Andreas Papritz

List of Publications by Year
in descending order

38 papers	1,796 citations	361413 20 h-index	315739 38 g-index
40 all docs	40 docs citations	40 times ranked	2352 citing authors

#	Article	IF	Citations
1	Bromide in the Natural Environment: Occurrence and Toxicity. Journal of Environmental Quality, 1993, 22, 747-758.	2.0	215
2	Evaluation of digital soil mapping approaches with large sets of environmental covariates. Soil, 2018, 4, 1-22.	4.9	167
3	Soil function assessment: review of methods for quantifying the contributions of soils to ecosystem services. Land Use Policy, 2017, 69, 224-237.	5.6	146
4	Quantifying dye tracers in soil profiles by image processing. European Journal of Soil Science, 2000, 51, 313-322.	3.9	142
5	Phytomanagement of metal-contaminated agricultural land using sunflower, maize and tobacco. Agriculture, Ecosystems and Environment, 2010, 136, 49-58.	5.3	129
6	Analysing the space–time distribution of soil water storage of a forest ecosystem using spatio-temporal kriging. Geoderma, 2005, 128, 258-273.	5.1	120
7	Pedodiversity and pedogenesis in Zayandeh-rud Valley, Central Iran. Geomorphology, 2006, 81, 376-393.	2.6	79
8	Nitrogen budgets of two small experimental forested catchments at Alptal, Switzerland. Forest Ecology and Management, 1998, 101, 177-185.	3.2	77
9	An Empirical Comparison of Kriging Methods for Nonlinear Spatial Point Prediction. Mathematical Geosciences, 2002, 34, 365-386.	0.9	69
10	Fitting a linear model of coregionalization for soil properties using simulated annealing. Geoderma, 2003, 115, 245-260.	5.1	66
11	Spatial statistical modeling of shallow landslides–Validating predictions for different landslide inventories and rainfall events. Geomorphology, 2011, 133, 11-22.	2.6	64
12	On the pseudo cross-variogram. Mathematical Geosciences, 1993, 25, 1015-1026.	0.9	53
13	Grain Zinc, Iron, and Copper Concentrations of Wheat Grown in Central Iran and Their Relationships with Soil and Climate Variables. Journal of Agricultural and Food Chemistry, 2009, 57, 10876-10882.	5.2	52
14	Asymmetric response to disturbance and recovery: Changes of soil permeability under forest–pasture–forest transitions. Geoderma, 2010, 159, 209-215.	5.1	51
15	A tracer experiment to study flow paths of water in a forest soil. Journal of Hydrology, 1999, 225, 155-167.	5.4	36
16	Discrimination of Flow Regions on the Basis of Stained Infiltration Patterns in Soil Profiles. Vadose Zone Journal, 2003, 2, 338-348.	2.2	30
17	Global Prediction of Soil Saturated Hydraulic Conductivity Using Random Forest in a Covariate–Based GeoTransfer Function (CoGTF) Framework. Journal of Advances in Modeling Earth Systems, 2021, 13, e2020MS002242.	3.8	28
18	A Fractal Approach to Model Soil Structure and to Calculate Thermal Conductivity of Soils. Transport in Porous Media, 2003, 52, 313-332.	2.6	24

#	Article	IF	Citations
19	Joint Distributions of the Unsaturated Soil Hydraulic Parameters and their Effect on Other Variates. Vadose Zone Journal, 2004, 3, 947-955.	2.2	24
20	Antimony mobility during prolonged waterlogging and reoxidation of shooting range soil: A field experiment. Science of the Total Environment, 2018, 624, 838-844.	8.0	21
21	Uncertainty indication in soil function maps â€" transparent and easy-to-use information to support sustainable use of soil resources. Soil, 2018, 4, 123-139.	4.9	17
22	Mapping of soil properties at high resolution in Switzerland using boosted geoadditive models. Soil, 2017, 3, 191-210.	4.9	15
23	Uncertainty of variance component estimates in nested sampling: a case study on the fieldâ€scale spatial variability of a restored soil. European Journal of Soil Science, 2011, 62, 479-495.	3.9	14
24	Organic Wheat Farming Improves Grain Zinc Concentration. PLoS ONE, 2016, 11, e0160729.	2.5	14
25	Assessment of soil multi-functionality to support the sustainable use of soil resources on the Swiss Plateau. Geoderma Regional, 2018, 14, e00181.	2.1	14
26	Standardized vs. customary ordinary cokriging: Some comments on the article â€œThe geostatistical analysis of experiments at the landscape-scaleâ€•by T.F.A. Bishop and R.M. Lark. Geoderma, 2008, 146, 391-396.	5.1	13
27	Predicting Threshold Exceedance by Local Block Means in Soil Pollution Surveys. Mathematical Geosciences, 2010, 42, 631-656.	2.4	11
28	Predicting topsoil heavy metal content of parcels of land: An empirical validation of customary and constrained lognormal block kriging and conditional simulations. Geoderma, 2013, 193-194, 200-212.	5.1	11
29	Boron accumulation and tolerance of hybrid poplars grown on a B-laden mixed paper mill waste landfill. Science of the Total Environment, 2013, 447, 515-524.	8.0	11
30	Global Mapping of Soil Water Characteristics Parametersâ€" Fusing Curated Data with Machine Learning and Environmental Covariates. Remote Sensing, 2022, 14, 1947.	4.0	9
31	Parameter estimation for simulating binary homovalent cation transport in aggregated soils at variable ionic strength. Journal of Contaminant Hydrology, 1991, 7, 1-19.	3.3	8
32	Die Schneedeckenverteilung in einem voralpinen Einzugsgebiet und ihre Bedeutung fÃ¼r den Schneeschmelzabfluss	The Snow-Cover Distribution in a Sub-Alpine Catchment and its Significance for the Snow-Melt Runoff. Schweizerische Zeitschrift Fur Forstwesen, 2000, 151, 192-197.	0.1	8
33	constrainedKriging: An R-package for customary, constrained and covariance-matching constrained point or block kriging. Computers and Geosciences, 2011, 37, 1562-1569.	4.2	7
34	Pedotransfer function to predict density of forest soils in Switzerland. Journal of Plant Nutrition and Soil Science, 2016, 179, 321-326.	1.9	7
35	Towards a snow-depth distribution model in a heterogeneous subalpine forest using a Landsat TM image and an aerial photograph. Annals of Glaciology, 2002, 34, 65-70.	1.4	6
36	Discrimination of Flow Regions on the Basis of Stained Infiltration Patterns in Soil Profiles. Vadose Zone Journal, 2003, 2, 338-348.	2.2	5

#	ARTICLE	IF	CITATIONS
37	Time–space linear regression analysis of the snow cover in a pre-Alpine semi-forested catchment. Annals of Glaciology, 2001, 32, 125-129.	1.4	4
38	Discrimination of Flow Regions on the Basis of Stained Infiltration Patterns in Soil Profiles. Vadose Zone Journal, 2003, 2, 338.	2.2	0