

# Niklas Allroggen

## List of Publications by Year in descending order

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24  
papers

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citations

1040056

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1058476

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26  
all docs

26  
docs citations

26  
times ranked

448  
citing authors

#	ARTICLE	IF	CITATIONS
1	3D ground-penetrating radar attribute classification: A case study from a paleokarst breccia pipe in the Billefjorden area on Spitsbergen, Svalbard. <i>Geophysics</i> , 2022, 87, WB19-WB30.	2.6	2
2	3D ground-penetrating radar attributes to generate classified facies models: A case study from a dune island. <i>Geophysics</i> , 2021, 86, B335-B347.	2.6	7
3	Ground-penetrating radar monitoring of fast subsurface processes. <i>Geophysics</i> , 2020, 85, A19-A23.	2.6	8
4	The redundant wavelet transform to process and interpret GPR data. , 2020, , .		3
5	Crosshole reflection imaging with ground-penetrating radar data: Applications in near-surface sedimentary settings. <i>Geophysics</i> , 2020, 85, H61-H69.	2.6	0
6	High-resolution imaging and monitoring of animal tunnels using 3D ground-penetrating radar. <i>Near Surface Geophysics</i> , 2019, 17, 291-298.	1.2	4
7	Estimating moisture changes in concrete using GPR velocity analysis: potential and limitations. , 2018, , .		0
8	A physical modeling study to analyze the horizontal resolution limits of GPR reflection imaging. , 2017, , .		1
9	Picturing and modeling catchments by representative hillslopes. <i>Hydrology and Earth System Sciences</i> , 2017, 21, 1225-1249.	4.9	42
10	Four-dimensional gridding of time-lapse GPR data. , 2017, , .		4
11	Form and function in hillslope hydrology: characterization of subsurface flow based on response observations. <i>Hydrology and Earth System Sciences</i> , 2017, 21, 3727-3748.	4.9	47
12	Form and function in hillslope hydrology: in situ imaging and characterization of flow-relevant structures. <i>Hydrology and Earth System Sciences</i> , 2017, 21, 3749-3775.	4.9	39
13	Origin of Bentonites and Detrital Zircons of the Paleocene Basilika Formation, Svalbard. <i>Frontiers in Earth Science</i> , 2016, 4, .	1.8	9
14	Attribute-based analysis of time-lapse ground-penetrating radar data. <i>Geophysics</i> , 2016, 81, H1-H8.	2.6	25
15	3D ground-penetrating radar imaging of ice complex deposits in northern East Siberia. <i>Geophysics</i> , 2016, 81, WA195-WA202.	2.6	12
16	Toward automated delineation of ground-penetrating radar facies in clastic sediments: An example from stratified glaciofluvial deposits. <i>Geophysics</i> , 2015, 80, A89-A94.	2.6	6
17	Topographic migration of 2D and 3D ground-penetrating radar data considering variable velocities. <i>Near Surface Geophysics</i> , 2015, 13, 253-259.	1.2	27
18	4D ground-penetrating radar during a plot scale dye tracer experiment. <i>Journal of Applied Geophysics</i> , 2015, 118, 139-144.	2.1	29

#	ARTICLE	IF	CITATIONS
19	Analysis of time-lapse GPR data to visualize preferential flow paths. , 2015, , .		0
20	Spectral enhancement of GPR data: Some practical considerations. , 2015, , .		1
21	HESS Opinions: From response units to functional units: a thermodynamic reinterpretation of the HRU concept to link spatial organization and functioning of intermediate scale catchments. Hydrology and Earth System Sciences, 2014, 18, 4635-4655.	4.9	78
22	Time-lapse 3D GPR imaging of brilliant blue infiltration experiments. , 2014, , .		1
23	Topographic migration of GPR data with variable velocities. , 2013, , .		1
24	Rapid multi-scale analysis of near-surface geophysical anomaly maps: Application to an archaeo-geophysical data set. Geophysics, 0, , 1-41.	2.6	5