

Arshad Ali

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

76
papers

1,078
citations

19
h-index

29
g-index

92
ext. papers

1,532
ext. citations

5.1
avg, IF

5.35
L-index

#	Paper	IF	Citations
76	Strata-dependent relationships among temperate forest structure, diversity, and growth rate along a local-scale environmental gradient. <i>Ecological Indicators</i> , 2022 , 135, 108566	5.8	0
75	Ecological Stoichiometry in <i>Pinus massoniana</i> L. Plantation: Increasing Nutrient Limitation in a 48-Year Chronosequence. <i>Forests</i> , 2022 , 13, 469	2.8	1
74	Species evenness declines but specific functional strategy enhances aboveground biomass across strata in subtropical Warm-temperate forests of South Korea. <i>Forest Ecology and Management</i> , 2022 , 512, 120179	3.9	1
73	Big-sized trees and species-functional diversity pathways mediate divergent impacts of environmental factors on individual biomass variability in Sri Lankan tropical forests.. <i>Journal of Environmental Management</i> , 2022 , 315, 115177	7.9	1
72	Anthropogenic Disturbances Shape Soil Capillary and Saturated Water Retention Indirectly via Plant Functional Traits and Soil Organic Carbon in Temperate Forests. <i>Forests</i> , 2021 , 12, 1588	2.8	0
71	The role of biodiversity in mitigating the effects of nutrient limitation and short-term rotations in plantations of subtropical China. <i>Journal of Environmental Management</i> , 2021 , 114140	7.9	0
70	Divergent above- and below-ground biodiversity pathways mediate disturbance impacts on temperate forest multifunctionality. <i>Global Change Biology</i> , 2021 , 27, 2883-2894	11.4	1
69	Stand structure determines aboveground biomass across temperate forest types and species mixture along a local-scale elevational gradient. <i>Forest Ecology and Management</i> , 2021 , 486, 118984	3.9	8
68	Stand density of co-existing species regulates above-ground biomass along a local-scale elevational gradient in tropical forests. <i>Applied Vegetation Science</i> , 2021 , 24, e12577	3.3	3
67	Evolutionary diversity and species richness predict aboveground biomass better than tree size variation in local-scale tropical forest types of Nepal. <i>Forest Ecology and Management</i> , 2021 , 490, 119146	3.9	2
66	Context-dependency of tree species diversity, trait composition and stand structural attributes regulate temperate forest multifunctionality. <i>Science of the Total Environment</i> , 2021 , 757, 143274	10.2	5
65	Few large trees, rather than plant diversity and composition, drive the above-ground biomass stock and dynamics of temperate forests in northeast China. <i>Forest Ecology and Management</i> , 2021 , 481, 118698	3.9	8
64	Climate regulates the functional traits - aboveground biomass relationships at a community-level in forests: A global meta-analysis. <i>Science of the Total Environment</i> , 2021 , 761, 143238	10.2	10
63	Taxonomic and functional beta diversity of woody communities along Amazon forest succession: The relative importance of stand age, soil properties and spatial factor. <i>Forest Ecology and Management</i> , 2021 , 482, 118885	3.9	5
62	Tree species diversity enhances plant-soil interactions in a temperate forest in northeast China. <i>Forest Ecology and Management</i> , 2021 , 491, 119160	3.9	3
61	Benchmarking plant diversity of Palaearctic grasslands and other open habitats. <i>Journal of Vegetation Science</i> , 2021 , 32, e13050	3.1	8
60	Species co-occurrence shapes spatial variability in plant diversityBiomass relationships in natural rangelands under different grazing intensities. <i>Land Degradation and Development</i> , 2021 , 32, 4390-4401	4.4	1

59	Big-sized trees and forest functioning: Current knowledge and future perspectives. <i>Ecological Indicators</i> , 2021 , 127, 107760	5.8	1
58	Tree-size dimension inequality shapes aboveground carbon stock across temperate forest strata along environmental gradients. <i>Forest Ecology and Management</i> , 2021 , 496, 119482	3.9	5
57	Response of community diversity and productivity to canopy gap disturbance in subtropical forests. <i>Forest Ecology and Management</i> , 2021 , 502, 119740	3.9	2
56	Influence of soil microorganisms and physicochemical properties on plant diversity in an arid desert of Western China. <i>Journal of Forestry Research</i> , 2021 , 32, 2645	2	2
55	Topmost trees and foremost species underlie tropical forest structure, diversity and biomass through opposing mechanisms. <i>Forest Ecology and Management</i> , 2020 , 473, 118299	3.9	3
54	Topography and forest diversity facets regulate overstory and understory aboveground biomass in a temperate forest of South Korea. <i>Science of the Total Environment</i> , 2020 , 744, 140783	10.2	10
53	Above- and below-ground biodiversity jointly regulate temperate forest multifunctionality along a local-scale environmental gradient. <i>Journal of Ecology</i> , 2020 , 108, 2012-2024	6	29
52	Environmental filtering, predominance of strong competitor trees and exclusion of moderate-weak competitor trees shape species richness and biomass. <i>Science of the Total Environment</i> , 2020 , 723, 138105	10.2	5
51	Machine learning and geostatistical approaches for estimating aboveground biomass in Chinese subtropical forests. <i>Forest Ecosystems</i> , 2020 , 7,	3.8	14
50	Flowering Phenology Shifts in Response to Functional Traits, Growth Form, and Phylogeny of Woody Species in a Desert Area. <i>Frontiers in Plant Science</i> , 2020 , 11, 536	6.2	6
49	Big-trees Energy mechanism underlies forest diversity and aboveground biomass. <i>Forest Ecology and Management</i> , 2020 , 461, 117968	3.9	9
48	Impacts of climatic and edaphic factors on the diversity, structure and biomass of species-poor and structurally-complex forests. <i>Science of the Total Environment</i> , 2020 , 706, 135719	10.2	14
47	Bayesian model predicts the aboveground biomass of Caragana microphylla in sandy lands better than OLS regression models. <i>Journal of Plant Ecology</i> , 2020 , 13, 732-737	1.7	2
46	Stand structural attributes and functional trait composition overrule the effects of functional divergence on aboveground biomass during Amazon forest succession. <i>Forest Ecology and Management</i> , 2020 , 477, 118481	3.9	9
45	Fine-scale habitat differentiation shapes the composition, structure and aboveground biomass but not species richness of a tropical Atlantic forest. <i>Journal of Forestry Research</i> , 2020 , 31, 1599-1611	2	9
44	Temporal stability of aboveground biomass is governed by species asynchrony in temperate forests. <i>Ecological Indicators</i> , 2019 , 107, 105661-105661	5.8	8
43	Topography, grazing, and soil textures control over rangelandsVegetation quantity and quality. <i>Science of the Total Environment</i> , 2019 , 697, 134153	10.2	13
42	Testing species abundance distribution models in tropical forest successions: Implications for fine-scale passive restoration. <i>Ecological Engineering</i> , 2019 , 135, 28-35	3.9	18

41	Big-sized trees overrule remaining trees attributes and species richness as determinants of aboveground biomass in tropical forests. <i>Global Change Biology</i> , 2019 , 25, 2810-2824	11.4	49
40	Effects of the ephemeral stream on plant species diversity and distribution in an alluvial fan of arid desert region: An application of a low altitude UAV. <i>PLoS ONE</i> , 2019 , 14, e0212057	3.7	5
39	Prediction of groundwater depth in an arid region based on maximum tree height. <i>Journal of Hydrology</i> , 2019 , 574, 46-52	6	6
38	Soil moisture and salinity as main drivers of soil respiration across natural xeromorphic vegetation and agricultural lands in an arid desert region. <i>Catena</i> , 2019 , 177, 126-133	5.8	26
37	Elucidating space, climate, edaphic, and biodiversity effects on aboveground biomass in tropical forests. <i>Land Degradation and Development</i> , 2019 , 30, 918-927	4.4	12
36	Multiple abiotic and biotic pathways shape biomass demographic processes in temperate forests. <i>Ecology</i> , 2019 , 100, e02650	4.6	37
35	Climatic water availability is the main limiting factor of biotic attributes across large-scale elevational gradients in tropical forests. <i>Science of the Total Environment</i> , 2019 , 647, 1211-1221	10.2	25
34	Biochar for Soil Water Conservation and Salinization Control in Arid Desert Regions 2019 , 161-168		2
33	Forest stand structure and functioning: Current knowledge and future challenges. <i>Ecological Indicators</i> , 2019 , 98, 665-677	5.8	50
32	What is the role of perennial plants in semi-steppe rangelands? Direct and indirect effects of perennial on annual plant species. <i>Ecological Indicators</i> , 2019 , 98, 389-396	5.8	4
31	Multiple abiotic and biotic drivers of aboveground biomass shift with forest stratum. <i>Forest Ecology and Management</i> , 2019 , 436, 1-10	3.9	26
30	Climate and soils determine aboveground biomass indirectly via species diversity and stand structural complexity in tropical forests. <i>Forest Ecology and Management</i> , 2019 , 432, 823-831	3.9	49
29	Tree crown complementarity links positive functional diversity and aboveground biomass along large-scale ecological gradients in tropical forests. <i>Science of the Total Environment</i> , 2019 , 656, 45-54	10.2	13
28	Generalized and species-specific prediction models for aboveground biomass in semi-steppe rangelands. <i>Journal of Plant Ecology</i> , 2019 , 12, 428-437	1.7	6
27	Wood density is a sustainability indicator for the management of dry zone homegarden agroforests: Evidences from biodiversity ecosystem function relationships. <i>Ecological Indicators</i> , 2019 , 105, 474-482	5.8	4
26	Abiotic and biotic determinants of coarse woody productivity in temperate mixed forests. <i>Science of the Total Environment</i> , 2018 , 630, 422-431	10.2	33
25	Abiotic and biotic drivers of aboveground biomass in semi-steppe rangelands. <i>Science of the Total Environment</i> , 2018 , 615, 895-905	10.2	27
24	The positive relationships between plant coverage, species richness, and aboveground biomass are ubiquitous across plant growth forms in semi-steppe rangelands. <i>Journal of Environmental Management</i> , 2018 , 205, 308-318	7.9	23

23	Woody species diversity as an indicator of the forest recovery after shifting cultivation disturbance in the northern Amazon. <i>Ecological Indicators</i> , 2018 , 95, 687-694	5.8	25
22	The mediation roles of intraspecific and interspecific functional trait diversity for linking the response of aboveground biomass to species richness across forest strata in a subtropical forest. <i>Ecological Indicators</i> , 2018 , 85, 493-501	5.8	8
21	Plant coverage is a potential ecological indicator for species diversity and aboveground biomass in semi-steppe rangelands. <i>Ecological Indicators</i> , 2018 , 93, 256-266	5.8	18
20	Forest strata-dependent functional evenness explains whole-community aboveground biomass through opposing mechanisms. <i>Forest Ecology and Management</i> , 2018 , 424, 439-447	3.9	19
19	Consequences of phylogenetic conservativeness and functional trait similarity on aboveground biomass vary across subtropical forest strata. <i>Forest Ecology and Management</i> , 2018 , 429, 28-35	3.9	5
18	Aboveground carbon storage is driven by functional trait composition and stand structural attributes rather than biodiversity in temperate mixed forests recovering from disturbances. <i>Annals of Forest Science</i> , 2018 , 75, 1	3.1	43
17	Experimental variations in functional and demographic traits of <i>Lappula semiglabra</i> among dew amount treatments in an arid region. <i>Ecohydrology</i> , 2017 , 10, e1858	2.5	8
16	Disentangling the effects of species diversity, and intraspecific and interspecific tree size variation on aboveground biomass in dry zone homegarden agroforestry systems. <i>Science of the Total Environment</i> , 2017 , 598, 38-48	10.2	14
15	The plant economics spectrum is structured by leaf habits and growth forms across subtropical species. <i>Tree Physiology</i> , 2017 , 37, 173-185	4.2	9
14	The forest strata-dependent relationship between biodiversity and aboveground biomass within a subtropical forest. <i>Forest Ecology and Management</i> , 2017 , 401, 125-134	3.9	41
13	Functional identity of overstorey tree height and understorey conservative traits drive aboveground biomass in a subtropical forest. <i>Ecological Indicators</i> , 2017 , 83, 158-168	5.8	30
12	Community-weighted mean of leaf traits and divergence of wood traits predict aboveground biomass in secondary subtropical forests. <i>Science of the Total Environment</i> , 2017 , 574, 654-662	10.2	68
11	Individual tree size inequality enhances aboveground biomass in homegarden agroforestry systems in the dry zone of Sri Lanka. <i>Science of the Total Environment</i> , 2017 , 575, 6-11	10.2	25
10	Stand structural diversity rather than species diversity enhances aboveground carbon storage in secondary subtropical forests in Eastern China. <i>Biogeosciences</i> , 2016 , 13, 4627-4635	4.6	72
9	Diversity-productivity dependent resistance of an alpine plant community to different climate change scenarios. <i>Ecological Research</i> , 2016 , 31, 935-945	1.9	2
8	Allometric biomass equations for shrub and small tree species in subtropical China. <i>Silva Fennica</i> , 2015 , 49,	1.9	41
7	A Review of Strong Evidence for the Effect of Functional Dominance on Carbon Stocks in Natural Forest Ecosystems. <i>Research Journal of Forestry</i> , 2015 , 9, 65-70	0.5	
6	Biomass and carbon stocks in <i>Schima superba</i> dominated subtropical forests of eastern China. <i>Journal of Forest Science</i> , 2014 , 60, 198-207	0.9	11

5	Linking <i>Populus euphratica</i> hydraulic redistribution to diversity assembly in the arid desert zone of Xinjiang, China. <i>PLoS ONE</i> , 2014 , 9, e109071	3.7	9
4	Relationships between soil carbon pool and vegetation carbon return through succession of evergreen broad-leaved forests in Tiantong region, Zhejiang Province, Eastern China. <i>Chinese Journal of Plant Ecology</i> , 2014 , 37, 803-810	1.2	4
3	C:N:P stoichiometry in forest floor litter of evergreen broad-leaved forests at different successional stages in Tiantong, Zhejiang, eastern China. <i>Chinese Journal of Plant Ecology</i> , 2014 , 38, 833-842	1.2	5
2	Functional identity regulates aboveground biomass better than trait diversity along abiotic conditions in global forest metacommunities. <i>Ecography</i> ,	6.5	3
1	Functional composition of tall-statured trees underpins aboveground biomass in tropical forests. <i>Journal of Forestry Research</i> ,1		2