

# Karel Nemecek

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

31  
papers

411  
citations

11  
h-index

20  
g-index

32  
ext. papers

553  
ext. citations

4  
avg, IF

3.47  
L-index

#	Paper	IF	Citations
31	Using an ensemble model coupled with portable X-ray fluorescence and visible near-infrared spectroscopy to explore the viability of mapping and estimating arsenic in an agricultural soil. <i>Science of the Total Environment</i> , <b>2021</b> , 151805	10.2	1
30	Multi-geochemical background comparison and the identification of the best normalizer for the estimation of PTE contamination in agricultural soil. <i>Environmental Geochemistry and Health</i> , <b>2021</b> , 1	4.7	1
29	An in-depth human health risk assessment of potentially toxic elements in highly polluted riverine soils, Páram (Czech Republic). <i>Environmental Geochemistry and Health</i> , <b>2021</b> , 1	4.7	4
28	Litter chemical quality and bacterial community structure influenced decomposition in acidic forest soil. <i>European Journal of Soil Biology</i> , <b>2021</b> , 103, 103271	2.9	3
27	Health risk assessment and the application of CF-PMF: a pollution assessment-based receptor model in an urban soil. <i>Journal of Soils and Sediments</i> , <b>2021</b> , 21, 3117-3136	3.4	5
26	Self-organizing map artificial neural networks and sequential Gaussian simulation technique for mapping potentially toxic element hotspots in polluted mining soils. <i>Journal of Geochemical Exploration</i> , <b>2021</b> , 222, 106680	3.8	10
25	Comparison of multivariate methods for arsenic estimation and mapping in floodplain soil via portable X-ray fluorescence spectroscopy. <i>Geoderma</i> , <b>2021</b> , 384, 114792	6.7	13
24	Shallow depositional basins as potential archives of palaeoenvironmental changes in southwestern Greenland over the last 800 years. <i>Boreas</i> , <b>2021</b> , 50, 262-278	2.4	0
23	vis-NIR and XRF Data Fusion and Feature Selection to Estimate Potentially Toxic Elements in Soil. <i>Sensors</i> , <b>2021</b> , 21,	3.8	3
22	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. <i>Geoderma Regional</i> , <b>2020</b> , 21, e00286	2.7	2
21	The influence of land-use on tropical soil chemical characteristics with emphasis on aluminium. <i>Journal of Inorganic Biochemistry</i> , <b>2020</b> , 204, 110962	4.2	1
20	Comparison of Field and Laboratory Wet Soil Spectra in the Vis-NIR Range for Soil Organic Carbon Prediction in the Absence of Laboratory Dry Measurements. <i>Remote Sensing</i> , <b>2020</b> , 12, 3082	5	12
19	Industrial zones and their benefits for society. <i>Soil and Water Research</i> , <b>2020</b> , 15, 258-272	2.5	
18	Effect of clay on the fractions of potentially toxic elements in contaminated soil. <i>Soil and Water Research</i> , <b>2020</b> , 16, 1-10	2.5	0
17	Behaviour of aluminium in forest soils with different lithology and herb vegetation cover. <i>Journal of Inorganic Biochemistry</i> , <b>2018</b> , 181, 139-144	4.2	3
16	Degradation of forest soils in the vicinity of an industrial zone. <i>Soil and Water Research</i> , <b>2016</b> , 10, 65-73	2.5	4
15	Isotopic Tracing of Thallium Contamination in Soils Affected by Emissions from Coal-Fired Power Plants. <i>Environmental Science &amp; Technology</i> , <b>2016</b> , 50, 9864-71	10.3	42

14	Comparing different data preprocessing methods for monitoring soil heavy metals based on soil spectral features. <i>Soil and Water Research</i> , <b>2016</b> , 10, 218-227	2.5	81
13	The impact of the permanent grass cover or conventional tillage on hydraulic properties of Haplic Cambisol developed on paragneiss substrate. <i>Biologia (Poland)</i> , <b>2016</b> , 71, 1144-1150	1.5	5
12	Transformation of iron forms during pedogenesis after tree uprooting in a natural beech-dominated forest. <i>Catena</i> , <b>2015</b> , 132, 12-20	5.8	11
11	The variations of aluminium species in mountainous forest soils and its implications to soil acidification. <i>Environmental Science and Pollution Research</i> , <b>2015</b> , 22, 16676-87	5.1	6
10	Contents of Potentially Toxic Elements in Forest Soils of the Jizera Mountains Region. <i>Environmental Modeling and Assessment</i> , <b>2015</b> , 20, 183-195	2	5
9	Using dye tracer for visualizing roots impact on soil structure and soil porous system. <i>Biologia (Poland)</i> , <b>2015</b> , 70, 1439-1443	1.5	13
8	Litter Decomposition as a Source of Active Phosphates in Spruce and Beech Mountainous Forests Affected by Acidification. <i>Procedia Earth and Planetary Science</i> , <b>2014</b> , 10, 130-132		3
7	Lead isotope composition and risk elements distribution in urban soils of historically different cities Ostrava and Prague, the Czech Republic. <i>Journal of Geochemical Exploration</i> , <b>2014</b> , 147, 215-221	3.8	24
6	Profile distribution and temporal changes of sulphate and nitrate contents and related soil properties under beech and spruce forests. <i>Science of the Total Environment</i> , <b>2013</b> , 442, 165-71	10.2	18
5	Fractionation and distribution of risk elements in soil profiles at a Czech shooting range &nbsp;. <i>Plant, Soil and Environment</i> , <b>2013</b> , 59, 121-129	2.2	8
4	Effect of covering with natural topsoil as a reclamation measure on brown-coal mining dumpsites. <i>Journal of Geochemical Exploration</i> , <b>2012</b> , 113, 118-123	3.8	29
3	Using Dye Tracer for Visualization of Preferential Flow at Macro- and Microscales. <i>Vadose Zone Journal</i> , <b>2012</b> , 11,	2.7	38
2	Comparison of water-soluble and exchangeable forms of Al in acid forest soils. <i>Journal of Inorganic Biochemistry</i> , <b>2005</b> , 99, 1788-95	4.2	65
1	Profile distribution and soil health implication of some oxides in agrarian soils overlying geologic formations in Southeast Nigeria. <i>Modeling Earth Systems and Environment</i> ,1	3.2	1