

Norman C Duke

List of Publications by Year in descending order

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100
papers

12,053
citations

66234

42
h-index

39575

94
g-index

107
all docs

107
docs citations

107
times ranked

8717
citing authors

#	ARTICLE	IF	CITATIONS
1	Status and distribution of mangrove forests of the world using earth observation satellite data. <i>Global Ecology and Biogeography</i> , 2011, 20, 154-159.	2.7	2,072
2	A World Without Mangroves?. <i>Science</i> , 2007, 317, 41-42.	6.0	1,158
3	The Loss of Species: Mangrove Extinction Risk and Geographic Areas of Global Concern. <i>PLoS ONE</i> , 2010, 5, e10095.	1.1	969
4	Threats to mangroves from climate change and adaptation options: A review. <i>Aquatic Botany</i> , 2008, 89, 237-250.	0.8	855
5	Mangrove production and carbon sinks: A revision of global budget estimates. <i>Global Biogeochemical Cycles</i> , 2008, 22, .	1.9	812
6	Factors Influencing Biodiversity and Distributional Gradients in Mangroves. <i>Global Ecology and Biogeography Letters</i> , 1998, 7, 27.	0.6	649
7	Mangroves as nursery sites: comparisons of the abundance and species composition of fish and crustaceans in mangroves and other nearshore habitats in tropical Australia. <i>Marine Biology</i> , 1987, 96, 193-205.	0.7	369
8	Biological responses to the press and pulse of climate trends and extreme events. <i>Nature Climate Change</i> , 2018, 8, 579-587.	8.1	330
9	Large-scale dieback of mangroves in Australia. <i>Marine and Freshwater Research</i> , 2017, 68, 1816.	0.7	226
10	Mangrove floristics and biogeography. <i>Coastal and Estuarine Studies</i> , 1992, , 63-100.	0.4	225
11	Mangrove fish-communities in tropical Queensland, Australia: Spatial and temporal patterns in densities, biomass and community structure. <i>Marine Biology</i> , 1990, 104, 369-379.	0.7	175
12	Phenological Trends with Latitude in the Mangrove Tree <i>Avicennia Marina</i> . <i>Journal of Ecology</i> , 1990, 78, 113.	1.9	160
13	Oil spill impacts on mangroves: Recommendations for operational planning and action based on a global review. <i>Marine Pollution Bulletin</i> , 2016, 109, 700-715.	2.3	159
14	Global distribution and genetic discontinuities of mangroves “ emerging patterns in the evolution of <i>Rhizophora</i> . <i>Trees - Structure and Function</i> , 2002, 16, 65-79.	0.9	128
15	Combating ecosystem collapse from the tropics to the Antarctic. <i>Global Change Biology</i> , 2021, 27, 1692-1703.	4.2	128
16	Linking spatial metrics and fish catch reveals the importance of coastal wetland connectivity to inshore fisheries in Queensland, Australia. <i>Biological Conservation</i> , 2008, 141, 981-996.	1.9	125
17	Advances and limitations of individual-based models to analyze and predict dynamics of mangrove forests: A review. <i>Aquatic Botany</i> , 2008, 89, 260-274.	0.8	124
18	The origin, diversification and adaptation of a major mangrove clade (<i>Rhizophoreae</i>) revealed by whole-genome sequencing. <i>National Science Review</i> , 2017, 4, 721-734.	4.6	118

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19	Phylogeographic pattern of <i>Rhizophora</i> (Rhizophoraceae) reveals the importance of both vicariance and long-distance oceanic dispersal to modern mangrove distribution. <i>BMC Evolutionary Biology</i> , 2014, 14, 83.	3.2	116
20	Gap creation and regenerative processes driving diversity and structure of mangrove ecosystems. <i>Wetlands Ecology and Management</i> , 2001, 9, 267-279.	0.7	112
21	Water quality in the Great Barrier Reef region: responses of mangrove, seagrass and macroalgal communities. <i>Marine Pollution Bulletin</i> , 2005, 51, 279-296.	2.3	107
22	Recruitment, growth and residence time of fishes in a tropical Australian mangrove system. <i>Estuarine, Coastal and Shelf Science</i> , 1990, 31, 723-743.	0.9	102
23	A systematic revision of the mangrove genus <i>Avicennia</i> (Avicenniaceae) in Australasia*. <i>Australian Systematic Botany</i> , 1991, 4, 299.	0.3	101
24	Vegetation and soil characteristics as indicators of restoration trajectories in restored mangroves. <i>Hydrobiologia</i> , 2013, 720, 1-18.	1.0	101
25	GENETIC STRUCTURE AND EVOLUTION OF SPECIES IN THE MANGROVE GENUS <i>AVICENNIA</i> (AVICENNIACEAE) IN THE INDO-WEST PACIFIC. <i>Evolution; International Journal of Organic Evolution</i> , 1998, 52, 1612-1626.	1.1	98
26	Speciation with gene flow via cycles of isolation and migration: insights from multiple mangrove taxa. <i>National Science Review</i> , 2019, 6, 275-288.	4.6	97
27	Observations on the Floral and Vegetative Phenologies of North-Eastern Australian Mangroves. <i>Australian Journal of Botany</i> , 1984, 32, 87.	0.3	93
28	Herbicides implicated as the cause of severe mangrove dieback in the Mackay region, NE Australia: consequences for marine plant habitats of the GBR World Heritage Area. <i>Marine Pollution Bulletin</i> , 2005, 51, 308-324.	2.3	83
29	The state of legislation and policy protecting Australia's mangrove and salt marsh and their ecosystem services. <i>Marine Policy</i> , 2016, 72, 139-155.	1.5	83
30	Large-Scale Damage to Mangrove Forests Following Two Large Oil Spills in Panama1. <i>Biotropica</i> , 1997, 29, 2-14.	0.8	82
31	Effect of rainfall as a component of climate change on estuarine fish production in Queensland, Australia. <i>Estuarine, Coastal and Shelf Science</i> , 2006, 69, 491-504.	0.9	81
32	Genetic diversity, distributional barriers and rafting continents ? more thoughts on the evolution of mangroves. <i>Hydrobiologia</i> , 1995, 295, 167-181.	1.0	80
33	Effect of Bioremediation on the Microbial Community in Oiled Mangrove Sediments. <i>Marine Pollution Bulletin</i> , 2000, 41, 413-419.	2.3	79
34	Halophytes – A resource for the future. , 2001, 9, 455-456.		78
35	Mangrove Litter Fall in North-Eastern Australia. I. Annual Totals by Component in Selected Species. <i>Australian Journal of Botany</i> , 1981, 29, 547.	0.3	76
36	The relationship of spatial-temporal changes in fringe mangrove extent and adjacent land-use: Case study of Kien Giang coast, Vietnam. <i>Ocean and Coastal Management</i> , 2013, 76, 12-22.	2.0	72

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37	Insect herbivory on mangrove leaves in North Queensland*. Austral Ecology, 1987, 12, 1-7.	0.7	71
38	Physical Determinants of Inter-Estuary Variation in Mangrove Species Richness Around the Tropical Coastline of Australia. Journal of Biogeography, 1987, 14, 9.	1.4	64
39	Mangrove ecosystem services and the potential for carbon revenue programmes in Solomon Islands. Environmental Conservation, 2011, 38, 485-496.	0.7	62
40	Food preference studies and ingestion rate measurements of the mangrove amphipod Parhyale hawaiiensis (Dana). Journal of Experimental Marine Biology and Ecology, 1986, 98, 129-140.	0.7	54
41	Herbicide contamination and the potential impact to seagrass meadows in Hervey Bay, Queensland, Australia. Marine Pollution Bulletin, 2005, 51, 325-334.	2.3	53
42	Dispersant Use and a Bioremediation Strategy as Alternate Means of Reducing Impacts of Large Oil Spills on Mangroves: The Gladstone Field Trials. Marine Pollution Bulletin, 2000, 41, 403-412.	2.3	52
43	Genetic Structure and Evolution of Species in the Mangrove Genus Avicennia (Avicenniaceae) in the Indo-West Pacific. Evolution; International Journal of Organic Evolution, 1998, 52, 1612.	1.1	46
44	Comparative Analysis of the Pattern of Population Genetic Diversity in Three Indo-West Pacific Rhizophora Mangrove Species. Frontiers in Plant Science, 2016, 7, 1434.	1.7	45
45	Aging Rhizophora Seedlings from Leaf Scar Nodes: A Technique for Studying Recruitment and Growth in Mangrove Forests. Biotropica, 1992, 24, 173.	0.8	44
46	Mangrove Floristics and Biogeography Revisited: Further Deductions from Biodiversity Hot Spots, Ancestral Discontinuities, and Common Evolutionary Processes. , 2017, , 17-53.		44
47	Convergent adaptation of the genomes of woody plants at the land-sea interface. National Science Review, 2020, 7, 978-993.	4.6	44
48	Gladstone, Australia Field Studies: Weathering and Degradation of Hydrocarbons in Oiled Mangrove and Salt Marsh Sediments With and Without the Application of an Experimental Bioremediation Protocol. Marine Pollution Bulletin, 2000, 41, 392-402.	2.3	43
49	Winners and losers as mangrove, coral and seagrass ecosystems respond to sea-level rise in Solomon Islands. Environmental Research Letters, 2017, 12, 094009.	2.2	42
50	Extremely low genetic diversity across mangrove taxa reflects past sea level changes and hints at poor future responses. Global Change Biology, 2018, 24, 1741-1748.	4.2	41
51	Evolution of coastal forests based on a full set of mangrove genomes. Nature Ecology and Evolution, 2022, 6, 738-749.	3.4	41
52	Mangrove Distributions in North-East Australia. Journal of Biogeography, 1982, 9, 111.	1.4	40
53	Assessment of vegetation and soil conditions in restored mangroves interrupted by severe tropical typhoon "Chan-hom"™ in the Philippines. Hydrobiologia, 2014, 733, 85-102.	1.0	40
54	Effects of Pleistocene sea-level fluctuations on mangrove population dynamics: a lesson from Sonneratia alba. BMC Evolutionary Biology, 2017, 17, 22.	3.2	38

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55	The genus <i>Rhizophora</i> (Rhizophoraceae) in north-eastern Australia. <i>Australian Journal of Botany</i> , 1979, 27, 657.	0.3	37
56	Effects of Photosystem II inhibiting herbicides on mangroves—preliminary toxicology trials. <i>Marine Pollution Bulletin</i> , 2005, 51, 297-307.	2.3	37
57	Public Perceptions of Mangrove Forests Matter for Their Conservation. <i>Frontiers in Marine Science</i> , 2020, 7, .	1.2	32
58	Phenologies and Litter Fall of Two Mangrove Trees, <i>Sonneratia alba</i> Sm. And <i>S. caseolaris</i> (L.) Engl., And Their Putative Hybrid, <i>S. A—</i> Gulngai N.C. Duke. <i>Australian Journal of Botany</i> , 1988, 36, 473.	0.3	30
59	Mangrove Litter Fall in North-Eastern Australia. II. Periodicity. <i>Australian Journal of Botany</i> , 1981, 29, 555.	0.3	30
60	Genetic discontinuities in a dominant mangrove <i>Rhizophora apiculata</i> (Rhizophoraceae) in the Indo-Malesian region. <i>Journal of Biogeography</i> , 2016, 43, 1856-1868.	1.4	28
61	Growth Rings and Rainfall Correlations in a Mangrove Tree of the Genus <i>Diospyros</i> (Ebenaceae). <i>Australian Journal of Botany</i> , 1981, 29, 135.	0.3	27
62	Rainfall and its possible hysteresis effect on the proportional cover of tropical tidal-wetland mangroves and saltmarsh—saltpans. <i>Marine and Freshwater Research</i> , 2019, 70, 1047.	0.7	25
63	Natural and anthropogenic changes to mangrove distributions in the Pioneer River Estuary (QLD.) <i>Tj ETQq1 1 0.784314 rgBT /Overlo</i>	0.7	24
64	Re-Evaluation of Phylogenetic Relationships among Species of the Mangrove Genus <i>Avicennia</i> from Indo-West Pacific Based on Multilocus Analyses. <i>PLoS ONE</i> , 2016, 11, e0164453.	1.1	24
65	Overlap of eastern and western mangroves in the South-western Pacific: hybridization of all three <i>Rhizophora</i> (&Rhizophoraceae) combinations in New Caledonia. <i>Blumea: Journal of Plant Taxonomy and Plant Geography</i> , 2010, 55, 171-188.	0.1	23
66	Population Genetics in Nonmodel Organisms: II. Natural Selection in Marginal Habitats Revealed by Deep Sequencing on Dual Platforms. <i>Molecular Biology and Evolution</i> , 2011, 28, 2833-2842.	3.5	23
67	<i>Lumnitzera rosea</i> (Combretaceae) – Its Status and Floral Morphology. <i>Journal of the Arnold Arboretum</i> , 1978, 59, 342-351.	0.3	23
68	Morphological variation in the mangrove genus <i>Avicennia</i> in Australasia: Systematic and ecological considerations*. <i>Australian Systematic Botany</i> , 1990, 3, 221.	0.3	22
69	A mangrove hybrid <i>Sonneratia xurama</i> (Sonneratiaceae) from northern Australia and southern New Guinea. <i>Australian Systematic Botany</i> , 1994, 7, 521.	0.3	22
70	Influence of the 2015–2016 El Niño on the record-breaking mangrove dieback along northern Australia coast. <i>Scientific Reports</i> , 2021, 11, 20411.	1.6	22
71	Assessing the oil degradation potential of endogenous microorganisms in tropical marine wetlands. <i>Mangroves and Salt Marshes</i> , 1999, 3, 67-84.	0.6	20
72	Sustained high levels of foliar herbivory of the mangrove <i>Rhizophora stylosa</i> by a moth larva <i>Doratifera stenosa</i> (Limacodidae) in north-eastern Australia. <i>Wetlands Ecology and Management</i> , 2002, 10, 403-419.	0.7	20

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73	Chlorophyll-deficient propagules of <i>Avicennia marina</i> and apparent longer term deterioration of mangrove fitness in oil-polluted sediments. <i>Marine Pollution Bulletin</i> , 2002, 44, 1269-1276.	2.3	20
74	Establishing mollusk colonization and assemblage patterns in planted mangrove stands of different ages in Lingayen Gulf, Philippines. <i>Wetlands Ecology and Management</i> , 2010, 18, 745-754.	0.7	19
75	The Shoreline Video Assessment Method (S-VAM): Using dynamic hyperlapse image acquisition to evaluate shoreline mangrove forest structure, values, degradation and threats. <i>Marine Pollution Bulletin</i> , 2016, 109, 751-763.	2.3	19
76	Colonization and shift of mollusc assemblages as a restoration indicator in planted mangroves in the Philippines. <i>Biodiversity and Conservation</i> , 2017, 26, 865-881.	1.2	19
77	Ancient Geographical Barriers Drive Differentiation among <i>Sonneratia caseolaris</i> Populations and Recent Divergence from <i>S. lanceolata</i> . <i>Frontiers in Plant Science</i> , 2016, 7, 1618.	1.7	18
78	Mangroves: Unusual Forests at the Seas Edge. , 2015, , 1-24.		18
79	Distinct characteristics of canopy gaps in the subtropical mangroves of Moreton Bay, Australia. <i>Estuarine, Coastal and Shelf Science</i> , 2019, 222, 66-80.	0.9	16
80	<i>Bruguiera</i> (<i>Rhizophoraceae</i>) in the Indo-West Pacific: a morphometric assessment of hybridization within single-flowered taxa. <i>Blumea: Journal of Plant Taxonomy and Plant Geography</i> , 2011, 56, 36-48.	0.1	15
81	A Novel Approach to Modelling Mangrove Phenology from Satellite Images: A Case Study from Northern Australia. <i>Remote Sensing</i> , 2020, 12, 4008.	1.8	15
82	Processes and Factors Driving Change in Mangrove Forests: An Evaluation Based on the Mass Dieback Event in Australia's Gulf of Carpentaria. <i>Ecological Studies</i> , 2021, , 221-264.	0.4	14
83	Weathering of hydrocarbons in mangrove sediments: testing the effects of using dispersants to treat oil spills. <i>Organic Geochemistry</i> , 1999, 30, 1273-1286.	0.9	13
84	Mangrove Management, Assessment and Monitoring. , 2015, , 1-29.		13
85	Mangroves. <i>Encyclopedia of Earth Sciences Series</i> , 2011, , 655-663.	0.1	11
86	A systematic revision of the vulnerable mangrove genus <i>Pelliciera</i> (<i>Tetrameristaceae</i>) in equatorial America. <i>Blumea: Journal of Plant Taxonomy and Plant Geography</i> , 2020, 65, 107-120.	0.1	11
87	An endemic mangrove species, <i>Avicennia integra</i> sp. nov. (<i>Avicenniaceae</i>), in northern Australia*. <i>Australian Systematic Botany</i> , 1988, 1, 177.	0.3	8
88	Corrections and updates to the article by Duke et al. (2005) reporting on the unusual occurrence and cause of dieback of the common mangrove species, <i>Avicennia marina</i> , in NE Australia. <i>Marine Pollution Bulletin</i> , 2008, 56, 1668-1670.	2.3	8
89	Nekton communities as indicators of habitat functionality in Philippine mangrove plantations. <i>Marine and Freshwater Research</i> , 2018, 69, 477.	0.7	7
90	Abandoned, lost and discarded fishing gear "ghost nets" are increasing through time in Northern Australia. <i>Marine Pollution Bulletin</i> , 2021, 173, 112959.	2.3	7

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91	Chapter Twenty-One Mud threat to the Great Barrier Reef of Australia. Proceedings in Marine Science, 2002, 4, 533-542.	0.1	6
92	Recolonization of mollusc assemblages in mangrove plantations damaged by Typhoon Chan-hom in the Philippines. Estuarine, Coastal and Shelf Science, 2019, 228, 106365.	0.9	6
93	Genetic diversity, distributional barriers and rafting continents " more thoughts on the evolution of mangroves. , 1995, , 167-181.		6
94	Mangrove Management, Assessment, and Monitoring. , 2016, , 1725-1759.		5
95	Genomic variation patterns of subspecies defined by phenotypic criteria: Analyses of the mangrove species complex, <i>Avicennia marina</i> . Journal of Systematics and Evolution, 2022, 60, 835-847.	1.6	4
96	Population subdivision promoted by a sea-level-change-driven bottleneck: A glimpse from the evolutionary history of the mangrove plant <i>Aegiceras corniculatum</i> . Molecular Ecology, 2022, 31, 780-797.	2.0	4
97	The Role of Hydraulic Failure in a Massive Mangrove Die-Off Event. Frontiers in Plant Science, 2022, 13, 822136.	1.7	3
98	<i>Bruguiera</i> " dungarra, a new hybrid between mangrove species <i>B. exaristata</i> and <i>B. gymnorhiza</i> (Rhizophoraceae) recently discovered in north-east Australia. Blumea: Journal of Plant Taxonomy and Plant Geography, 2018, , .	0.1	2
99	Mangrove Islands. Encyclopedia of Earth Sciences Series, 2011, , 653-655.	0.1	2
100	Mangroves: Unusual Forests at the Seas™ Edge. , 2016, , 1693-1724.		1