

Marcin Pietrzykowski

List of Publications by Year in descending order

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89
papers

1,701
citations

293460

24
h-index

388640

36
g-index

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all docs

90
docs citations

90
times ranked

1569
citing authors

#	ARTICLE	IF	CITATIONS
1	Chemical and microbial properties of post-mining and post-fire soils afforested with different tree species. <i>Applied Soil Ecology</i> , 2022, 171, 104321.	2.1	9
2	Soil Carbon Sequestration in Novel Ecosystems at Post-Mine Sites—A New Insight into the Determination of Key Factors in the Restoration of Terrestrial Ecosystems. <i>Forests</i> , 2022, 13, 63.	0.9	7
3	Research on the influence of vegetation restoration in loess open-pit coal mines of China: Influencing factors and mechanism. <i>Ecological Engineering</i> , 2022, 177, 106549.	1.6	10
4	Soil Organic Carbon Pools and Associated Soil Chemical Properties under Two Pine Species (<i>Pinus</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.9	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. <i>Geoderma</i> , 2022, 415, 115782.	2.3	8
6	Changes in the Concentrations of Trace Elements and Supply of Nutrients to Silver Fir (<i>Abies alba</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 Park (Southern Poland). <i>Forests</i> , 2022, 13, 718.	0.9	2
7	The impact of alder litter on chemistry of Technosols developed from lignite combustion waste and natural sandy substrate: a laboratory experiment. <i>International Journal of Phytoremediation</i> , 2021, 23, 415-425.	1.7	4
8	Carbon sink potential and allocation in above- and below-ground biomass in willow coppice. <i>Journal of Forestry Research</i> , 2021, 32, 349-354.	1.7	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 "Solvay" Plant in Krakow on the Chemistry of the Wilga River. <i>Sustainability</i> , 2021, 13, 993.	1.6	1
11	Sequestration of Mercury in Soils under Scots Pine and Silver Fir Stands Located in the Proximity to a Roadway. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 4569.	1.2	2
12	Spatial distribution characteristics of reconstructed soil bulk density of opencast coal-mine in the loess area of China. <i>Catena</i> , 2021, 199, 105116.	2.2	19
13	Multiple Factors Influence the Accumulation of Heavy Metals (Cu, Pb, Ni, Zn) in Forest Soils in the Vicinity of Roadways. <i>Water, Air, and Soil Pollution</i> , 2021, 232, 1.	1.1	13
14	Sulfur Contamination and Environmental Effects: A Case Study of Current SO ₂ Industrial Emission by Biomonitoring and Regional Post-mining hot-spots. <i>Open Biotechnology Journal</i> , 2021, 15, 82-96.	0.6	2
15	Determinants of farmers' adaptation decisions under changing climate: the case of Fars province in Iran. <i>Climatic Change</i> , 2021, 166, 1.	1.7	6
16	PlanetScope Imageries and LiDAR Point Clouds Processing for Automation Land Cover Mapping and Vegetation Assessment of a Reclaimed Sulfur Mine. <i>Remote Sensing</i> , 2021, 13, 2717.	1.8	7
17	Effects of Natural Rehabilitation of Degraded Land by Enclosure on Selected Soil Physicochemical Properties in Eastern Ethiopia. <i>Agronomy</i> , 2021, 11, 1628.	1.3	2
18	Survival and nutrient supply of seedlings of different tree species at the early stages of afforestation of a hard coal mine dump. <i>Ecological Engineering</i> , 2021, 167, 106270.	1.6	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. <i>Land Degradation and Development</i> , 2021, 32, 5227-5240.	1.8	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. <i>Catena</i> , 2021, 204, 105449.	2.2	10
21	Biomonitoring of Mercury Contamination in Poland Based on Its Concentration in Scots Pine (<i>Pinus</i>) Tj ETQq1 1 0.784314 rgBT /Over 10366.	1.2	1
22	Activity of phosphatases and microbial phosphorus under various tree species growing on reclaimed technosols. <i>Geoderma</i> , 2021, 401, 115320.	2.3	10
23	Impact of Climate Change on Functional Root-Derived Signals. <i>Soil Biology</i> , 2021, , 3-11.	0.6	0
24	The Impact of Climate Change on Forest Tree Species Dieback and Changes in Their Distribution. <i>Soil Biology</i> , 2021, , 447-460.	0.6	3
25	Colonisation by enchytraeids as a suitable indicator of successful biological reclamation of post-mining technosols using alders. <i>Applied Soil Ecology</i> , 2020, 145, 103300.	2.1	7
26	The current state of environmental pollution with sulfur dioxide (SO ₂) in Poland based on sulfur concentration in Scots pine needles. <i>Environmental Pollution</i> , 2020, 258, 113559.	3.7	30
27	Concentration of trace elements in forest soil affected by former timber depot. <i>Environmental Monitoring and Assessment</i> , 2020, 192, 640.	1.3	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. <i>Environmental Monitoring and Assessment</i> , 2020, 192, 740.	1.3	12
29	Verifying the Utility of Black Locust (<i>Robinia pseudoacacia</i> L.) in the Reclamation of a Lignite Combustion Waste Disposal Site in Central European Conditions. <i>Forests</i> , 2020, 11, 877.	0.9	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. <i>Forests</i> , 2020, 11, 1240.	0.9	11
31	Assessment of Forest Ecosystem Development in Coal Mine Degraded Land by Using Integrated Mine Soil Quality Index (IMSQI): The Evidence from India. <i>Forests</i> , 2020, 11, 1310.	0.9	22
32	Reclaimed Area Land Cover Mapping Using Sentinel-2 Imagery and LiDAR Point Clouds. <i>Remote Sensing</i> , 2020, 12, 261.	1.8	15
33	Carbon and Macronutrient Budgets in an Alder Plantation Grown on a Reclaimed Combustion Waste Landfill. <i>Forests</i> , 2020, 11, 430.	0.9	4
34	Tree species affects the concentration of total mercury (Hg) in forest soils: Evidence from a forest soil inventory in Poland. <i>Science of the Total Environment</i> , 2019, 647, 141-148.	3.9	33
35	Mercury Concentration in Technosols and Alder Tissue from a Plantation on a Combustion Waste Disposal Site. <i>Water, Air, and Soil Pollution</i> , 2019, 230, 1.	1.1	6
36	Tree species selection and reaction to mine soil reconstructed at reforested post-mine sites: Central and eastern European experiences. <i>Ecological Engineering: X</i> , 2019, 142, 100012.	3.5	46

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37	Effect of green alder (<i>Alnus viridis</i>) and black alder (<i>Alnus glutinosa</i>) on chemical and microbial properties of sandy mine soils. <i>Geoderma</i> , 2019, 356, 113924.	2.3	5
38	Fusing Sentinel-2 Imagery and ALS Point Clouds for Defining LULC Changes on Reclaimed Areas by Afforestation. <i>Sustainability</i> , 2019, 11, 1251.	1.6	13
39	Bioaccumulation of Heavy Metals (Pb, Cd, Cr, Cu) in Fine Roots Under Three Species of Alders (<i>Alnus</i>) Tj ETQq1 1 0.784314 rgBT /Ove Water, Air, and Soil Pollution, 2019, 230, 1.	1.1	6
40	Ecophysiological aspects of in vitro biotechnological studies using somatic embryogenesis of callus tissue toward protecting forest ecosystems. <i>Journal of Forestry Research</i> , 2019, 30, 1159-1166.	1.7	5
41	Estimation of Fine Root Biomass of Alders Growing on Technosols Using Two Different Methods. <i>Communications in Soil Science and Plant Analysis</i> , 2019, 50, 474-481.	0.6	3
42	Sulphur contamination impact on seasonal and surface water chemistry on a reforested area of a former sulphur mine. <i>Land Degradation and Development</i> , 2019, 30, 212-225.	1.8	9
43	Fine root biomass and the associated C and nutrient pool under the alder (<i>Alnus</i> spp.) plantings on reclaimed technosols. <i>Geoderma</i> , 2019, 337, 1021-1027.	2.3	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. <i>Water, Air, and Soil Pollution</i> , 2018, 229, 71.	1.1	10
45	Effect of black alder (<i>Alnus glutinosa</i>) admixture to Scots pine (<i>Pinus sylvestris</i>) plantations on chemical and microbial properties of sandy mine soils. <i>Applied Soil Ecology</i> , 2018, 124, 62-68.	2.1	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. <i>Open Chemistry</i> , 2018, 16, 1143-1152.	1.0	28
47	Restoration of Vegetation in Relation to Soil Properties of Spoil Heap Heavily Contaminated with Heavy Metals. <i>Water, Air, and Soil Pollution</i> , 2018, 229, 392.	1.1	34
48	Comprehensive Study of Reclaimed Soil, Plant, and Water Chemistry Relationships in Highly S-Contaminated Post Sulfur Mine Site JeziÅ³rko (Southern Poland). <i>Sustainability</i> , 2018, 10, 2442.	1.6	11
49	Development of soil chemical and microbial properties in reclaimed and unreclaimed grasslands in heaps after opencast lignite mining. <i>Ecological Engineering</i> , 2018, 123, 103-111.	1.6	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 (<i>Alnus</i> spp.) on the physico-chemical properties of technosols on a lignite combustion waste disposal site. <i>Ecological Engineering</i> , 2018, 120, 180-186.	1.6	17
53	Reclaimed mine soil substrates and tree stands vs. successional forest floor vegetation: A case study of developing ecosystems on afforested mine sites. <i>Ecological Engineering</i> , 2018, 120, 504-512.	1.6	13
54	Reclamation of coal mine spoil and its effect on Technosol quality and carbon sequestration: a case study from India. <i>Environmental Science and Pollution Research</i> , 2018, 25, 27992-28003.	2.7	44

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55	Reclamation of a lignite combustion waste disposal site with alders (<i>Alnus</i> sp.): assessment of tree growth and nutrient status within 10 years of the experiment. <i>Environmental Science and Pollution Research</i> , 2018, 25, 17091-17099.	2.7	22
56	EFFECTS OF ALDERS (<i>ALNUS</i> SP.) USED FOR RECLAMATION OF LIGNITE COMBUSTION WASTES. <i>Journal of the American Society of Mining and Reclamation</i> , 2018, 7, 30-55.	0.3	3
57	A comparison of the selected properties of macrostructure and density of wood of scots pines (<i>Pinus sylvestris</i> L.) growing on various mine soil substrates. <i>Folia Forestalia Polonica, Series A</i> , 2018, 60, 11-21.	0.1	1
58	The effects of tree species and substrate on carbon sequestration and chemical and biological properties in reforested post-mining soils. <i>Geoderma</i> , 2017, 292, 9-16.	2.3	80
59	The effectiveness of Yellow lupine (<i>Lupinus luteus</i> L.) green manure cropping in sand mine cast reclamation. <i>Ecological Engineering</i> , 2017, 102, 72-79.	1.6	37
60	Spatial distribution and concentration of sulfur in relation to vegetation cover and soil properties on a reclaimed sulfur mine site (Southern Poland). <i>Environmental Monitoring and Assessment</i> , 2017, 189, 87.	1.3	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. <i>European Journal of Soil Biology</i> , 2017, 80, 102-109.	1.4	15
62	Vegetation development and nutrients supply of trees in habitats with high sulfur concentration in reclaimed former sulfur mines Jeziórko (Southern Poland). <i>Environmental Science and Pollution Research</i> , 2017, 24, 20556-20566.	2.7	18
63	Application of near infrared spectroscopy for authentication of <i>Picea abies</i> seed provenance. <i>New Forests</i> , 2017, 48, 629-642.	0.7	19
64	Assessment of tree vitality, biomass and morphology of Scots pine (<i>Pinus sylvestris</i> L.) root systems growing on reclaimed landfill waste after zinc and lead flotation. <i>Forest Research Papers</i> , 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. <i>Applied Soil Ecology</i> , 2016, 102, 70-79.	2.1	48
66	Simulation of Birch and Pine Litter Influence on Early Stage of Reclaimed Soil Formation Process under Controlled Conditions. <i>Journal of Environmental Quality</i> , 2015, 44, 1091-1098.	1.0	20
67	Preliminary assessment of growth and survival of green alder (<i>Alnus viridis</i>), a potential biological stabilizer on fly ash disposal sites. <i>Journal of Forestry Research</i> , 2015, 26, 131-136.	1.7	27
68	Scots pine (<i>Pinus sylvestris</i> L.) site index in relation to physico-chemical and biological properties in reclaimed mine soils. <i>New Forests</i> , 2015, 46, 247-266.	0.7	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. <i>Geodesy and Cartography</i> , 2015, 64, 75-86.	0.4	8
70	Microtopographic effects on growth of young bald cypress (<i>Taxodium distichum</i> L.) in a created freshwater forested wetland in southeastern Virginia. <i>Ecological Engineering</i> , 2015, 83, 135-143.	1.6	7
71	Physiological profiles of microbial communities in mine soils afforested with different tree species. <i>Ecological Engineering</i> , 2015, 81, 462-470.	1.6	21
72	Assessment of english oak (<i>Quercus robur</i> L.) growth in varied soil-substrate conditions of reclaimed Piaseczno sulfur mine dump. <i>Folia Forestalia Polonica, Series A</i> , 2015, 57, 28-32.	0.1	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 JeziÅ³rko. <i>Geology Geophysics & Environment</i> , 2015, 41, 371.	1.0	14
74	Soil quality index as a tool for Scots pine (<i>Pinus sylvestris</i>) monoculture conversion planning on afforested, reclaimed mine land. <i>Journal of Forestry Research</i> , 2014, 25, 63-74.	1.7	69
75	Linking heavy metal bioavailability (Cd, Cu, Zn and Pb) in Scots pine needles to soil properties in reclaimed mine areas. <i>Science of the Total Environment</i> , 2014, 470-471, 501-510.	3.9	108
76	Near infrared spectroscopyâ€™A tool for chemical properties and organic matter assessment of afforested mine soils. <i>Ecological Engineering</i> , 2014, 62, 115-122.	1.6	20
77	Estimation of carbon sequestration by pine (<i>Pinus sylvestris</i> L.) ecosystems developed on reforested post-mining sites in Poland on differing mine soil substrates. <i>Ecological Engineering</i> , 2014, 73, 209-218.	1.6	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. <i>Environmental Monitoring and Assessment</i> , 2013, 185, 7445-7457.	1.3	28
79	Survival and growth of alders (<i>Alnus glutinosa</i> (L.) Gaertn. and <i>Alnus incana</i> (L.) Moench) on fly ash technosols at different substrate improvement. <i>Ecological Engineering</i> , 2012, 49, 35-40.	1.6	63
80	An estimation of Scots pine (<i>Pinus sylvestris</i> L.) ecosystem productivity on reclaimed post-mining sites in Poland (central Europe) using of allometric equations. <i>Ecological Engineering</i> , 2011, 37, 381-386.	1.6	40
81	Scots pine (<i>Pinus sylvestris</i> L.) ecosystem macronutrients budget on reclaimed mine sitesâ€™stand trees supply and stability. <i>Natural Science</i> , 2010, 02, 590-599.	0.2	10
82	Potential for carbon sequestration in reclaimed mine soil on reforested surface mining areas in Poland. <i>Natural Science</i> , 2010, 02, 1015-1021.	0.2	12
83	Development of microbial properties in a chronosequence of sandy mine soils. <i>Applied Soil Ecology</i> , 2009, 41, 259-268.	2.1	76
84	Soil organic matter, C and N accumulation during natural succession and reclamation in an opencast sand quarry (southern Poland). <i>Archives of Agronomy and Soil Science</i> , 2007, 53, 473-483.	1.3	47
85	An assessment of energy efficiency in reclamation to forest. <i>Ecological Engineering</i> , 2007, 30, 341-348.	1.6	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). <i>Diqiu Huaxue</i> , 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). <i>Water, Air, and Soil Pollution</i> , 2004, 159, 151-164.	1.1	38
88	Title is missing!. <i>Water, Air, and Soil Pollution</i> , 2002, 141, 125-141.	1.1	49
89	Use of Alders for the Phytostabilization of a Combustion Waste Disposal Site. <i>Eurasian Soil Science</i> , 0, , 1.	0.5	0