownia spp. leaves – A new source of green manure. <i>BioResources</i> , 2018, 13, 4807-4819.	0.5	6
69	Intensyfikacja rolnictwa a środowisko naturalne. <i>Zeszyty Problemowe Postępów Nauk Rolniczych</i> , 2018, 3-13.	0.1	0
70	Microbial community diversity and the interaction of soil under maize growth in different cultivation techniques. <i>Plant, Soil and Environment</i> , 2017, 63, 264-270.	1.0	47
71	Effect of different agricultural management practices on soil biological parameters including glomalin fraction. <i>Plant, Soil and Environment</i> , 2017, 63, 300-306.	1.0	47
72	Effects of maize and winter wheat grown under different cultivation techniques on biological activity of soil. <i>Plant, Soil and Environment</i> , 2017, 63, 449-454.	1.0	21

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73	Soil respiration depending on different agricultural practices before maize sowing. <i>Plant, Soil and Environment</i> , 2017, 63, 435-441.	1.0	6
74	The effect of the same microbial products on basic biological activities of soil under cereal crops. <i>Plant, Soil and Environment</i> , 2017, 63, 111-116.	1.0	0
75	Changes in Enzymatic Activities and Microbial Communities in Soil under Long-Term Maize Monoculture and Crop Rotation. <i>Polish Journal of Environmental Studies</i> , 2017, 26, 39-46.	0.6	42
76	INTERACTIONS OF ARBUSCULAR MYCORRHIZAL FUNGI WITH PLANTS AND SOIL MICROFLORA. <i>Acta Scientiarum Polonorum, Hortorum Cultus</i> , 2017, 16, 89-95.	0.3	19
77	Evaluation of the content of phenolic acids and their antioxidant activity in winter cereal seeds. <i>Journal of Elementology</i> , 2017, , .	0.0	4
78	Wpływ rolnictwa ekologicznego na środowisko w koncepcji rozwoju zrównoważonego. , 2017, , 147-165.	0.1	5
79	SYMBIOTIC EFFECTIVENESS OF RHIZOBIUM LEGUMINOSARUM BV. VICIAE WITH PEA PLANTS AS INFLUENCED BY AZOTOBACTER CHROOCOCCUM. <i>Journal of Ecological Engineering</i> , 2015, 16, 185-190.	0.5	1
80	Phytoremediation of Polycyclic Aromatic Hydrocarbons in Soils Artificially Polluted Using Plant-Associated-Endophytic Bacteria and <i>Dactylis glomerata</i> as the Bioremediation Plant. <i>Polish Journal of Microbiology</i> , 2015, 64, 241-252.	0.6	29
81	The Molecular-Based Methods Used for Studying Bacterial Diversity in Soils Contaminated with PAHs (The Review). , 0, , .		6
82	Identification and characterization of metabolic potential of different strains from genus <i>Rhizobium</i> . , 0, , .		0
83	Bacterial structure and community-level physiological profiles in water from Vistula River, Lubelskie, Poland. , 0, , .		0