Lenka PavlÅ¯

List of Publications by Year
in descending order

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44	1,105	394421	414414
papers	citations	19 h-index	32 g-index

44	44	44	962
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Possible method of aluminium speciation in forest soils. Journal of Inorganic Biochemistry, 2003, 97, 8-15.	3.5	83
2	Isotopic Tracing of Thallium Contamination in Soils Affected by Emissions from Coal-Fired Power Plants. Environmental Science & Technology, 2016, 50, 9864-9871.	10.0	74
3	Comparison of water-soluble and exchangeable forms of Al in acid forest soils. Journal of Inorganic Biochemistry, 2005, 99, 1788-1795.	3.5	73
4	Thallium isotopes in metallurgical wastes/contaminated soils: A novel tool to trace metal source and behavior. Journal of Hazardous Materials, 2018, 343, 78-85.	12.4	63
5	Factors controlling spatial distribution of soil acidification and Al forms in forest soils. Journal of Inorganic Biochemistry, 2005, 99, 1796-1806.	3.5	60
6	The status of micronutrients (Cu, Fe, Mn, Zn) in tea and tea infusions in selected samples imported to the Czech Republic. Czech Journal of Food Sciences, 2006, 24, 62-71.	1.2	58
7	Forest soil acidification assessment using principal component analysis and geostatistics. Geoderma, 2007, 140, 374-382.	5.1	52
8	Total content and speciation of aluminium in tea leaves and tea infusions. Food Chemistry, 2007, 104, 1662-1669.	8.2	50
9	Thallium contamination of desert soil in Namibia: Chemical, mineralogical and isotopic insights. Environmental Pollution, 2018, 239, 272-280.	7.5	41
10	Long term defoliation by cattle grazing with and without trampling differently affects soil penetration resistance and plant species composition in Agrostis capillaris grassland. Agriculture, Ecosystems and Environment, 2014, 197, 204-211.	5.3	39
11	Thallium contamination of soils/vegetation as affected by sphalerite weathering: A model rhizospheric experiment. Journal of Hazardous Materials, 2015, 283, 148-156.	12.4	39
12	Grass cover on forest clear-cut areas ameliorates some soil chemical properties. Journal of Inorganic Biochemistry, 2007, 101, 1224-1233.	3.5	29
13	Bioaccumulation of thallium in a neutral soil as affected by solid-phase association. Journal of Geochemical Exploration, 2015, 159, 208-212.	3.2	29
14	A Numerical Study of the Impact of Precipitation Redistribution in a Beech Forest Canopy on Water and Aluminum Transport in a Podzol. Vadose Zone Journal, 2010, 9, 238-251.	2.2	28
15	Thallium stable isotope fractionation in white mustard: Implications for metal transfers and incorporation in plants. Journal of Hazardous Materials, 2019, 369, 521-527.	12.4	27
16	The impact of various mulch types on soil properties controlling water regime of the Haplic Fluvisol. Soil and Tillage Research, 2021, 205, 104748.	5.6	26
17	Thallium stable isotope ratios in naturally Tl-rich soils. Geoderma, 2020, 364, 114183.	5.1	23
18	Some Approaches to the Research of Forest Soils Affected by Acidification in the Czech Republic. Soil Science and Plant Nutrition, 2005, 51, 745-749.	1.9	22

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19	Assessment of soil aluminium pools along three mountainous elevation gradients. Journal of Inorganic Biochemistry, 2009, 103, 1449-1458.	3.5	21
20	Thallium isotopic fractionation in soil: the key controls. Environmental Pollution, 2020, 265, 114822.	7.5	21
21	National-scale spectroscopic assessment of soil organic carbon in forests of the Czech Republic. Geoderma, 2021, 385, 114832.	5.1	21
22	Soil Properties and Selected Aluminium Forms in Acid Forest Soils as Influenced by the Type of Stand Factors. Soil Science and Plant Nutrition, 2005, 51, 741-744.	1.9	20
23	Distribution of aluminium among its mobilizable forms in soils of the Jizera Mountains region. Plant, Soil and Environment, 2004, 50, 346-351.	2.2	20
24	Effect of natural and anthropogenic acidification on aluminium distribution in forest soils of two regions in the Czech Republic. Journal of Forestry Research, 2021, 32, 363-370.	3.6	18
25	Impact of spruce forest and grass vegetation cover on soil micromorphology and hydraulic properties of organic matter horizon. Biologia (Poland), 2007, 62, 565-568.	1.5	16
26	Sward-height patches under intensive and extensive grazing density in an Agrostis capillaris grassland. Folia Geobotanica, 2015, 50, 219-228.	0.9	16
27	Comparison of Al speciation and other soil characteristics between meadow, young forest and old forest stands. Journal of Inorganic Biochemistry, 2009, 103, 1459-1464.	3.5	14
28	Factors of spatial distribution of forest floor properties in the JizerskÃ© Mountains. Plant, Soil and Environment, 2005, 51, 447-455.	2.2	13
29	Study of podzolization process under different vegetation cover in the JizerskÃ© hory Mts. region.. Soil and Water Research, 2013, 8, 1-12.	1.7	13
30	Evaluation of thallium isotopic fractionation during the metallurgical processing of sulfides: An update. Journal of Hazardous Materials, 2022, 424, 127325.	12.4	13
31	Estimation of the stability of topsoil aggregates in areas affected by water erosion using selected soil and terrain properties. Soil and Tillage Research, 2022, 219, 105348.	5.6	12
32	Mapping the topsoil pH and humus quality of forest soils in the North Bohemian JizerskÃ© hory Mts. region with ordinary, universal, and regression kriging: cross-validation comparison. Soil and Water Research, 2013, 8, 97-104.	1.7	11
33	Comparison of soil organic matter composition under different land uses by DRIFT spectroscopy. Plant, Soil and Environment, 2021, 67, 255-263.	2.2	10
34	Contents of Potentially Toxic Elements in Forest Soils of the Jizera Mountains Region. Environmental Modeling and Assessment, 2015, 20, 183-195.	2.2	9
35	Distribution of aluminium fractions in acid forest soils: influence of vegetation changes. IForest, 2018, 11, 721-727.	1.4	8
36	Application of regression-kriging and sequential Gaussian simulation for the delineation of forest areas potentially suitable for liming in the Jizera Mountains region, Czech Republic. Geoderma Regional, 2020, 21, e00286.	2.1	6

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37	Degradation of forest soils in the vicinity of an industrial zone. Soil and Water Research, 2015, 10, 65-73.	1.7	5
38	Modelling the impact of acid deposition on forest soils in North Bohemian Mountains with two dynamic models: the Very Simple Dynamic Model (VSD) and the Model of Acidification of Groundwater in Catchments (MAGIC). Soil and Water Research, 2015, 10, 10-18.	1.7	5
39	Does soil organic matter in mollic horizons of central/east European floodplain soils have common chemical features?. Catena, 2021, 200, 105192.	5.0	5
40	Effect of peat organic matter on sulfide weathering and thallium reactivity: Implications for organic environments. Chemosphere, 2022, 299, 134380.	8.2	5
41	Differences in humic acids structure of various soil types studied by DRIFT spectroscopy. Soil and Water Research, 2018, 13, 29-35.	1.7	4
42	Passive restoration of vegetation on gravel/sand bars in the city: a case study in Prague, Czech Republic. Urban Ecosystems, 2022, 25, 1265-1277.	2.4	2
43	Delineating Acidified Soils in the Jizera Mountains Region Using Fuzzy Classification. , 2008, , 303-309.		1
44	Divergrass â€“ a cross border project to promote sustainable management of grasslands. ACC Journal, 2018, 24, 61-80.	0.2	0