

Volker Prasuhn

List of Publications by Year in descending order

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Version: 2024-02-01

41
papers

1,020
citations

430874

18
h-index

434195

31
g-index

43
all docs

43
docs citations

43
times ranked

1268
citing authors

#	ARTICLE	IF	CITATIONS
1	On-farm effects of tillage and crops on soil erosion measured over 10 years in Switzerland. <i>Soil and Tillage Research</i> , 2012, 120, 137-146.	5.6	88
2	A high-resolution soil erosion risk map of Switzerland as strategic policy support system. <i>Land Use Policy</i> , 2013, 32, 281-291.	5.6	82
3	Effects of artificial land drainage on hydrology, nutrient and pesticide fluxes from agricultural fields – A review. <i>Agriculture, Ecosystems and Environment</i> , 2018, 266, 84-99.	5.3	74
4	Phosphorus losses in runoff from manured grassland of different soil P status at two rainfall intensities. <i>Agriculture, Ecosystems and Environment</i> , 2012, 153, 65-74.	5.3	59
5	Environmental cross-compliance mitigates nitrogen and phosphorus pollution from Swiss agriculture. <i>Environmental Science and Policy</i> , 2008, 11, 655-668.	4.9	55
6	Soil erosion in the Swiss midlands: Results of a 10-year field survey. <i>Geomorphology</i> , 2011, 126, 32-41.	2.6	55
7	Phosphorus export dynamics from two Swiss grassland catchments. <i>Journal of Hydrology</i> , 2005, 304, 139-150.	5.4	47
8	Measurement of runoff and soil erosion on regularly cultivated fields in Switzerland – some critical considerations. <i>Catena</i> , 1995, 25, 127-139.	5.0	45
9	On the measurement of alpine soil erosion. <i>Catena</i> , 2012, 91, 63-71.	5.0	41
10	Surface water floods in Switzerland: what insurance claim records tell us about the damage in space and time. <i>Natural Hazards and Earth System Sciences</i> , 2017, 17, 1659-1682.	3.6	39
11	Comparing different multiple flow algorithms to calculate RUSLE factors of slope length (L) and slope steepness (S) in Switzerland. <i>Geomorphology</i> , 2019, 346, 106850.	2.6	35
12	A high-resolution map of direct and indirect connectivity of erosion risk areas to surface waters in Switzerland – A risk assessment tool for planning and policy-making. <i>Land Use Policy</i> , 2015, 48, 236-249.	5.6	33
13	Cesium-137 based erosion rate determination of a steep mountainous region. <i>Journal of Plant Nutrition and Soil Science</i> , 2009, 172, 615-622.	1.9	32
14	Applying erosion damage mapping to assess and quantify off-site effects of soil erosion in Switzerland. <i>Land Degradation and Development</i> , 2010, 21, 353-366.	3.9	31
15	Twenty years of soil erosion on-farm measurement: Annual variation, spatial distribution and the impact of conservation programmes for soil loss rates in Switzerland. <i>Earth Surface Processes and Landforms</i> , 2020, 45, 1539-1554.	2.5	29
16	Present and past bio-available phosphorus budget in the ultra-oligotrophic Lake Brienz. <i>Aquatic Sciences</i> , 2007, 69, 227-239.	1.5	28
17	Changes in diffuse phosphorus and nitrogen inputs into surface waters in the Rhine watershed in Switzerland. <i>Aquatic Sciences</i> , 2005, 67, 363-371.	1.5	25
18	A parsimonious soil-type based rainfall-runoff model simultaneously tested in four small agricultural catchments. <i>Journal of Hydrology</i> , 2006, 321, 21-38.	5.4	23

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19	Does no-tillage decrease nitrate leaching compared to ploughing under a long-term crop rotation in Switzerland?. <i>Soil and Tillage Research</i> , 2020, 199, 104590.	5.6	18
20	The origin of sediment and particulate phosphorus inputs into water bodies in the Swiss Midlands – A twenty-year field study of soil erosion. <i>Catena</i> , 2021, 203, 105290.	5.0	17
21	Crop water use under Swiss pedoclimatic conditions – Evaluation of lysimeter data covering a seven-year period. <i>Field Crops Research</i> , 2017, 211, 48-65.	5.1	16
22	Prediction of dissolved reactive phosphorus losses from small agricultural catchments: calibration and validation of a parsimonious model. <i>Hydrology and Earth System Sciences</i> , 2013, 17, 3679-3693.	4.9	15
23	Dual-Element Isotope Analysis of Desphenylchloridazon to Investigate Its Environmental Fate in a Systematic Field Study: A Long-Term Lysimeter Experiment. <i>Environmental Science & Technology</i> , 2020, 54, 3929-3939.	10.0	14
24	Viscous Flow Approach to Rapid Infiltration and Drainage in a Weighing Lysimeter. <i>Vadose Zone Journal</i> , 2018, 17, 1-12.	2.2	13
25	A comparison of three simple approaches to identify critical areas for runoff and dissolved reactive phosphorus losses. <i>Hydrology and Earth System Sciences</i> , 2014, 18, 2975-2991.	4.9	12
26	Modeling the extent of surface water floods in rural areas: Lessons learned from the application of various uncalibrated models. <i>Environmental Modelling and Software</i> , 2018, 109, 134-151.	4.5	12
27	Soil erosion in catchment areas of Northwestern Switzerland. Methodological conclusions from a 25-year research programme. <i>Zeitschrift für Geomorphologie</i> , 2002, 46, 35-60.	0.8	12
28	Adsorbing vs. Nonadsorbing Tracers for Assessing Pesticide Transport in Arable Soils. <i>Vadose Zone Journal</i> , 2018, 17, 1-18.	2.2	11
29	Summable C factors for contemporary soil use. <i>Soil and Tillage Research</i> , 2021, 213, 105155.	5.6	10
30	The time it takes to reduce soil legacy phosphorus to a tolerable level for surface waters: What we learn from a case study in the catchment of Lake Baldegg, Switzerland. <i>Geoderma</i> , 2021, 403, 115257.	5.1	9
31	Controlling Soil Erosion Using No-Till Farming Systems. , 2020, , 195-211.		9
32	The effect of the Dyker on infiltration, soil erosion, and waterlogging on conventionally farmed potato fields in the Swiss Plateau. <i>Catena</i> , 2019, 174, 130-141.	5.0	8
33	Experience with the assessment of the USLE cover-management factor for arable land compared with long-term measured soil loss in the Swiss Plateau. <i>Soil and Tillage Research</i> , 2022, 215, 105199.	5.6	8
34	Changes in diffuse phosphorus and nitrogen inputs into surface waters in the Rhine watershed in Switzerland. <i>Aquatic Sciences</i> , 2005, 67, 363-371.	1.5	4
35	Fate of Four Herbicides in an Irrigated Field Cropped with Corn: Lysimeter Experiments. <i>Procedia Earth and Planetary Science</i> , 2015, 13, 158-161.	0.6	3
36	The role of test plot measurements in a long-term soil. Erosion research project in Switzerland. , 1993, , 111-123.		3

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37	Types of Physical Soil Degradation and Implications for Their Prevention and Monitoring. Innovations in Landscape Research, 2022, , 43-73.	0.4	2
38	Vergleich deutscher und schweizer Regensimulatoren - Einfluß der Regeneigenschaften auf die Bodenoberflächenrauigkeit. Zeitschrift Fur Pflanzenernahrung Und Bodenkunde = Journal of Plant Nutrition and Plant Science, 1993, 156, 33-37.	0.4	1
39	Adsorbing vs. Nonadsorbing Tracers for Assessing Pesticide Transport in Arable Soils. Vadose Zone Journal, 2017, .	2.2	1
40	Erfassung von Bodenerosion in der Schweiz : vergleichende Anwendung verschiedener Methoden und Beurteilung ihrer Eignung für den Vollzug der Bodenschutzgesetzgebung. Geographica Helvetica, 2006, 61, 209-217.	0.8	1
41	Tools for USLE-CP-factor calculation and actual erosion risk on field block level for Switzerland. MethodsX, 2021, 8, 101569.	1.6	0