

David M Newbery

List of Publications by Year in descending order

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69
papers

3,169
citations

172457

29
h-index

155660

55
g-index

74
all docs

74
docs citations

74
times ranked

3040
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Intra-annual radial growth and water relations of trees: implications towards a growth mechanism. <i>Journal of Experimental Botany</i> , 2006, 57, 1445-1459. | 4.8 | 332 |
| 2 | Modeling tree water deficit from microclimate: an approach to quantifying drought stress. <i>Tree Physiology</i> , 2005, 25, 147-156. | 3.1 | 199 |
| 3 | The ecoclimatology of Danum, Sabah, in the context of the world's rainforest regions, with particular reference to dry periods and their impact. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 1999, 354, 1869-1883. | 4.0 | 190 |
| 4 | EVIDENCE OF SPECIES-SPECIFIC NEIGHBORHOOD EFFECTS IN THE DIPTEROCARPACEAE OF A BORNEAN RAIN FOREST. <i>Ecology</i> , 2005, 86, 3048-3062. | 3.2 | 143 |
| 5 | The influence of topography and soil phosphorus on the vegetation of Korup Forest Reserve, Cameroun. <i>Plant Ecology</i> , 1986, 65, 131-148. | 1.2 | 140 |
| 6 | Ectomycorrhizal rain-forest legumes and soil phosphorus in Korup National Park, Cameroon. <i>New Phytologist</i> , 1988, 109, 433-450. | 7.3 | 137 |
| 7 | Primary lowland dipterocarp forest at Danum Valley, Sabah, Malaysia: structure, relative abundance and family composition. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 1992, 335, 341-356. | 4.0 | 131 |
| 8 | PHOSPHORUS DYNAMICS IN A LOWLAND AFRICAN RAINFOREST: THE INFLUENCE OF ECTOMYCORRHIZAL TREES. <i>Ecological Monographs</i> , 1997, 67, 367-409. | 5.4 | 94 |
| 9 | Ecological relationships between lianas and trees in lowland rain forest in Sabah, East Malaysia. <i>Journal of Tropical Ecology</i> , 1993, 9, 469-490. | 1.1 | 92 |
| 10 | Secondary succession and dipterocarp recruitment in Bornean rain forest after logging. <i>Forest Ecology and Management</i> , 2005, 218, 174-192. | 3.2 | 89 |
| 11 | Title is missing!. <i>Plant Ecology</i> , 2003, 164, 1-18. | 1.6 | 88 |
| 12 | Primary forest dynamics in lowland dipterocarp forest at Danum Valley, Sabah, Malaysia, and the role of the understorey. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 1999, 354, 1763-1782. | 4.0 | 81 |
| 13 | Primary lowland dipterocarp forest at Danum Valley, Sabah, Malaysia. Species composition and patterns in the understorey. <i>Plant Ecology</i> , 1996, 122, 193-220. | 1.2 | 77 |
| 14 | Rainfall input, throughfall and stemflow of nutrients in a central African rain forest dominated by ectomycorrhizal trees. <i>Biogeochemistry</i> , 2004, 67, 73-91. | 3.5 | 70 |
| 15 | Mast fruiting of large ectomycorrhizal African rain forest trees: importance of dry season intensity, and the resourceâ€limitation hypothesis. <i>New Phytologist</i> , 2006, 170, 561-579. | 7.3 | 69 |
| 16 | Tree architecture in a Bornean lowland rain forest: intraspecific and interspecific patterns. <i>Plant Ecology</i> , 2001, 153, 279-292. | 1.6 | 66 |
| 17 | Ecological Studies in Four Contrasting Lowland Rain Forests in Gunung Mulu National Park, Sarawak: IV. Associations Between Tree Distribution and Soil Factors. <i>Journal of Ecology</i> , 1984, 72, 475. | 4.0 | 60 |
| 18 | Litter nutrients and retranslocation in a central African rain forest dominated by ectomycorrhizal trees. <i>New Phytologist</i> , 2000, 148, 493-510. | 7.3 | 60 |

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|----|---|-----|-----------|
| 19 | Does proximity to conspecific adults influence the establishment of ectomycorrhizal trees in rain forest?. <i>New Phytologist</i> , 2000, 147, 401-409. | 7.3 | 57 |
| 20 | Timing of extreme drought modifies reproductive output in semi-natural grassland. <i>Journal of Vegetation Science</i> , 2016, 27, 238-248. | 2.2 | 52 |
| 21 | The influence of drainage and soil phosphorus on the vegetation of Douala-Edea Forest Reserve, Cameroun. <i>Plant Ecology</i> , 1986, 65, 149-162. | 1.2 | 51 |
| 22 | Does low phosphorus supply limit seedling establishment and tree growth in groves of ectomycorrhizal trees in a central African rainforest?. <i>New Phytologist</i> , 2002, 156, 297-311. | 7.3 | 51 |
| 23 | Transient dominance in a central African rain forest. <i>Ecological Monographs</i> , 2013, 83, 339-382. | 5.4 | 46 |
| 24 | Structure and inferred dynamics of a large grove of <i>Microberlinia bisulcata</i> trees in central African rain forest: the possible role of periods of multiple disturbance events. <i>Journal of Tropical Ecology</i> , 2004, 20, 131-143. | 1.1 | 44 |
| 25 | Spatial pattern of trees in kerangas forest, Sarawak. <i>Plant Ecology</i> , 1986, 65, 77-89. | 1.2 | 42 |
| 26 | Herbivory and Defense in Pioneer, Gap and Understory Trees of Tropical Rain Forest in French Guiana. <i>Biotropica</i> , 1985, 17, 238. | 1.6 | 39 |
| 27 | Resistance of a lowland rain forest to increasing drought intensity in Sabah, Borneo. <i>Journal of Tropical Ecology</i> , 2004, 20, 613-624. | 1.1 | 37 |
| 28 | Plurality of tree species responses to drought perturbation in Bornean tropical rain forest. <i>Plant Ecology</i> , 2009, 201, 147-167. | 1.6 | 36 |
| 29 | Title is missing!. <i>Plant Ecology</i> , 2002, 162, 169-187. | 1.6 | 33 |
| 30 | Floristic variation within kerangas (heath) forest: re-evaluation of data from Sarawak and Brunei. <i>Plant Ecology</i> , 1991, 96, 43-86. | 1.2 | 32 |
| 31 | Forest composition and inferred dynamics in Jengka Forest Reserve, Malaysia. <i>Journal of Tropical Ecology</i> , 1987, 3, 25-56. | 1.1 | 30 |
| 32 | Light and seed size affect establishment of grove-forming ectomycorrhizal rain forest tree species. <i>New Phytologist</i> , 2001, 151, 271-289. | 7.3 | 29 |
| 33 | Title is missing!. <i>Biogeochemistry</i> , 2002, 61, 73-94. | 3.5 | 29 |
| 34 | Relaxation of species-specific neighborhood effects in Bornean rain forest under climatic perturbation. <i>Ecology</i> , 2013, 94, 2838-2851. | 3.2 | 29 |
| 35 | Tree size and fecundity influence ballistic seed dispersal of two dominant mast-fruiting species in a tropical rain forest. <i>Forest Ecology and Management</i> , 2015, 338, 100-113. | 3.2 | 27 |
| 36 | On the detection of dynamic responses in a drought-perturbed tropical rainforest in Borneo. <i>Plant Ecology</i> , 2009, 201, 267-290. | 1.6 | 26 |

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|----|---|-----|-----------|
| 37 | Recruitment limitation after mast seeding in two African rain forest trees. <i>Ecology</i> , 2010, 91, 2303-2312. | 3.2 | 25 |
| 38 | Herbivores differentially limit the seedling growth and sapling recruitment of two dominant rain forest trees. <i>Oecologia</i> , 2014, 174, 459-469. | 2.0 | 25 |
| 39 | Buttress form of the central African rain forest tree <i>Microberlinia bisulcata</i> , and its possible role in nutrient acquisition. <i>Trees - Structure and Function</i> , 2009, 23, 219-234. | 1.9 | 24 |
| 40 | Seedling survival and growth of three ectomycorrhizal caesalpiniaceous tree species in a Central African rain forest. <i>Journal of Tropical Ecology</i> , 2006, 22, 499-511. | 1.1 | 22 |
| 41 | Interactions between the coccid, <i>Icerya seychellarum</i> (Westw.), and its host tree species on Aldabra Atoll. <i>Oecologia</i> , 1980, 46, 171-179. | 2.0 | 19 |
| 42 | Shade and leaf loss affect establishment of grove-forming ectomycorrhizal rain forest tree species. <i>New Phytologist</i> , 2001, 151, 291-309. | 7.3 | 17 |
| 43 | Ectomycorrhizas and mast fruiting in trees: linked by climate-driven tree resources?. <i>New Phytologist</i> , 2005, 167, 324-326. | 7.3 | 17 |
| 44 | Recruitment dynamics of the grove-dominant tree <i>Microberlinia bisulcata</i> in African rain forest: extending the light response versus adult longevity trade-off concept. <i>Plant Ecology</i> , 2010, 206, 151-172. | 1.6 | 17 |
| 45 | Seed fate and seedling dynamics after masting in two African rain forest trees. <i>Ecological Monographs</i> , 2011, 81, 443-469. | 5.4 | 17 |
| 46 | Infestation of the coccid, <i>Icerya seychellarum</i> (Westw.), on the mangrove <i>Avicennia marina</i> (forsk.) vierh. on Aldabra Atoll, with special reference to tree age. <i>Oecologia</i> , 1980, 45, 325-330. | 2.0 | 16 |
| 47 | Growth responses of understorey trees to drought perturbation in tropical rainforest in Borneo. <i>Forest Ecology and Management</i> , 2011, 262, 2095-2107. | 3.2 | 16 |
| 48 | Herbivores equalize the seedling height growth of three dominant tree species in an African tropical rain forest. <i>Forest Ecology and Management</i> , 2013, 310, 555-566. | 3.2 | 16 |
| 49 | The distribution and abundance of the coccid <i>Icerya seychellarum</i> Westw. on Aldabra atoll. <i>Ecological Entomology</i> , 1980, 5, 115-122. | 2.2 | 14 |
| 50 | Seedling resistance, tolerance and escape from herbivores: insights from co-dominant canopy tree species in a resource-poor African rain forest. <i>Functional Ecology</i> , 2014, 28, 1426-1439. | 3.6 | 13 |
| 51 | Tree architecture in a Bornean lowland rain forest: intraspecific and interspecific patterns. <i>Forestry Sciences</i> , 2001, , 279-292. | 0.4 | 12 |
| 52 | Neighbourhood abundance and small tree survival in a lowland Bornean rainforest. <i>Ecological Research</i> , 2016, 31, 353-366. | 1.5 | 12 |
| 53 | Do fungal pathogens drive density-dependent mortality in established seedlings of two dominant African rain-forest trees?. <i>Journal of Tropical Ecology</i> , 2010, 26, 293-301. | 1.1 | 11 |
| 54 | Limitation of seedling growth by potassium and magnesium supply for two ectomycorrhizal tree species of a Central African rain forest and its implication for their recruitment. <i>Ecology and Evolution</i> , 2016, 6, 125-142. | 1.9 | 11 |

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|----|---|-----|-----------|
| 55 | Density-dependent dynamics of a dominant rain forest tree change with juvenile stage and time of masting. <i>Oecologia</i> , 2016, 181, 207-223. | 2.0 | 10 |
| 56 | Interactions between the coccid, <i>Icerya seychellarum</i> (Westw.) and its host tree species on Aldabra Atoll. <i>Oecologia</i> , 1980, 46, 180-185. | 2.0 | 9 |
| 57 | Progression and stability analysis of rain forest tree growth under environmental stochasticity. <i>Ecosphere</i> , 2017, 8, e01813. | 2.2 | 7 |
| 58 | An Analysis of the Origins and Affinities of the Coccid Fauna (Coccoidea; Homoptera) of Western Indian Ocean Islands, with Special Reference to Aldabra Atoll. <i>Journal of Biogeography</i> , 1982, 9, 223. | 3.0 | 5 |
| 59 | Host-tree susceptibility to the coccid <i>Icerya seychellarum</i> Westw. (Margarodidae: Homoptera) on Aldabra Atoll: the rôle of leaf morphology, chemistry and phenology. <i>Oecologia</i> , 1983, 60, 333-339. | 2.0 | 5 |
| 60 | Effect sizes and standardization in neighbourhood models of forest stands: potential biases and misinterpretations. <i>Methods in Ecology and Evolution</i> , 2015, 6, 1117-1125. | 5.2 | 4 |
| 61 | Preface to Changes and disturbance in tropical rainforest in South-East Asia. A Discussion Meeting held at the Royal Society on 20 and 21 January 1999. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 1999, 354, 1723-1724. | 4.0 | 2 |
| 62 | Micronutrients may influence the efficacy of ectomycorrhizas to support tree seedlings in a lowland African rain forest. <i>Ecosphere</i> , 2019, 10, e02686. | 2.2 | 2 |
| 63 | Change in liana density over 30 years in a Bornean rain forest supports the escape hypothesis. <i>Ecosphere</i> , 2021, 12, e03537. | 2.2 | 2 |
| 64 | Plurality of tree species responses to drought perturbation in Bornean tropical rain forest. , 2008, , 147-167. | | 2 |
| 65 | On the detection of dynamic responses in a drought-perturbed tropical rainforest in Borneo. , 2009, , 267-290. | | 2 |
| 66 | Changes in the distribution of the coccid <i>Icerya seychellarum</i> Westw. on Aldabra Atoll in relation to vegetation density. <i>Atoll Research Bulletin</i> , 1985, 291, 1-11. | 0.2 | 2 |
| 67 | The structure of Leguminosae-Detarioideae dominant rain forest in Korup National Park, Cameroon. <i>Plant Ecology and Evolution</i> , 2021, 154, 376-390. | 0.7 | 2 |
| 68 | Including tree spatial extension in the evaluation of neighborhood competition effects in Bornean rain forest. <i>Ecology and Evolution</i> , 2021, 11, 6195-6222. | 1.9 | 0 |
| 69 | Stem girth changes in response to soil water potential in lowland dipterocarp forest in Borneo: An individualistic time-series analysis. <i>PLoS ONE</i> , 2022, 17, e0270140. | 2.5 | 0 |