

# Liubov Volkova

## List of Publications by Year in descending order

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Version: 2024-02-01

38  
papers

691  
citations

471509

17  
h-index

610901

24  
g-index

40  
all docs

40  
docs citations

40  
times ranked

771  
citing authors

#	ARTICLE	IF	CITATIONS
1	Fuel reduction burning mitigates wildfire effects on forest carbon and greenhouse gas emission. <i>International Journal of Wildland Fire</i> , 2014, 23, 771.	2.4	48
2	Additive biomass equations based on complete weighing of sample trees for open eucalypt forest species in south-eastern Australia. <i>Forest Ecology and Management</i> , 2015, 349, 106-121.	3.2	39
3	Emissions of trace gases from Australian temperate forest fires: emission factors and dependence on modified combustion efficiency. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 3717-3735.	4.9	38
4	Prescribed fire increases pyrogenic carbon in litter and surface soil in lowland Eucalyptus forests of south-eastern Australia. <i>Forest Ecology and Management</i> , 2016, 366, 98-105.	3.2	36
5	Redistribution and emission of forest carbon by planned burning in <i>Eucalyptus obliqua</i> (L. H&Auml;rit.) forest of south-eastern Australia. <i>Forest Ecology and Management</i> , 2013, 304, 383-390.	3.2	34
6	Estimating forest above-ground biomass with terrestrial laser scanning: Current status and future directions. <i>Methods in Ecology and Evolution</i> , 2022, 13, 1628-1639.	5.2	31
7	Visual assessments of fuel loads are poorly related to destructively sampled fuel loads in eucalypt forests. <i>International Journal of Wildland Fire</i> , 2016, 25, 1193.	2.4	30
8	Ground-based Field Measurements of PM <sub>2.5</sub> Emission Factors From Flaming and Smoldering Combustion in Eucalypt Forests. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 8301-8314.	3.3	28
9	Carbon loss from planned fires in southeastern Australian dry Eucalyptus forests. <i>Forest Ecology and Management</i> , 2015, 336, 91-98.	3.2	27
10	Diurnal and seasonal variations in photosynthetic and morphological traits of the tree ferns <i>Dicksonia antarctica</i> (Dicksoniaceae) and <i>Cyathea australis</i> (Cyatheaceae) in wet sclerophyll forests of Australia. <i>Environmental and Experimental Botany</i> , 2011, 70, 11-19.	4.2	25
11	Importance of disturbance history on net primary productivity in the world's most productive forests and implications for the global carbon cycle. <i>Global Change Biology</i> , 2018, 24, 4293-4303.	9.5	25
12	Effect of woody debris on the rate of spread of surface fires in forest fuels in a combustion wind tunnel. <i>Forest Ecology and Management</i> , 2018, 424, 236-245.	3.2	22
13	Fire intensity effects on post-fire fuel recovery in Eucalyptus open forests of south-eastern Australia. <i>Science of the Total Environment</i> , 2019, 670, 328-336.	8.0	22
14	Investigation of mercury emissions from burning of Australian eucalypt forest surface fuels using a combustion wind tunnel and field observations. <i>Atmospheric Environment</i> , 2019, 202, 17-27.	4.1	21
15	Impact of mechanical thinning on forest carbon, fuel hazard and simulated fire behaviour in <i>Eucalyptus delegatensis</i> forest of south-eastern Australia. <i>Forest Ecology and Management</i> , 2017, 405, 92-100.	3.2	20
16	Interactive effects of high irradiance and moderate heat on photosynthesis, pigments, and tocopherol in the tree-fern <i>Dicksonia antarctica</i> . <i>Functional Plant Biology</i> , 2009, 36, 1046.	2.1	19
17	Effect of thinning and burning fuel reduction treatments on forest carbon and bushfire fuel hazard in <i>Eucalyptus sieberi</i> forests of South-Eastern Australia. <i>Science of the Total Environment</i> , 2019, 694, 133708.	8.0	19
18	Identifying and addressing knowledge gaps for improving greenhouse gas emissions estimates from tropical peat forest fires. <i>Science of the Total Environment</i> , 2021, 763, 142933.	8.0	17

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19	Improving reporting of national greenhouse gas emissions from forest fires for emission reduction benefits: An example from Australia. <i>Environmental Science and Policy</i> , 2019, 94, 49-62.	4.9	16
20	Assessing Accuracy of Land Cover Change Maps Derived from Automated Digital Processing and Visual Interpretation in Tropical Forests in Indonesia. <i>Remote Sensing</i> , 2021, 13, 1446.	4.0	16
21	Potential for forest thinning to reduce risk and increase resilience to wildfire in Australian temperate Eucalyptus forests. <i>Current Opinion in Environmental Science and Health</i> , 2021, 23, 100280.	4.1	16
22	Empirical Estimates of Aboveground Carbon in Open Eucalyptus Forests of South-Eastern Australia and Its Potential Implication for National Carbon Accounting. <i>Forests</i> , 2015, 6, 3395-3411.	2.1	15
23	Effects of sudden exposure to high light levels on two tree fern species <i>Dicksonia antarctica</i> (Dicksoniaceae) and <i>Cyathea australis</i> (Cyatheaceae) acclimated to different light intensities. <i>Australian Journal of Botany</i> , 2009, 57, 562.	0.6	14
24	Effects of prescribed fire frequency on wildfire emissions and carbon sequestration in a fire adapted ecosystem using a comprehensive carbon model. <i>Journal of Environmental Management</i> , 2021, 290, 112673.	7.8	14
25	Shade does not ameliorate drought effects on the tree fern species <i>Dicksonia antarctica</i> and <i>Cyathea australis</i> . <i>Trees - Structure and Function</i> , 2010, 24, 351-362.	1.9	13
26	Edge type affects leaf-level water relations and estimated transpiration of <i>Eucalyptus arenacea</i> . <i>Tree Physiology</i> , 2012, 32, 280-293.	3.1	13
27	Carbon balance of tropical peat forests at different fire history and implications for carbon emissions. <i>Science of the Total Environment</i> , 2021, 779, 146365.	8.0	13
28	A data - Model fusion methodology for mapping bushfire fuels for smoke emissions forecasting in forested landscapes of south-eastern Australia. <i>Journal of Environmental Management</i> , 2018, 222, 21-29.	7.8	10
29	Loss and Recovery of Carbon in Repeatedly Burned Degraded Peatlands of Kalimantan, Indonesia. <i>Fire</i> , 2021, 4, 64.	2.8	7
30	Aboveground carbon of community-managed Chirpine ( <i>Pinus roxburghii</i> Sarg.) forests of Nepal based on stand types and geographic aspects. <i>PeerJ</i> , 2019, 7, e6494.	2.0	7
31	A quantitative test for heat-induced cell necrosis in vascular cambium and secondary phloem of <i>Eucalyptus obliqua</i> stems. <i>Journal of Plant Ecology</i> , 2021, 14, 160-169.	2.3	6
32	Effect of recent fuel reduction treatments on wildfire severity in southeast Australian <i>Eucalyptus sieberi</i> forests. <i>Forest Ecology and Management</i> , 2022, 505, 119924.	3.2	6
33	Recovery of Carbon and Vegetation Diversity 23 Years after Fire in a Tropical Dryland Forest of Indonesia. <i>Sustainability</i> , 2022, 14, 6964.	3.2	6
34	Developing Multi-Source Indices to Discriminate between Native Tropical Forests, Oil Palm and Rubber Plantations in Indonesia. <i>Remote Sensing</i> , 2022, 14, 3.	4.0	5
35	Estimating land cover map accuracy and area uncertainty using a confusion matrix: A case study in Kalimantan, Indonesia. <i>IOP Conference Series: Earth and Environmental Science</i> , 2021, 914, 012025.	0.3	4
36	Forest Management Influences Aboveground Carbon and Tree Species Diversity in Myanmar's Mixed Deciduous Forests. <i>Forests</i> , 2016, 7, 217.	2.1	3

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37	Effect of Temperature and Exposure Time on Cambium Cell Viability In Vitro for Eucalyptus Species. Forests, 2021, 12, 445.	2.1	3
38	Additive predictions of aboveground stand biomass in commercial logs and harvest residues for rotation age Pinus radiata plantations in New South Wales, Australia. Journal of Forestry Research, 0, 1.	3.6	2