Marcin Pietrzykowski

List of Publications by Year
in descending order

89	1,701	257429 24	330122 37
papers	citations	h-index	g-index

90	90	90	1427
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Chemical and microbial properties of post-mining and post-fire soils afforested with different tree species. Applied Soil Ecology, 2022, 171, 104321.	4.3	9
2	Soil Carbon Sequestration in Novel Ecosystems at Post-Mine Sitesâ€"A New Insight into the Determination of Key Factors in the Restoration of Terrestrial Ecosystems. Forests, 2022, 13, 63.	2.1	7
3	Research on the influence of vegetation restoration in loess open-pit coal mines of China: Influencing factors and mechanism. Ecological Engineering, 2022, 177, 106549.	3.6	10
4	Soil Organic Carbon Pools and Associated Soil Chemical Properties under Two Pine Species (Pinus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	2.1	3
5	Influence of tree species on carbon, nitrogen, and phosphorus stocks and stoichiometry under different soil regeneration scenarios on reclaimed and afforested mine and post-fire forest sites. Geoderma, 2022, 415, 115782.	5.1	8
6	Changes in the Concentrations of Trace Elements and Supply of Nutrients to Silver Fir (Abies alba) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 Park (Southern Poland). Forests, 2022, 13, 718.	2.1	2
7	The impact of alder litter on chemistry of Technosols developed from lignite combustion waste and natural sandy substrate: a laboratory experiment. International Journal of Phytoremediation, 2021, 23, 415-425.	3.1	4
8	Carbon sink potential and allocation in above- and below-ground biomass in willow coppice. Journal of Forestry Research, 2021, 32, 349-354.	3.6	18
9	Bioindication of Heavy Metals Contamination by Mushrooms and Mosses in Highly Industrialized Environment. , 2021, , 271-288.		0
10	The Influence of Sedimentation Ponds of the Former Soda â€œSolvayâ€•Plant in Krakow on the Chemistry of the Wilga River. Sustainability, 2021, 13, 993.	3.2	1
11	Sequestration of Mercury in Soils under Scots Pine and Silver Fir Stands Located in the Proximity to a Roadway. International Journal of Environmental Research and Public Health, 2021, 18, 4569.	2.6	2
12	Spatial distribution characteristics of reconstructed soil bulk density of opencast coal-mine in the loess area of China. Catena, 2021, 199, 105116.	5.0	19
13	Multiple Factors Influence the Accumulation of Heavy Metals (Cu, Pb, Ni, Zn) in Forest Soils in the Vicinity of Roadways. Water, Air, and Soil Pollution, 2021, 232, 1.	2.4	13
14	Sulfur Contamination and Environmental Effects: A Case Study of Current SO2 Industrial Emission by Biomonitoring and Regional Post-mining hot-spots. Open Biotechnology Journal, 2021, 15, 82-96.	1.2	2
15	Determinants of farmersâ€™ adaptation decisions under changing climate: the case of Fars province in Iran. Climatic Change, 2021, 166, 1.	3.6	6
16	PlanetScope Imageries and LiDAR Point Clouds Processing for Automation Land Cover Mapping and Vegetation Assessment of a Reclaimed Sulfur Mine. Remote Sensing, 2021, 13, 2717.	4.0	7
17	Effects of Natural Rehabilitation of Degraded Land by Exclosure on Selected Soil Physicochemical Properties in Eastern Ethiopia. Agronomy, 2021, 11, 1628.	3.0	2
18	Survival and nutrient supply of seedlings of different tree species at the early stages of afforestation of a hard coal mine dump. Ecological Engineering, 2021, 167, 106270.	3.6	0

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19	Effect of tree species and soil texture on the carbon stock, macronutrient content, and physicochemical properties of regenerated postfire forest soils. Land Degradation and Development, 2021, 32, 5227-5240.	3.9	8
20	Soil factors determining the fine-root biomass in soil regeneration after a post-fire and soil reconstruction in reclaimed post-mining sites under different tree species. Catena, 2021, 204, 105449.	5.0	10
21	Biomonitoring of Mercury Contamination in Poland Based on Its Concentration in Scots Pine (Pinus) Tj ETQq1 1 0.784314 rgBT /Over 10366.	2.6	1
22	Activity of phosphatases and microbial phosphorus under various tree species growing on reclaimed technosols. Geoderma, 2021, 401, 115320.	5.1	10
23	Impact of Climate Change on Functional Root-Derived Signals. Soil Biology, 2021, , 3-11.	0.8	0
24	The Impact of Climate Change on Forest Tree Species Dieback and Changes in Their Distribution. Soil Biology, 2021, , 447-460.	0.8	3
25	Colonisation by enchytraeids as a suitable indicator of successful biological reclamation of post-mining technosols using alders. Applied Soil Ecology, 2020, 145, 103300.	4.3	7
26	The current state of environmental pollution with sulfur dioxide (SO2) in Poland based on sulfur concentration in Scots pine needles. Environmental Pollution, 2020, 258, 113559.	7.5	30
27	Concentration of trace elements in forest soil affected by former timber depot. Environmental Monitoring and Assessment, 2020, 192, 640.	2.7	5
28	Spatial distribution of soil bulk density and its relationship with slope and vegetation allocation model in rehabilitation of dumping site in loess open-pit mine area. Environmental Monitoring and Assessment, 2020, 192, 740.	2.7	12
29	Verifying the Utility of Black Locust (Robinia pseudoacacia L.) in the Reclamation of a Lignite Combustion Waste Disposal Site in Central European Conditions. Forests, 2020, 11, 877.	2.1	10
30	Risk Assessment of Potential Food Chain Threats from Edible Wild Mushrooms Collected in Forest Ecosystems with Heavy Metal Pollution in Upper Silesia, Poland. Forests, 2020, 11, 1240.	2.1	11
31	Assessment of Forest Ecosystem Development in Coal Mine Degraded Land by Using Integrated Mine Soil Quality Index (IMSQI): The Evidence from India. Forests, 2020, 11, 1310.	2.1	22
32	Reclaimed Area Land Cover Mapping Using Sentinel-2 Imagery and LiDAR Point Clouds. Remote Sensing, 2020, 12, 261.	4.0	15
33	Carbon and Macronutrient Budgets in an Alder Plantation Grown on a Reclaimed Combustion Waste Landfill. Forests, 2020, 11, 430.	2.1	4
34	Tree species affects the concentration of total mercury (Hg) in forest soils: Evidence from a forest soil inventory in Poland. Science of the Total Environment, 2019, 647, 141-148.	8.0	33
35	Mercury Concentration in Technosols and Alder Tissue from a Plantation on a Combustion Waste Disposal Site. Water, Air, and Soil Pollution, 2019, 230, 1.	2.4	6
36	Tree species selection and reaction to mine soil reconstructed at reforested post-mine sites: Central and eastern European experiences. Ecological Engineering: X, 2019, 142, 100012.	3.5	46

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37	Effect of green alder (Alnus viridis) and black alder (Alnus glutinosa) on chemical and microbial properties of sandy mine soils. Geoderma, 2019, 356, 113924.	5.1	5
38	Fusing Sentinel-2 Imagery and ALS Point Clouds for Defining LULC Changes on Reclaimed Areas by Afforestation. Sustainability, 2019, 11, 1251.	3.2	13
39	Bioaccumulation of Heavy Metals (Pb, Cd, Cr, Cu) in Fine Roots Under Three Species of Alders (Alnus) Tj ETQq1 1 0.784314 rgBT /Ove Water, Air, and Soil Pollution, 2019, 230, 1.	2.4	6
40	Ecophysiological aspects of in vitro biotechnological studies using somatic embryogenesis of callus tissue toward protecting forest ecosystems. Journal of Forestry Research, 2019, 30, 1159-1166.	3.6	5
41	Estimation of Fine Root Biomass of Alders Growing on Technosols Using Two Different Methods. Communications in Soil Science and Plant Analysis, 2019, 50, 474-481.	1.4	3
42	Sulphur contamination impact on seasonal and surface water chemistry on a reforested area of a former sulphur mine. Land Degradation and Development, 2019, 30, 212-225.	3.9	9
43	Fine root biomass and the associated C and nutrient pool under the alder (Alnus spp.) plantings on reclaimed technosols. Geoderma, 2019, 337, 1021-1027.	5.1	20
44	Chemistry of Sulfur-Contaminated Soil Substrate from a Former Frasch Extraction Method Sulfur Mine Leachate with Various Forms of Litter in a Controlled Experiment. Water, Air, and Soil Pollution, 2018, 229, 71.	2.4	10
45	Effect of black alder (Alnus glutinosa) admixture to Scots pine (Pinus sylvestris) plantations on chemical and microbial properties of sandy mine soils. Applied Soil Ecology, 2018, 124, 62-68.	4.3	26
46	Content of Zn, Cd and Pb in purple moor-grass in soils heavily contaminated with heavy metals around a zinc and lead ore tailing landfill. Open Chemistry, 2018, 16, 1143-1152.	1.9	28
47	Restoration of Vegetation in Relation to Soil Properties of Spoil Heap Heavily Contaminated with Heavy Metals. Water, Air, and Soil Pollution, 2018, 229, 392.	2.4	34
48	Comprehensive Study of Reclaimed Soil, Plant, and Water Chemistry Relationships in Highly S-Contaminated Post Sulfur Mine Site JeziÃ³rko (Southern Poland). Sustainability, 2018, 10, 2442.	3.2	11
49	Development of soil chemical and microbial properties in reclaimed and unreclaimed grasslands in heaps after opencast lignite mining. Ecological Engineering, 2018, 123, 103-111.	3.6	40
50	Soil Quality Indices for Evaluation of Acid Mine Spoil. , 2018, , 33-48.		3
51	Reclamation of Mine Lands in Poland. , 2018, , 493-513.		10
52	The impact of alders (Alnus spp.) on the physico-chemical properties of technosols on a lignite combustion waste disposal site. Ecological Engineering, 2018, 120, 180-186.	3.6	17
53	Reclaimed mine soil substrates and tree stands vs. successional forest floor vegetation: A case study of developing ecosystems on afforested mine sites. Ecological Engineering, 2018, 120, 504-512.	3.6	13
54	Reclamation of coal mine spoil and its effect on Technosol quality and carbon sequestration: a case study from India. Environmental Science and Pollution Research, 2018, 25, 27992-28003.	5.3	44

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55	Reclamation of a lignite combustion waste disposal site with alders (Alnus sp.): assessment of tree growth and nutrient status within 10Âyears of the experiment. Environmental Science and Pollution Research, 2018, 25, 17091-17099.	5.3	22
56	EFFECTS OF ALDERS (ALNUS SP.) USED FOR RECLAMATION OF LIGNITE COMBUSTION WASTES. Journal of the American Society of Mining and Reclamation, 2018, 7, 30-55.	0.3	3
57	A comparison of the selected properties of macrostructure and density of wood of scots pines (Pinus sylvestris L.) growing on various mine soil substrates. Folia Forestalia Polonica, Series A, 2018, 60, 11-21.	0.3	1
58	The effects of tree species and substrate on carbon sequestration and chemical and biological properties in reforested post-mining soils. Geoderma, 2017, 292, 9-16.	5.1	80
59	The effectiveness of Yellow lupine (Lupinus luteus L.) green manure cropping in sand mine cast reclamation. Ecological Engineering, 2017, 102, 72-79.	3.6	37
60	Spatial distribution and concentration of sulfur in relation to vegetation cover and soil properties on a reclaimed sulfur mine site (Southern Poland). Environmental Monitoring and Assessment, 2017, 189, 87.	2.7	30
61	Relationships between respiration, chemical and microbial properties of afforested mine soils with different soil texture and tree species: Does the time of incubation matter. European Journal of Soil Biology, 2017, 80, 102-109.	3.2	15
62	Vegetation development and nutrients supply of trees in habitats with high sulfur concentration in reclaimed former sulfur mines JeziÃ³rko (Southern Poland). Environmental Science and Pollution Research, 2017, 24, 20556-20566.	5.3	18
63	Application of near infrared spectroscopy for authentication of Picea abies seed provenance. New Forests, 2017, 48, 629-642.	1.7	19
64	Assessment of tree vitality, biomass and morphology of Scots pine (Pinus sylvestris L.) root systems growing on reclaimed landfill waste after zinc and lead flotation. Forest Research Papers, 2017, 78, 323-331.	0.2	1
65	Tree species and soil substrate effects on soil biota during early soil forming stages at afforested mine sites. Applied Soil Ecology, 2016, 102, 70-79.	4.3	48
66	Simulation of Birch and Pine Litter Influence on Early Stage of Reclaimed Soil Formation Process under Controlled Conditions. Journal of Environmental Quality, 2015, 44, 1091-1098.	2.0	20
67	Preliminary assessment of growth and survival of green alder (Alnus viridis), a potential biological stabilizer on fly ash disposal sites. Journal of Forestry Research, 2015, 26, 131-136.	3.6	27
68	Scots pine (Pinus sylvestris L.) site index in relation to physico-chemical and biological properties in reclaimed mine soils. New Forests, 2015, 46, 247-266.	1.7	17
69	The analysis of spatial and temporal changes of land cover and land use in the reclaimed areas with the application of airborne orthophotomaps and LANDSAT images. Geodesy and Cartography, 2015, 64, 75-86.	0.4	8
70	Microtopographic effects on growth of young bald cypress (Taxodium distichum L.) in a created freshwater forested wetland in southeastern Virginia. Ecological Engineering, 2015, 83, 135-143.	3.6	7
71	Physiological profiles of microbial communities in mine soils afforested with different tree species. Ecological Engineering, 2015, 81, 462-470.	3.6	21
72	Assessment of english oak (Quercus robur L.) growth in varied soil-substrate conditions of reclaimed Piaseczno sulfur mine dump. Folia Forestalia Polonica, Series A, 2015, 57, 28-32.	0.3	6

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73	A preliminary assessment of soil sulphur contamination and vegetations in the vicinity of former boreholes on the afforested post-mine site JeziÃ³rko. Geology Geophysics & Environment, 2015, 41, 371.	1.0	14
74	Soil quality index as a tool for Scots pine (Pinus sylvestris) monoculture conversion planning on afforested, reclaimed mine land. Journal of Forestry Research, 2014, 25, 63-74.	3.6	69
75	Linking heavy metal bioavailability (Cd, Cu, Zn and Pb) in Scots pine needles to soil properties in reclaimed mine areas. Science of the Total Environment, 2014, 470-471, 501-510.	8.0	108
76	Near infrared spectroscopyâ€"A tool for chemical properties and organic matter assessment of afforested mine soils. Ecological Engineering, 2014, 62, 115-122.	3.6	20
77	Estimation of carbon sequestration by pine (Pinus sylvestris L.) ecosystems developed on reforested post-mining sites in Poland on differing mine soil substrates. Ecological Engineering, 2014, 73, 209-218.	3.6	63
78	Scots pine needles macronutrient (N, P, K, CA, MG, and S) supply at different reclaimed mine soil substratesâ€"as an indicator of the stability of developed forest ecosystems. Environmental Monitoring and Assessment, 2013, 185, 7445-7457.	2.7	28
79	Survival and growth of alders (Alnus glutinosa (L.) Gaertn. and Alnus incana (L.) Moench) on fly ash technosols at different substrate improvement. Ecological Engineering, 2012, 49, 35-40.	3.6	63
80	An estimation of Scots pine (Pinus sylvestris L.) ecosystem productivity on reclaimed post-mining sites in Poland (central Europe) using of allometric equations. Ecological Engineering, 2011, 37, 381-386.	3.6	40
81	Scots pine (Pinus sylvestris L.) ecosystem macronutrients budget on reclaimed mine sitesâ€"stand trees supply and stability. Natural Science, 2010, 02, 590-599.	0.4	10
82	Potential for carbon sequestration in reclaimed mine soil on reforested surface mining areas in Poland. Natural Science, 2010, 02, 1015-1021.	0.4	12
83	Development of microbial properties in a chronosequence of sandy mine soils. Applied Soil Ecology, 2009, 41, 259-268.	4.3	76
84	Soil organic matter, C and N accumulation during natural succession and reclamation in an opencast sand quarry (southern Poland). Archives of Agronomy and Soil Science, 2007, 53, 473-483.	2.6	47
85	An assessment of energy efficiency in reclamation to forest. Ecological Engineering, 2007, 30, 341-348.	3.6	39
86	Reclamation or successionâ€"A case study of transformation of soils and vegetation in reclaimed areas or in areas left for succession as exemplified by the sand mine excavation (southern Poland). Diqiu Huaxue, 2006, 25, 22-22.	0.5	1
87	Contamination of Forest Soils in the Vicinity of the Sedimentation Pond after Zinc and Lead Ore Flotation (in the Region of Olkusz, Southern Poland). Water, Air, and Soil Pollution, 2004, 159, 151-164.	2.4	38
88	Title is missing!. Water, Air, and Soil Pollution, 2002, 141, 125-141.	2.4	49
89	Use of Alders for the Phytostabilization of a Combustion Waste Disposal Site. Eurasian Soil Science, 0, , 1.	1.6	0