

Bas Kempen

List of Publications by Year in descending order

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