

Holger Lange

List of Publications by Year in descending order

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Version: 2024-02-01

53
papers

2,312
citations

331670

21
h-index

223800

46
g-index

67
all docs

67
docs citations

67
times ranked

4459
citing authors

#	ARTICLE	IF	CITATIONS
1	Vertically Divergent Responses of SOC Decomposition to Soil Moisture in a Changing Climate. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2022, 127, .	3.0	2
2	Severe drought can delay autumn senescence of silver birch in the current year but advance it in the next year. <i>Agricultural and Forest Meteorology</i> , 2022, 316, 108879.	4.8	7
3	Comparing sap flow calculations from Heat Field Deformation (HFD) and Linear Heat Balance (LHB) methods. <i>Agricultural and Forest Meteorology</i> , 2022, 321, 108974.	4.8	0
4	Retrieval and validation of forest background reflectivity from daily Moderate Resolution Imaging Spectroradiometer (MODIS) bidirectional reflectance distribution function (BRDF) data across European forests. <i>Biogeosciences</i> , 2021, 18, 621-635.	3.3	12
5	Timeline of autumn phenology in temperate deciduous trees. <i>Tree Physiology</i> , 2020, 40, 1001-1013.	3.1	31
6	Inter-individual variability in spring phenology of temperate deciduous trees depends on species, tree size and previous year autumn phenology. <i>Agricultural and Forest Meteorology</i> , 2020, 290, 108031.	4.8	43
7	Gap-filling continuously-measured soil respiration data: A highlight of time-series-based methods. <i>Agricultural and Forest Meteorology</i> , 2020, 285-286, 107912.	4.8	10
8	Twenty-three unsolved problems in hydrology (UPH) – a community perspective. <i>Hydrological Sciences Journal</i> , 2019, 64, 1141-1158.	2.6	474
9	Effects of forest residue harvesting on short-term changes in soil solution chemistry. <i>Scandinavian Journal of Forest Research</i> , 2018, 33, 299-307.	1.4	5
10	Nonlinear dynamics of river runoff elucidated by horizontal visibility graphs. <i>Chaos</i> , 2018, 28, 075520.	2.5	11
11	Data synergy between leaf area index and clumping index Earth Observation products using photon recollision probability theory. <i>Remote Sensing of Environment</i> , 2018, 215, 1-6.	11.0	9
12	Drought, Heat, and the Carbon Cycle: a Review. <i>Current Climate Change Reports</i> , 2018, 4, 266-286.	8.6	132
13	Decomposition rates and nutrient dynamics of <i>Picea abies</i> needles, twigs and fine roots after stem-only harvesting in eastern and western Norway. <i>Plant and Soil</i> , 2017, 418, 357-375.	3.7	12
14	Analysing land cover and land use change in the Matobo National Park and surroundings in Zimbabwe. <i>Remote Sensing of Environment</i> , 2017, 194, 278-286.	11.0	38
15	Norway Spruce Fine Roots and Fungal Hyphae Grow Deeper in Forest Soils After Extended Drought. , 2017, , 123-142.		4
16	Have precipitation extremes and annual totals been increasing in the world's dry regions over the last 60 years?. <i>Hydrology and Earth System Sciences</i> , 2017, 21, 441-458.	4.9	22
17	Underestimation of boreal forest soil carbon stocks related to soil classification and drainage. <i>Canadian Journal of Forest Research</i> , 2016, 46, 1413-1425.	1.7	11
18	Short-term effects of whole-tree harvesting on understory plant species diversity and cover in two Norway spruce sites in southern Norway. <i>Scandinavian Journal of Forest Research</i> , 2016, 31, 766-776.	1.4	9

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19	Recurrence Analysis of Eddy Covariance Fluxes. Springer Proceedings in Physics, 2016, , 301-319.	0.2	1
20	Modeling Soil Carbon Dynamics in Northern Forests: Effects of Spatial and Temporal Aggregation of Climatic Input Data. PLoS ONE, 2016, 11, e0149902.	2.5	7
21	Diagnosing the Dynamics of Observed and Simulated Ecosystem Gross Primary Productivity with Time Causal Information Theory Quantifiers. PLoS ONE, 2016, 11, e0164960.	2.5	20
22	Transit times of water under steady stormflow conditions in the GÅrdsjÃ¶n G1 catchment. Hydrological Processes, 2015, 29, 4657-4665.	2.6	2
23	A modified soil coring method for measuring fine root production, mortality and decomposition in forests. Soil Biology and Biochemistry, 2015, 91, 192-199.	8.8	13
24	Estimating determinism rates to detect patterns in geospatial datasets. Remote Sensing of Environment, 2015, 156, 11-20.	11.0	10
25	Recurrence Quantification and Recurrence Network Analysis of Global Photosynthetic Activity. Understanding Complex Systems, 2015, , 349-374.	0.6	4
26	Potential of Near-Infrared Spectroscopy for Measurement of Heavy Metals in Soil as Affected by Calibration Set Size. Water, Air, and Soil Pollution, 2014, 225, 1.	2.4	33
27	Characterising flow patterns in soils by feature extraction and multiple consensus clustering. Ecological Informatics, 2013, 15, 44-52.	5.2	24
28	Fine root production and turnover of tree and understorey vegetation in Scots pine, silver birch and Norway spruce stands in SW Sweden. Forest Ecology and Management, 2013, 309, 58-65.	3.2	83
29	A modified ingrowth core method for measuring fine root production, mortality and decomposition in forests. Tree Physiology, 2013, 33, 18-25.	3.1	29
30	Spectral fingerprinting of soil organic matter composition. Organic Geochemistry, 2012, 46, 127-136.	1.8	34
31	Modelling the potential impact of global warming on Ips typographus voltinism and reproductive diapause. Climatic Change, 2011, 109, 695-718.	3.6	78
32	Response to Comment on "Global Convergence in the Temperature Sensitivity of Respiration at Ecosystem Level". Science, 2011, 331, 1265-1265.	12.6	9
33	RECURRENCE QUANTIFICATION ANALYSIS IN WATERSHED ECOSYSTEM RESEARCH. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2011, 21, 1113-1125.	1.7	5
34	Long-Term Structures in Southern German Runoff Data. , 2011, , 250-265.		0
35	Identifying multiple spatiotemporal patterns: A refined view on terrestrial photosynthetic activity. Pattern Recognition Letters, 2010, 31, 2309-2317.	4.2	43
36	Global Convergence in the Temperature Sensitivity of Respiration at Ecosystem Level. Science, 2010, 329, 838-840.	12.6	446

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37	Identification of characteristic plant co-occurrences in neotropical secondary montane forests. <i>Journal of Plant Ecology</i> , 2009, 2, 31-41.	2.3	3
38	Mapping LAI in a Norway spruce forest using airborne laser scanning. <i>Remote Sensing of Environment</i> , 2009, 113, 2317-2327.	11.0	159
39	Analyses of the impact of changes in atmospheric deposition and climate on forest growth in European monitoring plots: A stand growth approach. <i>Forest Ecology and Management</i> , 2009, 258, 1735-1750.	3.2	191
40	Classification of Runoff in Headwater Catchments: A Physical Problem?. <i>Geography Compass</i> , 2008, 2, 235-254.	2.7	26
41	Characterizing ecosystem-atmosphere interactions from short to interannual time scales. <i>Biogeosciences</i> , 2007, 4, 743-758.	3.3	42
42	Aluminum dynamics in forest soil waters in Norway. <i>Science of the Total Environment</i> , 2006, 367, 942-957.	8.0	19
43	Fine root biomass, necromass and chemistry during seven years of elevated aluminium concentrations in the soil solution of a middle-aged <i>Picea abies</i> stand. <i>Science of the Total Environment</i> , 2006, 369, 344-356.	8.0	22
44	Complexity and Simplicity in Ecosystems: The case of forest management. , 2006, , 279-292.		0
45	Changes in the microbial community in a forest soil amended with aluminium in situ. <i>Plant and Soil</i> , 2005, 275, 295-304.	3.7	30
46	Use of interactive forest growth simulation to characterise spatial stand structure. <i>Forest Ecology and Management</i> , 2004, 194, 29-47.	3.2	18
47	CONCEPTUAL MODEL OF RUNOFF FROM A FORESTED CATCHMENT. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2001, 11, 2567-2578.	1.7	1
48	Trends of air pollution in the Fichtelgebirge Mountains, Bavaria. <i>Environmental Science and Pollution Research</i> , 1999, 6, 193-199.	5.3	46
49	Title is missing!. <i>Nutrient Cycling in Agroecosystems</i> , 1998, 50, 109-118.	2.2	11
50	Water flow paths and residence times in a small headwater catchment at Gårdsjöen, Sweden, during steady state storm flow conditions. <i>Water Resources Research</i> , 1996, 32, 1689-1698.	4.2	30
51	Ecosystem dynamics viewed from an endoperspective. <i>Science of the Total Environment</i> , 1996, 183, 125-136.	8.0	13
52	Long-term sulfate dynamics at Lange Bramke (Harz) used for testing two acidification models. <i>Water, Air, and Soil Pollution</i> , 1995, 79, 339-351.	2.4	9
53	Shallow water flow in a deeply weathered granite aquifer and implications for hydrochemical models. <i>Water, Air, and Soil Pollution</i> , 1995, 85, 1825-1830.	2.4	3