

# Bas Kempen

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3755808/publications.pdf>

Version: 2024-02-01

16  
papers

4,904  
citations

686830

13  
h-index

940134

16  
g-index

16  
all docs

16  
docs citations

16  
times ranked

8147  
citing authors

#	ARTICLE	IF	CITATIONS
1	SoilGrids250m: Global gridded soil information based on machine learning. PLoS ONE, 2017, 12, e0169748.	1.1	2,385
2	SoilGrids1km " Global Soil Information Based on Automated Mapping. PLoS ONE, 2014, 9, e105992.	1.1	827
3	Mapping Soil Properties of Africa at 250 m Resolution: Random Forests Significantly Improve Current Predictions. PLoS ONE, 2015, 10, e0125814.	1.1	588
4	SoilGrids 2.0: producing soil information for the globe with quantified spatial uncertainty. Soil, 2021, 7, 217-240.	2.2	511
5	Updating the 1:50,000 Dutch soil map using legacy soil data: A multinomial logistic regression approach. Geoderma, 2009, 151, 311-326.	2.3	179
6	Digital mapping of peatlands " A critical review. Earth-Science Reviews, 2019, 196, 102870.	4.0	102
7	Efficiency Comparison of Conventional and Digital Soil Mapping for Updating Soil Maps. Soil Science Society of America Journal, 2012, 76, 2097-2115.	1.2	78
8	Mapping the soils of an Argentine Pampas region using structural equation modelling. Geoderma, 2016, 281, 102-118.	2.3	52
9	Refining a reconnaissance soil map by calibrating regression models with data from the same map (Normandy, France). Geoderma Regional, 2014, 1, 21-30.	0.9	46
10	Mapping topsoil organic carbon concentrations and stocks for Tanzania. Geoderma, 2019, 337, 164-180.	2.3	42
11	Operationalizing digital soil mapping for nationwide updating of the 1:50,000 soil map of the Netherlands. Geoderma, 2015, 241-242, 313-329.	2.3	32
12	Soil type mapping using the generalised linear geostatistical model: A case study in a Dutch cultivated peatland. Geoderma, 2012, 189-190, 540-553.	2.3	27
13	Soil Organic Carbon Baselines for Land Degradation Neutrality: Map Accuracy and Cost Tradeoffs with Respect to Complexity in Otjozondjupa, Namibia. Sustainability, 2018, 10, 1610.	1.6	18
14	Comparison of FOSS4G Supported Equal-Area Projections Using Discrete Distortion Indicatrices. ISPRS International Journal of Geo-Information, 2019, 8, 351.	1.4	10
15	Computational Infrastructure of SoilGrids 2.0. IFIP Advances in Information and Communication Technology, 2020, , 24-31.	0.5	4
16	Transfer functions for phosphorus and potassium soil tests and implications for the QUEFTS model. Geoderma, 2022, 406, 115458.	2.3	3