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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	Evaluation of thallium isotopic fractionation during the metallurgical processing of sulfides: An update. Journal of Hazardous Materials, 2022, 424, 127325.	12.4	13
2	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
3	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
4	Effect of peat organic matter on sulfide weathering and thallium reactivity: Implications for organic environments. Chemosphere, 2022, 299, 134380.	8.2	5
5	National-scale spectroscopic assessment of soil organic carbon in forests of the Czech Republic. Geoderma, 2021, 385, 114832.	5.1	21
6	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
7	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
8	Comparison of soil organic matter composition under different land uses by DRIFT spectroscopy. Plant, Soil and Environment, 2021, 67, 255-263.	2.2	10
9	Does soil organic matter in mollic horizons of central/east European floodplain soils have common chemical features?. Catena, 2021, 200, 105192.	5.0	5
10	Thallium isotopic fractionation in soil: the key controls. Environmental Pollution, 2020, 265, 114822.	7.5	21
11	Thallium stable isotope ratios in naturally Tl-rich soils. Geoderma, 2020, 364, 114183.	5.1	23
12	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
13	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
14	Thallium contamination of desert soil in Namibia: Chemical, mineralogical and isotopic insights. Environmental Pollution, 2018, 239, 272-280.	7.5	41
15	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
16	Differences in humic acids structure of various soil types studied by DRIFT spectroscopy. Soil and Water Research, 2018, 13, 29-35.	1.7	4
17	Distribution of aluminium fractions in acid forest soils: influence of vegetation changes. IForest, 2018, 11, 721-727.	1.4	8
18	Divergrass â€“ a cross border project to promote sustainable management of grasslands. ACC Journal, 2018, 24, 61-80.	0.2	0

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19	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
20	Sward-height patches under intensive and extensive grazing density in an Agrostis capillaris grassland. Folia Geobotanica, 2015, 50, 219-228.	0.9	16
21	Contents of Potentially Toxic Elements in Forest Soils of the Jizera Mountains Region. Environmental Modeling and Assessment, 2015, 20, 183-195.	2.2	9
22	Bioaccumulation of thallium in a neutral soil as affected by solid-phase association. Journal of Geochemical Exploration, 2015, 159, 208-212.	3.2	29
23	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
24	Degradation of forest soils in the vicinity of an industrial zone. Soil and Water Research, 2015, 10, 65-73.	1.7	5
25	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
26	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
27	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
28	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
29	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
30	Assessment of soil aluminium pools along three mountainous elevation gradients. Journal of Inorganic Biochemistry, 2009, 103, 1449-1458.	3.5	21
31	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
32	Delineating Acidified Soils in the Jizera Mountains Region Using Fuzzy Classification. , 2008, , 303-309.		1
33	Forest soil acidification assessment using principal component analysis and geostatistics. Geoderma, 2007, 140, 374-382.	5.1	52
34	Total content and speciation of aluminium in tea leaves and tea infusions. Food Chemistry, 2007, 104, 1662-1669.	8.2	50
35	Grass cover on forest clear-cut areas ameliorates some soil chemical properties. Journal of Inorganic Biochemistry, 2007, 101, 1224-1233.	3.5	29
36	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

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37	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
38	Comparison of water-soluble and exchangeable forms of Al in acid forest soils. Journal of Inorganic Biochemistry, 2005, 99, 1788-1795.	3.5	73
39	Factors controlling spatial distribution of soil acidification and Al forms in forest soils. Journal of Inorganic Biochemistry, 2005, 99, 1796-1806.	3.5	60
40	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
41	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
42	Factors of spatial distribution of forest floor properties in the JizerskÃ© Mountains. Plant, Soil and Environment, 2005, 51, 447-455.	2.2	13
43	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
44	Possible method of aluminium speciation in forest soils. Journal of Inorganic Biochemistry, 2003, 97, 8-15.	3.5	83