

David B Clark

List of Publications by Year in descending order

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Version: 2024-02-01

56
papers

4,742
citations

172207

29
h-index

243296

44
g-index

56
all docs

56
docs citations

56
times ranked

5174
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Life History Diversity of Canopy and Emergent Trees in a Neotropical Rain Forest. <i>Ecological Monographs</i> , 1992, 62, 315-344. | 2.4 | 637 |
| 2 | EDAPHIC FACTORS AND THE LANDSCAPE-SCALE DISTRIBUTIONS OF TROPICAL RAIN FOREST TREES. <i>Ecology</i> , 1999, 80, 2662-2675. | 1.5 | 402 |
| 3 | Edaphic variation and the mesoscale distribution of tree species in a neotropical rain forest. <i>Journal of Ecology</i> , 1998, 86, 101-112. | 1.9 | 313 |
| 4 | Above-ground biomass estimation in closed canopy Neotropical forests using lidar remote sensing: factors affecting the generality of relationships. <i>Global Ecology and Biogeography</i> , 2003, 12, 147-159. | 2.7 | 269 |
| 5 | Annual wood production in a tropical rain forest in NE Costa Rica linked to climatic variation but not to increasing CO ₂ . <i>Global Change Biology</i> , 2010, 16, 747-759. | 4.2 | 222 |
| 6 | Effects of mesoscale environmental heterogeneity and dispersal limitation on floristic variation in rain forest ferns. <i>Journal of Ecology</i> , 2006, 94, 181-195. | 1.9 | 207 |
| 7 | Retrieval of vertical LAI profiles over tropical rain forests using waveform lidar at La Selva, Costa Rica. <i>Remote Sensing of Environment</i> , 2012, 124, 242-250. | 4.6 | 202 |
| 8 | Abundance, growth and mortality of very large trees in neotropical lowland rain forest. <i>Forest Ecology and Management</i> , 1996, 80, 235-244. | 1.4 | 164 |
| 9 | Edaphic and Human Effects on Landscape-Scale Distributions of Tropical Rain Forest Palms. <i>Ecology</i> , 1995, 76, 2581-2594. | 1.5 | 161 |
| 10 | Landscape-scale evaluation of understory light and canopy structures: methods and application in a neotropical lowland rain forest. <i>Canadian Journal of Forest Research</i> , 1996, 26, 747-757. | 0.8 | 156 |
| 11 | Abolishing virginity. <i>Journal of Tropical Ecology</i> , 1996, 12, 735-739. | 0.5 | 154 |
| 12 | ASSESSING THE GROWTH OF TROPICAL RAIN FOREST TREES: ISSUES FOR FOREST MODELING AND MANAGEMENT. , 1999, 9, 981-997. | | 154 |
| 13 | Tropical forest biomass estimation and the fallacy of misplaced concreteness. <i>Journal of Vegetation Science</i> , 2012, 23, 1191-1196. | 1.1 | 148 |
| 14 | Annual Rainfall and Seasonality Predict Paná€ tropical Patterns of Liana Density and Basal Area. <i>Biotropica</i> , 2010, 42, 309-317. | 0.8 | 134 |
| 15 | First direct landscapeá€ scale measurement of tropical rain forest Leaf Area Index, a key driver of global primary productivity. <i>Ecology Letters</i> , 2008, 11, 163-172. | 3.0 | 130 |
| 16 | Fieldá€ quantified responses of tropical rainforest aboveground productivity to increasing CO ₂ and climatic stress, 1997á€ 2009. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2013, 118, 783-794. | 1.3 | 110 |
| 17 | Quantifying mortality of tropical rain forest trees using high-spatial-resolution satellite data. <i>Ecology Letters</i> , 2004, 7, 52-59. | 3.0 | 109 |
| 18 | GETTING TO THE CANOPY: TREE HEIGHT GROWTH IN A NEOTROPICAL RAIN FOREST. <i>Ecology</i> , 2001, 82, 1460-1472. | 1.5 | 100 |

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|----|---|-----|-----------|
| 19 | Application of merged 1-m and 4-m resolution satellite data to research and management in tropical forests. <i>Journal of Applied Ecology</i> , 2003, 40, 592-600. | 1.9 | 88 |
| 20 | Compositional shifts in Costa Rican forests due to climate-driven species migrations. <i>Global Change Biology</i> , 2013, 19, 3472-3480. | 4.2 | 87 |
| 21 | APPLICATION OF 1-M AND 4-M RESOLUTION SATELLITE DATA TO ECOLOGICAL STUDIES OF TROPICAL RAIN FORESTS. , 2004, 14, 61-74. | | 86 |
| 22 | Pervasive canopy dynamics produce short-term stability in a tropical rain forest landscape. <i>Ecology Letters</i> , 2009, 12, 155-164. | 3.0 | 79 |
| 23 | Pan-tropical prediction of forest structure from the largest trees. <i>Global Ecology and Biogeography</i> , 2018, 27, 1366-1383. | 2.7 | 78 |
| 24 | Comparison of direct and indirect methods for assessing leaf area index across a tropical rain forest landscape. <i>Agricultural and Forest Meteorology</i> , 2013, 177, 110-116. | 1.9 | 60 |
| 25 | Tropical Rain Forest Structure, Tree Growth and Dynamics along a 2700-m Elevational Transect in Costa Rica. <i>PLoS ONE</i> , 2015, 10, e0122905. | 1.1 | 54 |
| 26 | Leaf Production and the Cost of Reproduction in the Neotropical Rain Forest Cycad, <i>Zamia Skinneri</i> . <i>Journal of Ecology</i> , 1988, 76, 1153. | 1.9 | 50 |
| 27 | Environmental gradients and the evolution of successional habitat specialization: a test case with 14 Neotropical forest sites. <i>Journal of Ecology</i> , 2015, 103, 1276-1290. | 1.9 | 50 |
| 28 | Environmental and neighbourhood effects on tree fern distributions in a neotropical lowland rain forest. <i>Journal of Vegetation Science</i> , 2007, 18, 13-24. | 1.1 | 38 |
| 29 | Density, Distribution, and Attributes of Tree Cavities in an Old-Growth Tropical Rain Forest. <i>Biotropica</i> , 2008, 40, 241-245. | 0.8 | 35 |
| 30 | Assessing Tropical Forests' Climatic Sensitivities with Long-term Data. <i>Biotropica</i> , 2011, 43, 31-40. | 0.8 | 33 |
| 31 | Canopy area of large trees explains aboveground biomass variations across neotropical forest landscapes. <i>Biogeosciences</i> , 2018, 15, 3377-3390. | 1.3 | 32 |
| 32 | Evaluating the potential of full-waveform lidar for mapping pan-tropical tree species richness. <i>Global Ecology and Biogeography</i> , 2020, 29, 1799-1816. | 2.7 | 31 |
| 33 | Response of an old-growth tropical rainforest to transient high temperature and drought. <i>Global Change Biology</i> , 2013, 19, 3423-3434. | 4.2 | 25 |
| 34 | TREE GROWTH, MORTALITY, PHYSICAL CONDITION, AND MICROSITE IN AN OLD-GROWTH LOWLAND TROPICAL RAIN FOREST. <i>Ecology</i> , 2006, 87, 2132-2132. | 1.5 | 20 |
| 35 | Tropical tree size-frequency distributions from airborne lidar. <i>Ecological Applications</i> , 2020, 30, e02154. | 1.8 | 20 |
| 36 | EDAPHIC FACTORS AND THE LANDSCAPE-SCALE DISTRIBUTIONS OF TROPICAL RAIN FOREST TREES. , 1999, 80, 2662. | | 19 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 37 | Diversity, distribution and dynamics of large trees across an old-growth lowland tropical rain forest landscape. <i>PLoS ONE</i> , 2019, 14, e0224896. | 1.1 | 17 |
| 38 | Canopy height and ground elevation in a mixed-land-use lowland Neotropical rain forest landscape. <i>Ecology</i> , 2009, 90, 3274-3274. | 1.5 | 16 |
| 39 | Topography and Three-Dimensional Structure Can Estimate Tree Diversity along a Tropical Elevational Gradient in Costa Rica. <i>Remote Sensing</i> , 2018, 10, 629. | 1.8 | 11 |
| 40 | Multidecadal stability in tropical rain forest structure and dynamics across an old-growth landscape. <i>PLoS ONE</i> , 2017, 12, e0183819. | 1.1 | 7 |
| 41 | ASSESSING THE GROWTH OF TROPICAL RAIN FOREST TREES: ISSUES FOR FOREST MODELING AND MANAGEMENT. , 1999, 9, 981. | | 6 |
| 42 | TREE GROWTH, MORTALITY, PHYSICAL CONDITION, AND MICROSITE IN OLD-GROWTH LOWLAND TROPICAL RAIN FOREST <i>Ecological Archives E081-003</i> . <i>Ecology</i> , 2000, 81, 294-294. | 1.5 | 5 |
| 43 | Physical structure and biological composition of canopies in tropical secondary and old-growth forests. <i>PLoS ONE</i> , 2021, 16, e0256571. | 1.1 | 5 |
| 44 | SHORT COMMUNICATION Inferring growth rates from leaf display in tropical forest saplings. <i>Journal of Tropical Ecology</i> , 2004, 20, 351-354. | 0.5 | 4 |
| 45 | Quantifying spatial and temporal dynamics of tropical forest structure using high resolution airborne lidar. , 2012, , . | | 4 |
| 46 | Annual tree growth, mortality, physical condition, and microsite in an old-growth tropical rain forest, 1983–2010. <i>Ecology</i> , 2012, 93, 213-213. | 1.5 | 3 |
| 47 | Three decades of annual growth, mortality, physical condition, and microsite for ten tropical rainforest tree species. <i>Ecology</i> , 2018, 99, 1901-1901. | 1.5 | 3 |
| 48 | Annual Tropical Rainforest Productivity Through Two Decades: Complex Responses to Climatic Factors, [CO ₂] and Storm Damage. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2021, 126, e2021JG006557. | 1.3 | 2 |
| 49 | GETTING TO THE CANOPY: TREE HEIGHT GROWTH IN A NEOTROPICAL RAIN FOREST. , 2001, 82, 1460. | | 1 |
| 50 | Spatial and temporal scales of canopy disturbance and recovery across an old-growth tropical rain forest landscape. <i>Ecological Monographs</i> , 2022, 92, . | 2.4 | 1 |
| 51 | A Letter to the <i>ESA Bulletin</i> . <i>Bulletin of the Ecological Society of America</i> , 2010, 91, 281-281. | 0.2 | 0 |
| 52 | Improving Carbon Estimation of Large Tropical Trees by Linking Airborne Lidar Crown Size to Field Inventory. , 2018, , . | | 0 |
| 53 | Title is missing!. , 2019, 14, e0224896. | | 0 |
| 54 | Title is missing!. , 2019, 14, e0224896. | | 0 |

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| 55 | Title is missing!. , 2019, 14, e0224896. | | 0 |
| 56 | Title is missing!. , 2019, 14, e0224896. | | 0 |