

Akira Osawa

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

228
citations

1163117

8
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996975

15
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all docs

18
docs citations

18
times ranked

301
citing authors

#	ARTICLE	IF	CITATIONS
1	A new approach to estimate fine root production, mortality, and decomposition using litter bag experiments and soil core techniques. <i>Plant and Soil</i> , 2012, 355, 167-181.	3.7	50
2	Individual-based measurement and analysis of root system development: case studies for <i>Larix gmelinii</i> trees growing on the permafrost region in Siberia. <i>Journal of Forest Research</i> , 2007, 12, 103-112.	1.4	31
3	Population changes of early successional forest species after shifting cultivation in Northwestern Vietnam. <i>New Forests</i> , 2011, 41, 247-262.	1.7	25
4	Species composition, biomass, and net primary productivity of mangrove forest in Okukubi River, Okinawa Island, Japan. <i>Regional Studies in Marine Science</i> , 2017, 12, 19-27.	0.7	23
5	Fine root dynamics after soil disturbance evaluated with a root scanner method. <i>Plant and Soil</i> , 2017, 419, 467-487.	3.7	16
6	Estimation of fine-root production using rates of diameter-dependent root mortality, decomposition and thickening in forests. <i>Tree Physiology</i> , 2016, 36, 513-523.	3.1	15
7	Size-dependent morphological and chemical property of fine root litter decomposition. <i>Plant and Soil</i> , 2015, 393, 283-295.	3.7	12
8	Quantification and Understanding of Above and Belowground Biomass in Medium Saline Zone of the Sundarbans, Bangladesh: The Relationships with Forest Attributes. <i>Journal of Sustainable Forestry</i> , 2020, 39, 331-345.	1.4	12
9	Decomposition rate of extraradical hyphae of arbuscular mycorrhizal fungi decreases rapidly over time and varies by hyphal diameter and season. <i>Soil Biology and Biochemistry</i> , 2019, 136, 107533.	8.8	10
10	Seasonal patterns of fine root dynamics and their contribution to net primary production in hinoki cypress (<i>Chamaecyparis obtusa</i>) and konara oak (<i>Quercus serrata</i>) forests. <i>Trees - Structure and Function</i> , 2021, 35, 255-271.	1.9	7
11	Comparison of biomass and net primary productivity among three species in a subtropical mangrove forest at Manko Wetland, Okinawa, Japan. <i>Regional Studies in Marine Science</i> , 2019, 25, 100475.	0.7	6
12	Phenology and litterfall production of <i>Bruguiera sexangula</i> (Lour.) Poir. in the Sundarbans mangrove forests, Bangladesh. <i>Forest Science and Technology</i> , 2019, 15, 165-172.	0.8	5
13	Soil conditions required for reaction wood formation of drunken trees in a continuous permafrost region. <i>Arctic, Antarctic, and Alpine Research</i> , 2020, 52, 47-59.	1.1	5
14	Recovery of Vegetation Structure and Species Diversity after Shifting Cultivation in Northwestern Vietnam, with Special Reference to Commercially Valuable Tree Species. <i>ISRN Ecology</i> , 2011, 2011, 1-12.	1.0	4
15	Fine roots: when anisotropy matters. <i>Tree Physiology</i> , 2017, 37, 693-696.	3.1	3
16	Evidence for the coupling of extraradical mycorrhizal hyphae production to plant C assimilation in Japanese warm-temperate forest of arbuscular mycorrhizal and ectomycorrhizal tree species. <i>European Journal of Soil Biology</i> , 2018, 88, 73-79.	3.2	2
17	Two-decadal trends in aboveground litterfall and net primary production in self-thinning <i>Pinus banksiana</i> stands in Wood Buffalo National Park, NWT, Canada. <i>Scandinavian Journal of Forest Research</i> , 2019, 34, 102-114.	1.4	1
18	Application of a u-w method for the detection of boreal forest response to environmental changes in Canada. <i>Journal of Forest Research</i> , 2021, 26, 303-313.	1.4	1