Klaus Katzensteiner

List of Publications by Year
in descending order

43	1,854	394390 19	265191 42
papers	citations	h-index	g-index

43	43	43	2641
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Tamm Review: Influence of forest management activities on soil organic carbon stocks: A knowledge synthesis. Forest Ecology and Management, 2020, 466, 118127.	3.2	327
2	Sustainable utilisation of forest biomass for energyâ€"Possibilities and problems: Policy, legislation, certification, and recommendations and guidelines in the Nordic, Baltic, and other European countries. Biomass and Bioenergy, 2007, 31, 666-684.	5.7	198
3	Do waterâ€limiting conditions predispose <scp>N</scp>orway spruce to bark beetle attack?. New Phytologist, 2015, 205, 1128-1141.	7.3	156
4	How Forest Management affects Ecosystem Services, including Timber Production and Economic Return: Synergies and Trade-Offs. Ecology and Society, 2012, 17, .	2.3	154
5	A European morpho-functional classification of humus forms. Geoderma, 2011, 164, 138-145.	5.1	140
6	The impacts of climate change and disturbance on spatioâ€temporal trajectories of biodiversity in a temperate forest landscape. Journal of Applied Ecology, 2017, 54, 28-38.	4.0	139
7	Spatio-temporal analysis of the soil water content in a mixed Norway spruce (Picea abies (L.)) Tj ETQq1 1 0.784314 rgBT /Overlock 10	5.1	89
8	Nitrogen-induced nutritional imbalances â€" a contributing factor to Norway spruce decline in the Bohemian forest (Austria). Forest Ecology and Management, 1992, 51, 29-42.	3.2	48
9	Adapting an individual tree growth model for Norway spruce (Picea abies L. Karst.) in pure and mixed species stands. Forest Ecology and Management, 2002, 159, 101-110.	3.2	47
10	Increase in heterotrophic soil respiration by temperature drives decline in soil organic carbon stocks after forest windthrow in a mountainous ecosystem. Functional Ecology, 2017, 31, 1163-1172.	3.6	45
11	Humusica 1, article 5: Terrestrial humus systems and forms â€" Keys of classification of humus systems and forms. Applied Soil Ecology, 2018, 122, 75-86.	4.3	45
12	Transpiration deficits increase host susceptibility to bark beetle attack: Experimental observations and practical outcomes for Ips typographus hazard assessment. Agricultural and Forest Meteorology, 2018, 263, 69-89.	4.8	45
13	Title is missing!. Plant and Soil, 2003, 250, 59-73.	3.7	43
14	Humusica 1, article 4: Terrestrial humus systems and forms â€" Specific terms and diagnostic horizons. Applied Soil Ecology, 2018, 122, 56-74.	4.3	33
15	Soil fertility relates to fungalâ€mediated decomposition and organic matter turnover in a temperate mountain forest. New Phytologist, 2021, 231, 777-790.	7.3	31
16	Unfavourable microsites, competing vegetation and browsing restrict post-disturbance tree regeneration on extreme sites in the Northern Calcareous Alps. European Journal of Forest Research, 2015, 134, 293-308.	2.5	30
17	Tree regeneration retards decomposition in a temperate mountain soil after forest gap disturbance. Soil Biology and Biochemistry, 2017, 115, 490-498.	8.8	26
18	Soil CO₂ efflux from mountainous windthrow areas: dynamics over 12 years post-disturbance. Biogeosciences, 2014, 11, 6081-6093.	3.3	22

#	Article	IF	Citations
19	Effects of air pollutants on mineral nutrition of Norway spruce and revitalization of declining stands in Austria. Water, Air, and Soil Pollution, 1992, 61, 309-322.	2.4	21
20	Turbulent energy and carbon dioxide exchange along an earlyâ€successional windthrow chronosequence in the European Alps. Agricultural and Forest Meteorology, 2017, 232, 576-594.	4.8	17
21	Drivers of forest regeneration patterns in drought prone mixed-species forests in the Northern Calcareous Alps. Forest Ecology and Management, 2019, 453, 117589.	3.2	17
22	Modelling drainage fluxes in managed and natural forests in the Dinaric karst: a model comparison study. European Journal of Forest Research, 2010, 129, 729-740.	2.5	14
23	Potassium fertilization affects the distribution of fine roots but does not change ectomycorrhizal community structure. Annals of Forest Science, 2016, 73, 691-702.	2.0	14
24	Physiological, structural, and nutritional parameters of Norway spruce needles from declining forest stands in Austria. Canadian Journal of Forest Research, 1996, 26, 1769-1780.	1.7	13
25	High Fungal Diversity but Low Seasonal Dynamics and Ectomycorrhizal Abundance in a Mountain Beech Forest. Microbial Ecology, 2021, 82, 243-256.	2.8	12
26	Substrate influences ecophysiological performance of tree seedlings. Tree Physiology, 2016, 36, 39-53.	3.1	11
27	A framework for the predictive mapping of forest soil properties in mountain areas. Geoderma, 2020, 371, 114383.	5.1	11
28	Massenauftreten der Kleinen Fichtenblattwespe Pristiphora abietina (Christ) (Hym.,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 387 Td 118, 253-266.	1.8	10
29	Amelioration of Magnesium Deficiency in a Norway Spruce Stand (Picea abies) with Calcined Magnesite. Water, Air, and Soil Pollution, 2001, 125, 1-17.	2.4	10
30	Modelling the dynamics of landscape transformations and population growth in the highlands of Ethiopia using remote-sensing data. International Journal of Remote Sensing, 2016, 37, 5647-5667.	2.9	10
31	Tree regeneration patterns in cork oak landscapes of Southern Portugal: The importance of land cover type, stand characteristics and site conditions. Forest Ecology and Management, 2021, 486, 118970.	3.2	10
32	Vitality fertilization balanced tree nutrition and mitigated severity of Sirococcus shoot blight on mature Norway spruce. Forest Ecology and Management, 2017, 389, 96-104.	3.2	9
33	Factors influencing the soil solution chemistry in Norway spruce stands in the Bohemian Forest, Austria. Agriculture, Ecosystems and Environment, 1993, 47, 135-145.	5.3	7
34	Climate Change in Remote Mountain Regions: A Throughfall-Exclusion Experiment to Simulate Monsoon Failure in the Himalayas. Mountain Research and Development, 2017, 37, 294.	1.0	7
35	A system for classifying subsolum geological substrates as a basis for describing soil formation. Catena, 2021, 198, 105026.	5.0	7
36	A Standardized Morpho-Functional Classification of the Planetâ€™s Humipedons. Soil Systems, 2022, 6, 59.	2.6	7

#	Article	IF	Citations
37	Assessing the Sensitivity of Mountain Forests to Site Degradation in the Northern Limestone Alps, Europe. Mountain Research and Development, 2015, 35, 139-151.	1.0	6
38	Modeling of Nitrogen Dynamics in an Austrian Alpine Forest Ecosystem on Calcareous Soils: A Scenario-Based Risk Assessment under Changing Environmental Conditions. Scientific World Journal, The, 2007, 7, 159-165.	2.1	5
39	TerrHum: An iOS Application for Classifying Terrestrial Humipedons and Some Considerations about Soil Classification. Soil Science Society of America Journal, 2019, 83, S42.	2.2	5
40	Carbon and Nitrogen Flow in the Traditional Land Use System of the Himalaya Region, Nepal. Mountain Research and Development, 2013, 33, 381-390.	1.0	4
41	Combined forest and soil management after a catastrophic event. Journal of Mountain Science, 2020, 17, 2459-2484.	2.0	4
42	Herbivory modulates soil CO2 fluxes after windthrow: a case study in temperate mountain forests. European Journal of Forest Research, 2020, 139, 383-391.	2.5	3
43	Species diversity and litter dynamics in secondary mixed deciduous forest, Thung Salaeng Lung National Park, Northern, Thailand. Folia Forestalia Polonica, Series A, 2013, 55, .	0.3	2