Lutz Fehrmann

List of Publications by Year
in descending order

27	710	687363 13	580821 25
papers	citations	h-index	g-index

27	27	27	1297
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Trade-offs between multifunctionality and profit in tropical smallholder landscapes. Nature Communications, 2020, 11, 1186.	12.8	156
2	Above- and belowground biomass in a Brazilian Cerrado. Forest Ecology and Management, 2011, 262, 491-499.	3.2	86
3	General considerations about the use of allometric equations for biomass estimation on the example of Norway spruce in central Europe. Forest Ecology and Management, 2006, 236, 412-421.	3.2	83
4	The relationship between tree species richness, canopy space exploration and productivity in a temperate broad-leaf mixed forest. Forest Ecology and Management, 2013, 310, 366-374.	3.2	70
5	Comparison of linear and mixed-effect regression models and a k-nearest neighbour approach for estimation of single-tree biomass. Canadian Journal of Forest Research, 2008, 38, 1-9.	1.7	57
6	A national level forest resource assessment for Burkina Faso â€“ A field based forest inventory in a semiarid environment combining small sample size with large observation plots. Forest Ecology and Management, 2011, 262, 1532-1540.	3.2	29
7	Development of a Compatible Taper Function and Stand-Level Merchantable Volume Model for Chinese Fir Plantations. PLoS ONE, 2016, 11, e0147610.	2.5	29
8	ABOVEGROUND AND BELOWGROUND BIOMASS AND CARBON ESTIMATES FOR CLONAL EUCALYPTUS TREES IN SOUTHEAST BRAZIL. Revista Arvore, 2015, 39, 353-363.	0.5	22
9	Flooding and land use change in Jambi Province, Sumatra: integrating local knowledge and scientific inquiry. Ecology and Society, 2020, 25, .	2.3	19
10	Estimation of stand-level aboveground biomass dynamics using tree ring analysis in a Chinese fir plantation in Shitai County, Anhui Province, China. New Forests, 2016, 47, 319-332.	1.7	18
11	Development of stand density management diagrams for Chinese fir plantations. Forestry, 2016, 89, 36-45.	2.3	16
12	Comparison of estimators of variance for forest inventories with systematic sampling - results from artificial populations. Forest Ecosystems, 2020, 7, .	3.1	15
13	A new design for sampling with adaptive sample plots. Environmental and Ecological Statistics, 2011, 18, 223-237.	3.5	14
14	Triangulation based inclusion probabilities: a design-unbiased sampling approach. Environmental and Ecological Statistics, 2012, 19, 107-123.	3.5	14
15	On the site-level suitability of biomass models. Environmental Modelling and Software, 2015, 73, 14-26.	4.5	14
16	The potential of terrestrial laser scanning for the estimation of understory biomass in coppice-with-standard systems. Biomass and Bioenergy, 2012, 47, 20-25.	5.7	12
17	Using terrestrial laser scanning to support biomass estimation in densely stocked young tree plantations. International Journal of Remote Sensing, 2013, 34, 8699-8709.	2.9	11
18	A generalized algebraic difference approach allows an improved estimation of aboveground biomass dynamics of Cunninghamia lanceolata and Castanopsis sclerophylla forests. Annals of Forest Science, 2017, 74, 1.	2.0	9

#	Article	IF	Citations
19	Improving precision of field inventory estimation of aboveground biomass through an alternative view on plot biomass. Forest Ecosystems, 2020, 7, .	3.1	9
20	Sampling for landscape elementsâ€"a case study from Lower Saxony, Germany. Environmental Monitoring and Assessment, 2014, 186, 1421-1430.	2.7	5
21	A unified framework for land cover monitoring based on a discrete global sampling grid (GSG). Environmental Monitoring and Assessment, 2019, 191, 46.	2.7	5
22	Local Parameter Estimation of Topographic Normalization for Forest Type Classification. IEEE Geoscience and Remote Sensing Letters, 2015, 12, 1998-2002.	3.1	4
23	Two neighborhood-free plot designs for adaptive sampling of forests. Environmental and Ecological Statistics, 2016, 23, 279-299.	3.5	4
24	In search of a variance estimator for systematic sampling. Scandinavian Journal of Forest Research, 2019, 34, 300-312.	1.4	4
25	The Horizontal Distribution of Branch Biomass in European Beech: A Model Based on Measurements and TLS Based Proxies. Remote Sensing, 2021, 13, 1041.	4.0	4
26	Sampling for landscape elementsâ€"a case study from Lower Saxony, Germany. , 2014, 186, 1421.		1
27	Moving window-based topographic normalization of optical satellite imagery for forest mapping in mountainous terrain. , 2014, , .		0