

Patrycja Boguta

List of Publications by Year in descending order

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36
papers

1,838
citations

567281
15
h-index

330143
37
g-index

37
all docs

37
docs citations

37
times ranked

1908
citing authors

#	ARTICLE	IF	CITATIONS
1	Biochar physicochemical properties: pyrolysis temperature and feedstock kind effects. <i>Reviews in Environmental Science and Biotechnology</i> , 2020, 19, 191-215.	8.1	1,089
2	Insight into the interaction mechanism of iron ions with soil humic acids. The effect of the pH and chemical properties of humic acids. <i>Journal of Environmental Management</i> , 2019, 245, 367-374.	7.8	90
3	Interactions of Zn(II) Ions with Humic Acids Isolated from Various Type of Soils. Effect of pH, Zn Concentrations and Humic Acids Chemical Properties. <i>PLoS ONE</i> , 2016, 11, e0153626.	2.5	88
4	Biomass type effect on biochar surface characteristic and adsorption capacity relative to silver and copper. <i>Fuel</i> , 2020, 278, 118168.	6.4	65
5	Effects of selected chemical and physicochemical properties of humic acids from peat soils on their interaction mechanisms with copper ions at various pHs. <i>Journal of Geochemical Exploration</i> , 2016, 168, 119-126.	3.2	49
6	Chemically engineered biochar – Effect of concentration and type of modifier on sorption and structural properties of biochar from wood waste. <i>Fuel</i> , 2019, 256, 115893.	6.4	46
7	Biochar efficiency in copper removal from Haplic soils. <i>International Journal of Environmental Science and Technology</i> , 2019, 16, 4899-4912.	3.5	37
8	Use of thermal analysis coupled with differential scanning calorimetry, quadrupole mass spectrometry and infrared spectroscopy (TG-DSC-QMS-FTIR) to monitor chemical properties and thermal stability of fulvic and humic acids. <i>PLoS ONE</i> , 2017, 12, e0189653.	2.5	37
9	Zinc Binding to Fulvic acids: Assessing the Impact of pH, Metal Concentrations and Chemical Properties of Fulvic Acids on the Mechanism and Stability of Formed Soluble Complexes. <i>Molecules</i> , 2020, 25, 1297.	3.8	35
10	Influence of pH and grain size on physicochemical properties of biochar and released humic substances. <i>Fuel</i> , 2019, 240, 334-338.	6.4	22
11	Influence of phosphate ions on buffer capacity of soil humic acids. <i>International Agrophysics</i> , 2012, 26, 7-14.	1.7	19
12	Analysis of the sorption properties of different soils using water vapour adsorption and potentiometric titration methods. <i>International Agrophysics</i> , 2016, 30, 369-374.	1.7	18
13	Electrical double layer at the gibbsite/anionic polyacrylamide/supporting electrolyte interface – Adsorption, spectroscopy and electrokinetic studies. <i>Journal of Molecular Liquids</i> , 2018, 261, 439-445.	4.9	18
14	A Comparative Study of the Application of Fluorescence Excitation-Emission Matrices Combined with Parallel Factor Analysis and Nonnegative Matrix Factorization in the Analysis of Zn Complexation by Humic Acids. <i>Sensors</i> , 2016, 16, 1760.	3.8	17
15	Statistical Relationship between Selected Physicochemical Properties of Peaty-Muck Soils and their Fraction of Humic Acids. <i>International Agrophysics</i> , 2014, 28, 269-278.	1.7	16
16	Variability of zinc, copper and lead contents in sludge of the municipal stormwater treatment plant. <i>Environmental Science and Pollution Research</i> , 2017, 24, 17145-17152.	5.3	15
17	Impact of Biochar on Physicochemical Properties of Haplic Luvisol Soil under Different Land Use: A Plot Experiment. <i>Agronomy</i> , 2019, 9, 531.	3.0	14
18	The influence of the physicochemical properties of sediment on the content and ecotoxicity of trace elements in bottom sediments. <i>Chemosphere</i> , 2022, 287, 132366.	8.2	14

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19	Natural organic matter controls metal speciation and toxicity for marine organisms: a review. <i>Environmental Chemistry Letters</i> , 2022, 20, 797-812.	16.2	13
20	Photosensitizing properties of water-extractable organic matter from soils. <i>Chemosphere</i> , 2014, 95, 317-323.	8.2	12
21	Contemporary Approach to the Porosity of Dental Materials and Methods of Its Measurement. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8903.	4.1	12
22	Trends in soil fractal parameters caused by accumulation of soil organic matter as resulting from the analysis of water vapor adsorption isotherms. <i>Ecological Complexity</i> , 2009, 6, 254-262.	2.9	11
23	Anionic polyacrylamide efficiency in goethite removal from aqueous solutions: goethite suspension destabilization by PAM. <i>International Journal of Environmental Science and Technology</i> , 2019, 16, 3145-3154.	3.5	11
24	Studies on the removal of Cd ions by gastrointestinal lactobacilli. <i>Applied Microbiology and Biotechnology</i> , 2017, 101, 3415-3425.	3.6	10
25	Comparison of Monovalent and Divalent Ions Removal from Aqueous Solutions Using Agricultural Waste Biochars Prepared at Different Temperatures Experimental and Model Study. <i>International Journal of Molecular Sciences</i> , 2020, 21, 5851.	4.1	10
26	Changes in variable charge and acidity of rye (<i>Secale cereale</i> L.) roots surface under Zn-stress. <i>Acta Physiologiae Plantarum</i> , 2009, 31, 59-64.	2.1	9
27	Initial growth and root surface properties of dicotyledonous plants in structurally intact field soil and compacted headland soil. <i>Soil and Tillage Research</i> , 2019, 195, 104387.	5.6	9
28	The effect of application of digestate and agro-food industry sludges on Dystric Cambisol porosity. <i>PLoS ONE</i> , 2020, 15, e0238469.	2.5	9
29	The influence of biochar on the content of carbon and the chemical transformations of fallow and grassland humic acids. <i>Scientific Reports</i> , 2021, 11, 5698.	3.3	9
30	Immediate effects of the application of various fungal strains with urea fertiliser on microbiome structure and functions and their relationships with the physicochemical parameters of two different soil types. <i>Applied Soil Ecology</i> , 2021, 163, 103972.	4.3	7
31	Chemical Transformation of Humic Acid Molecules under the Influence of Mineral, Fungal and Bacterial Fertilization in the Context of the Agricultural Use of Degraded Soils. <i>Molecules</i> , 2021, 26, 4921.	3.8	7
32	New method for quantifying water stability of soil aggregates from air bubbling after immersion. Measurement: <i>Journal of the International Measurement Confederation</i> , 2020, 155, 107569.	5.0	5
33	Structure and Strength of Artificial Soils Containing Monomineral Clay Fractions. <i>Materials</i> , 2021, 14, 4688.	2.9	4
34	Characteristics of rapeseed oil cake using nitrogen adsorption. <i>International Agrophysics</i> , 2013, 27, 329-334.	1.7	3
35	Adsorption of Polymer-Tethered Particles on Solid Surfaces. <i>Journal of Physical Chemistry B</i> , 2022, , .	2.6	3
36	Optimal isotherm model and explanatory characteristics associated with metal ion adsorption on humic acids isolated from forest soils. <i>Journal of Soils and Sediments</i> , 2022, 22, 2392-2405.	3.0	3