Kamil KrÃ¡l

List of Publications by Year
in descending order

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43 papers	2,847 citations	218592 26 h-index	243529 44 g-index
44 all docs	44 docs citations	44 times ranked	4804 citing authors

#	Article	IF	Citations
1	<scp>CTFS</scp>â€Forest<scp>GEO</scp>: a worldwide network monitoring forests in an era of global change. Global Change Biology, 2015, 21, 528-549.	4.2	473
2	Global importance of largeâ€diameter trees. Global Ecology and Biogeography, 2018, 27, 849-864.	2.7	330
3	BioTIME: A database of biodiversity time series for the Anthropocene. Global Ecology and Biogeography, 2018, 27, 760-786.	2.7	289
4	Plant diversity increases with the strength of negative density dependence at the global scale. Science, 2017, 356, 1389-1392.	6.0	222
5	3D Forest: An application for descriptions of three-dimensional forest structures using terrestrial LiDAR. PLoS ONE, 2017, 12, e0176871.	1.1	135
6	ForestGEO: Understanding forest diversity and dynamics through a global observatory network. Biological Conservation, 2021, 253, 108907.	1.9	122
7	The role of tree uprooting in soil formation: A critical literature review. Geoderma, 2010, 157, 65-79.	2.3	116
8	Direct and indirect effects of climate on richness drive the latitudinal diversity gradient in forest trees. Ecology Letters, 2019, 22, 245-255.	3.0	92
9	New Opportunities for Forest Remote Sensing Through Ultra-High-Density Drone Lidar. Surveys in Geophysics, 2019, 40, 959-977.	2.1	82
10	Local variability of stand structural features in beech dominated natural forests of Central Europe: Implications for sampling. Forest Ecology and Management, 2010, 260, 2196-2203.	1.4	74
11	Developmental phases in a temperate natural spruce-fir-beech forest: determination by a supervised classification method. European Journal of Forest Research, 2010, 129, 339-351.	1.1	60
12	Patch mosaic of developmental stages in central European natural forests along vegetation gradient. Forest Ecology and Management, 2014, 330, 17-28.	1.4	59
13	Individualâ€based approach to the detection of disturbance history through spatial scales in a natural beechâ€dominated forest. Journal of Vegetation Science, 2013, 24, 1167-1184.	1.1	54
14	Tree spatial patterns of Fagus sylvatica expansion over 37 years. Forest Ecology and Management, 2016, 375, 134-145.	1.4	50
15	Spatial and volume patterns of an unmanaged submontane mixed forest in Central Europe: 160 years of spontaneous dynamics. Forest Ecology and Management, 2011, 262, 873-885.	1.4	49
16	Natural gap dynamics in a Central European mixed beechâ€”spruceâ€”fir old-growth forest. Ecoscience, 2009, 16, 39-47.	0.6	47
17	How do environmental conditions affect the deadwood decomposition of European beech (Fagus) Tj ETQq1 1 0.784314 rgBT /Overlo	1.4	47
18	Spatial variability of general stand characteristics in central European beech-dominated natural stands â€“ Effects of scale. Forest Ecology and Management, 2014, 328, 353-364.	1.4	45

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19	The first detailed landâ€cover map of Socotra Island by Landsat/ETM+ data. International Journal of Remote Sensing, 2006, 27, 3239-3250.	1.3	40
20	Arrangement of terrestrial laser scanner positions for area-wide stem mapping of natural forests. Canadian Journal of Forest Research, 2013, 43, 355-363.	0.8	34
21	Tree spatial patterns of Abies alba and Fagus sylvatica in the Western Carpathians over 30Âyears. European Journal of Forest Research, 2014, 133, 1015-1028.	1.1	34
22	How cyclical and predictable are Central European temperate forest dynamics in terms of development phases?. Journal of Vegetation Science, 2018, 29, 84-97.	1.1	34
23	Tree layer dynamics of the Cahnovâ€“Soutok near-natural floodplain forest after 33Âyears (1973â€“2006). European Journal of Forest Research, 2008, 127, 337-345.	1.1	33
24	Deadwood residence time in alluvial hardwood temperate forests â€“ A key aspect of biodiversity conservation. Forest Ecology and Management, 2015, 357, 33-41.	1.4	30
25	Patterns of nitrogenâ€fixing tree abundance in forests across Asia and America. Journal of Ecology, 2019, 107, 2598-2610.	1.9	29
26	Arbuscular mycorrhizal trees influence the latitudinal beta-diversity gradient of tree communities in forests worldwide. Nature Communications, 2021, 12, 3137.	5.8	28
27	Supervised Segmentation of Ultra-High-Density Drone Lidar for Large-Area Mapping of Individual Trees. Remote Sensing, 2020, 12, 3260.	1.8	27
28	Field maple and hornbeam populations along a 4-m elevation gradient in an alluvial forest. European Journal of Forest Research, 2011, 130, 197-208.	1.1	26
29	Beyond the cones: How crown shape plasticity alters aboveground competition for space and lightâ€”Evidence from terrestrial laser scanning. Agricultural and Forest Meteorology, 2019, 264, 188-199.	1.9	26
30	Distribution of biomass dynamics in relation to tree size in forests across the world. New Phytologist, 2022, 234, 1664-1677.	3.5	24
31	Fine-scale patch mosaic of developmental stages in Northeast American secondary temperate forests: the European perspective. European Journal of Forest Research, 2016, 135, 981-996.	1.1	19
32	Beyond direct neighbourhood effects: higher-order interactions improve modelling and predicting tree survival and growth. National Science Review, 2021, 8, nwaa244.	4.6	16
33	Classification of Current Vegetation Cover and Alpine Treeline Ecotone in the PradÄ›d Reserve (Czech) Tj ETQq1 1 0.784314 rgBT /Ov	0.4	15
34	The true response of Fagus sylvatica L. to disturbances: A basis for the empirical inference of release criteria for temperate forests. Forest Ecology and Management, 2016, 374, 174-185.	1.4	12
35	Patterns of Fraxinus angustifolia in an alluvial old-growth forest after declines in flooding events. European Journal of Forest Research, 2016, 135, 215-228.	1.1	12
36	allodb: An R package for biomass estimation at globally distributed extratropical forest plots. Methods in Ecology and Evolution, 2022, 13, 330-338.	2.2	11

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37	Spatiotemporal differences in tree spatial patterns between alluvial hardwood and mountain firâ€“beech forests: do characteristic patterns exist?. Journal of Vegetation Science, 2013, 24, 1141-1153.	1.1	10
38	Breaking through beech: A three-decade rise of sycamore in old-growth European forest. Forest Ecology and Management, 2016, 366, 106-117.	1.4	9
39	Response to Comment on â€œPlant diversity increases with the strength of negative density dependence at the global scaleâ€• Science, 2018, 360, .	6.0	9
40	Response to Comment on â€œPlant diversity increases with the strength of negative density dependence at the global scaleâ€• Science, 2018, 360, .	6.0	6
41	Driving factors of the growth response of Fagus sylvatica L. to disturbances: A comprehensive study from Central-European old-growth forests. Forest Ecology and Management, 2019, 444, 96-106.	1.4	6
42	Application of the Czech Methodology of Biogeographical Landscape Differentiation in Geobiocoenological Concept â€“ Examples from Cuba, Tasmania and Yemen. Journal of Landscape Ecology(Czech Republic), 2015, 8, 51-67.	0.2	5
43	Where have all the tree diameters grown? Patterns in Fagus sylvatica L. diameter growth on their run to the upper canopy. Ecosphere, 2018, 9, e02508.	1.0	3