Klaus Katzensteiner

List of Publications by Citations

41 papers	1,297 citations	17 h-index	35 g-index
43 ext. papers	1,563 ext. citations	4.2 avg, IF	4.3 L-index

#	Paper	IF	Citations
41	Sustainable utilisation of forest biomass for energy: 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	5.3	185
40	Tamm Review: Influence of forest management activities on soil organic carbon stocks: A knowledge synthesis. *Forest Ecology and Management*, **2020**, 466, 118127	3.9	140
39	A European morpho-functional classification of humus forms. *Geoderma*, **2011**, 164, 138-145	6.7	120
38	Do water-limiting conditions predispose Norway spruce to bark beetle attack?. *New Phytologist*, **2015**, 205, 1128-1141	9.8	115
37	How Forest Management affects Ecosystem Services, including Timber Production and Economic Return: Synergies and Trade-Offs. *Ecology and Society*, **2012**, 17,	4.1	113
36	The impacts of climate change and disturbance on spatio-temporal trajectories of biodiversity in a temperate forest landscape. *Journal of Applied Ecology*, **2017**, 54, 28-38	5.8	107
35	Spatio-temporal analysis of the soil water content in a mixed Norway spruce (Picea abies (L.) Karst.)/European beech (Fagus sylvatica L.) stand. *Geoderma*, **2003**, 112, 273-287	6.7	78
34	Nitrogen-induced nutritional imbalances □a contributing factor to Norway spruce decline in the Bohemian forest (Austria). *Forest Ecology and Management*, **1992**, 51, 29-42	3.9	44
33	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	3.9	40
32	Effects of harvesting on nutrient leaching in a Norway spruce (Picea abies Karst.) ecosystem on a Lithic Leptosol in the Northern Limestone Alps. *Plant and Soil*, **2003**, 250, 59-73	4.2	38
31	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	5.6	31
30	Humusica 1, article 5: Terrestrial humus systems and forms □Keys of classification of humus systems and forms. *Applied Soil Ecology*, **2018**, 122, 75-86	5	27
29	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	5.8	26
28	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	2.7	24
27	Humusica 1, article 4: Terrestrial humus systems and forms □Specific terms and diagnostic horizons. *Applied Soil Ecology*, **2018**, 122, 56-74	5	18
26	Soil CO₂ efflux from mountainous windthrow areas: dynamics over 12 years post-disturbance. *Biogeosciences*, **2014**, 11, 6081-6093	4.6	18
25	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	2.6	18

24	Tree regeneration retards decomposition in a temperate mountain soil after forest gap disturbance. *Soil Biology and Biochemistry*, **2017**, 115, 490-498	7.5	16
23	Turbulent energy and carbon dioxide exchange along an early-successional windthrow chronosequence in the European Alps. *Agricultural and Forest Meteorology*, **2017**, 232, 576-594	5.8	11
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	2.7	11
21	Physiological, structural, and nutritional parameters of Norway spruce needles from declining forest stands in Austria. *Canadian Journal of Forest Research*, **1996**, 26, 1769-1780	1.9	11
20	Amelioration of Magnesium Deficiency in a Norway Spruce Stand (Picea abies) with Calcined Magnesite. *Water, Air, and Soil Pollution*, **2001**, 125, 1-17	2.6	10
19	Potassium fertilization affects the distribution of fine roots but does not change ectomycorrhizal community structure. *Annals of Forest Science*, **2016**, 73, 691-702	3.1	9
18	Substrate influences ecophysiological performance of tree seedlings. *Tree Physiology*, **2016**, 36, 39-53	4.2	8
17	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	3.1	7
16	Massenauftreten der Kleinen Fichtenblattwespe Pristiphora abietina (Christ) (Hym., Thentrinidae) im Hausruck. 2: Immissionsökologischer Einflu *Journal of Applied Entomology*, **1994**, 118, 253-266	1.7	7
15	A framework for the predictive mapping of forest soil properties in mountain areas. *Geoderma*, **2020**, 371, 114383	6.7	6
14	Factors influencing the soil solution chemistry in Norway spruce stands in the Bohemian Forest, Austria. *Agriculture, Ecosystems and Environment*, **1993**, 47, 135-145	5.7	6
13	Soil fertility relates to fungal-mediated decomposition and organic matter turnover in a temperate mountain forest. *New Phytologist*, **2021**, 231, 777-790	9.8	6
12	Assessing the Sensitivity of Mountain Forests to Site Degradation in the Northern Limestone Alps, Europe. *Mountain Research and Development*, **2015**, 35, 139-151	1.4	5
11	Drivers of forest regeneration patterns in drought prone mixed-species forests in the Northern Calcareous Alps. *Forest Ecology and Management*, **2019**, 453, 117589	3.9	5
10	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	3.9	5
9	Vitality fertilization balanced tree nutrition and mitigated severity of Sirococcus shoot blight on mature Norway spruce. *Forest Ecology and Management*, **2017**, 389, 96-104	3.9	4
8	Climate Change in Remote Mountain Regions: A Throughfall-Exclusion Experiment to Simulate Monsoon Failure in the Himalayas. *Mountain Research and Development*, **2017**, 37, 294	1.4	4
7	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 Suppl 1, 159-65	2.2	4

6	High Fungal Diversity but Low Seasonal Dynamics and Ectomycorrhizal Abundance in a Mountain Beech Forest. *Microbial Ecology*, **2021**, 82, 243-256	4.4	4
5	A system for classifying subsolum geological substrates as a basis for describing soil formation. *Catena*, **2021**, 198, 105026	5.8	4
4	Carbon and Nitrogen Flow in the Traditional Land Use System of the Himalaya Region, Nepal. *Mountain Research and Development*, **2013**, 33, 381-390	1.4	3
3	TerrHum: An iOS Application for Classifying Terrestrial Humipedons and Some Considerations about Soil Classification. *Soil Science Society of America Journal*, **2019**, 83, S42	2.5	3
2	Herbivory modulates soil CO2 fluxes after windthrow: a case study in temperate mountain forests. *European Journal of Forest Research*, **2020**, 139, 383-391	2.7	2
1	Combined forest and soil management after a catastrophic event. *Journal of Mountain Science*, **2020**, 17, 2459-2484	2.1	2