

# William D Stock

## List of Publications by Year in descending order

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88  
papers

5,873  
citations

117625

34  
h-index

74163

75  
g-index

90  
all docs

90  
docs citations

90  
times ranked

7988  
citing authors

#	ARTICLE	IF	CITATIONS
1	Fire in Organic-Rich Wetland Sediments: Inorganic Responses in Porewater. <i>Water, Air, and Soil Pollution</i> , 2021, 232, 1.	2.4	1
2	Genetic and ecological consequences of recent habitat fragmentation in a narrow endemic plant species within an urban context. <i>Biodiversity and Conservation</i> , 2021, 30, 3457-3478.	2.6	5
3	Emission factors and composition of PM2.5 from laboratory combustion of five Western Australian vegetation types. <i>Science of the Total Environment</i> , 2020, 703, 134796.	8.0	14
4	Habitat fragmentation restricts insect pollinators and pollen quality in a threatened Proteaceae species. <i>Biological Conservation</i> , 2020, 252, 108824.	4.1	11
5	Emissions of gaseous pollutants from laboratory-based fires of vegetation from five common vegetation types in Western Australia. <i>Atmospheric Pollution Research</i> , 2020, 11, 180-189.	3.8	3
6	Pollen adaptation to ant pollination: a case study from the Proteaceae. <i>Annals of Botany</i> , 2020, 126, 377-386.	2.9	18
7	Environmental drivers and genomic architecture of trait differentiation in fire-adapted <i>Banksia attenuata</i> ecotypes. <i>Journal of Integrative Plant Biology</i> , 2019, 61, 417-432.	8.5	10
8	Isolation, characterization, and cross-amplification of 20 microsatellite markers for <i>Conospermum undulatum</i> (Proteaceae). <i>Applications in Plant Sciences</i> , 2019, 7, e11283.	2.1	8
9	Floral display and habitat fragmentation: Effects on the reproductive success of the threatened mass-flowering <i>Conospermum undulatum</i> (Proteaceae). <i>Ecology and Evolution</i> , 2019, 9, 11494-11503.	1.9	9
10	Implications of <i>Banksia</i> seed reward for conservation and management of Carnaby's cockatoo on the Swan coastal plain, Western Australia. <i>Australian Journal of Zoology</i> , 2019, 67, 12.	1.0	2
11	Using a functional ecology approach to assist plant selection for restoration of Mediterranean woodlands. <i>Forest Ecology and Management</i> , 2018, 424, 1-10.	3.2	15
12	Contemporary Fire Regimes of the Arid Carnarvon Basin Region of Western Australia. <i>Fire</i> , 2018, 1, 51.	2.8	2
13	In vitro assessment of the toxicity of bushfire emissions: A review. <i>Science of the Total Environment</i> , 2017, 603-604, 268-278.	8.0	33
14	The Functional Ecology of Grazing Lawns: How Grazers, Termites, People, and Fire Shape HiP's Savanna Grassland Mosaic. , 2017, , 135-160.		10
15	Specialization to Extremely Low-Nutrient Soils Limits the Nutritional Adaptability of Plant Lineages. <i>American Naturalist</i> , 2017, 189, 684-699.	2.1	29
16	Plants anticipating rain – a challenge for modelling climate change impacts. <i>New Phytologist</i> , 2017, 213, 475-477.	7.3	1
17	Global resource acquisition patterns of invasive and native plant species do not hold at the regional scale in Mediterranean type ecosystems. <i>Biological Invasions</i> , 2017, 19, 1143-1151.	2.4	15
18	Genomic Scans across Three Eucalypts Suggest that Adaptation to Aridity is a Genome-Wide Phenomenon. <i>Genome Biology and Evolution</i> , 2017, 9, 253-265.	2.5	27

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19	Evidence for adaptation and acclimation in a widespread eucalypt of semi-arid Australia. <i>Biological Journal of the Linnean Society</i> , 2017, 121, 484-500.	1.6	32
20	A refined method for estimating capsule crops in individual jarrah ( <i>Eucalyptus marginata</i> ) crowns. <i>Australian Forestry</i> , 2016, 79, 208-216.	0.9	2
21	Citizen science monitoring reveals a significant, ongoing decline of the Endangered Carnaby's black-cockatoo <i>Calyptorhynchus latirostris</i> . <i>Oryx</i> , 2016, 50, 626-635.	1.0	7
22	Foraging by Carnaby's Black-Cockatoo in <i>Banksia</i> woodland on the Swan Coastal Plain, Western Australia. <i>Emu</i> , 2016, 116, 284-293.	0.6	12
23	Plant functional traits of dominant native and invasive species in mediterranean climate ecosystems. <i>Ecology</i> , 2016, 97, 75-83.	3.2	123
24	Rapid root elongation by phreatophyte seedlings does not imply tolerance of water table decline. <i>Trees - Structure and Function</i> , 2015, 29, 815-824.	1.9	12
25	Genome-wide scans reveal cryptic population structure in a dry-adapted eucalypt. <i>Tree Genetics and Genomes</i> , 2015, 11, 1.	1.6	34
26	Plasticity of functional traits varies clinally along a rainfall gradient in <i>Eucalyptus tricarpa</i> . <i>Plant, Cell and Environment</i> , 2014, 37, 1440-1451.	5.7	106
27	Genome-wide scans detect adaptation to aridity in a widespread forest tree species. <i>Molecular Ecology</i> , 2014, 23, 2500-2513.	3.9	95
28	Time since fire influences food resources for an endangered species, Carnaby's cockatoo, in a fire-prone landscape. <i>Biological Conservation</i> , 2014, 175, 1-9.	4.1	28
29	Pine as Fast Food: Foraging Ecology of an Endangered Cockatoo in a Forestry Landscape. <i>PLoS ONE</i> , 2013, 8, e61145.	2.5	32
30	Dynamics of phreatophyte root growth relative to a seasonally fluctuating water table in a Mediterranean-type environment. <i>Oecologia</i> , 2012, 170, 909-916.	2.0	42
31	Dendroecological indicators of historical responses of pines to water and nutrient availability on a superficial aquifer in south-western Australia. <i>Forest Ecology and Management</i> , 2012, 264, 108-114.	3.2	15
32	Interactive effects of altered rainfall and simulated nitrogen deposition on seedling establishment in a global biodiversity hotspot. <i>Oikos</i> , 2012, 121, 2014-2025.	2.7	25
33	Phylogenetic ecology of foliar N and P concentrations and N:P ratios across mediterranean-type ecosystems. <i>Global Ecology and Biogeography</i> , 2012, 21, 1147-1156.	5.8	75
34	Facilitating adaptation of biodiversity to climate change: a conceptual framework applied to the world's largest Mediterranean-climate woodland. <i>Climatic Change</i> , 2012, 110, 227-248.	3.6	89
35	Do grazers alter nitrogen dynamics on grazing lawns in a South African savannah?. <i>African Journal of Ecology</i> , 2011, 49, 62-69.	0.9	44
36	Forces that structure plant communities: quantifying the importance of the mycorrhizal symbiosis. <i>New Phytologist</i> , 2011, 189, 366-370.	7.3	149

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37	Nitrogen deposition effects on Mediterranean-type ecosystems: An ecological assessment. <i>Environmental Pollution</i> , 2011, 159, 2265-2279.	7.5	130
38	Herbivore and nutrient control of lawn and bunch grass distributions in a southern African savanna. <i>Plant Ecology</i> , 2010, 206, 15-27.	1.6	48
39	Rooting theories of plant community ecology in microbial interactions. <i>Trends in Ecology and Evolution</i> , 2010, 25, 468-478.	8.7	666
40	Water stress vulnerability of four <i>Banksia</i> species in contrasting ecohydrological habitats on the Gngangara Mound, Western Australia. <i>Plant, Cell and Environment</i> , 2009, 32, 64-72.	5.7	41
41	Grazing and landscape controls on nitrogen availability across 330 South African savanna sites. <i>Austral Ecology</i> , 2009, 34, 731-740.	1.5	41
42	Global patterns of foliar nitrogen isotopes and their relationships with climate, mycorrhizal fungi, foliar nutrient concentrations, and nitrogen availability. <i>New Phytologist</i> , 2009, 183, 980-992.	7.3	744
43	Browsing and fire interact to suppress tree density in an African savanna. <i>Ecological Applications</i> , 2009, 19, 1909-1919.	3.8	234
44	Historical nitrogen content of bryophyte tissue as an indicator of increased nitrogen deposition in the Cape Metropolitan Area, South Africa. <i>Environmental Pollution</i> , 2009, 157, 938-945.	7.5	27
45	Ecological Engineering by a Mega-Grazer: White Rhino Impacts on a South African Savanna. <i>Ecosystems</i> , 2008, 11, 101-112.	3.4	214
46	Nutrient concentration ratios and co-limitation in South African grasslands. <i>New Phytologist</i> , 2008, 179, 829-836.	7.3	147
47	Assessing nitrogen fixation in mixed- and single-species plantations of <i>Eucalyptus globulus</i> and <i>Acacia mearnsii</i> . <i>Tree Physiology</i> , 2007, 27, 1319-1328.	3.1	69
48	Functional Group Identity Does not Predict Invader Impacts: Differential Effects of Nitrogen-fixing Exotic Plants on Ecosystem Function. <i>Biological Invasions</i> , 2007, 9, 117-125.	2.4	80
49	Effects of water availability, nitrogen supply and atmospheric CO <sub>2</sub> concentrations on plant nitrogen natural abundance values. <i>Functional Plant Biology</i> , 2006, 33, 219.	2.1	17
50	Atmospheric nitrogen deposition in world biodiversity hotspots: the need for a greater global perspective in assessing N deposition impacts. <i>Global Change Biology</i> , 2006, 12, 470-476.	9.5	471
51	Long-term effects of elevated atmospheric CO <sub>2</sub> on species composition and productivity of a southern African C <sub>4</sub> dominated grassland in the vicinity of a CO <sub>2</sub> exhalation. <i>Plant Ecology</i> , 2005, 178, 211-224.	1.6	21
52	Cluster Roots of <i>Leucadendron lauratum</i> (Proteaceae) and <i>Lupinus albus</i> (Fabaceae) Take Up Glycine Intact: An Adaptive Strategy to Low Mineral Nitrogen in Soils?. <i>Annals of Botany</i> , 2005, 96, 1275-1282.	2.9	32
53	Phytochemical changes in leaves of subtropical grasses and fynbos shrubs at elevated atmospheric CO <sub>2</sub> concentrations. <i>Global and Planetary Change</i> , 2005, 47, 181-192.	3.5	18
54	Testing the adaptive nature of radiation: growth form and life history divergence in the African grass genus <i>Ehrharta</i> (Poaceae: Ehrhartoideae). <i>American Journal of Botany</i> , 2004, 91, 1364-1370.	1.7	82

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55	Ecosystem Level Impacts of Invasive <i>Acacia saligna</i> in the South African Fynbos. <i>Restoration Ecology</i> , 2004, 12, 44-51.	2.9	262
56	Title is missing!. <i>Plant Ecology</i> , 2003, 168, 297-307.	1.6	29
57	Title is missing!. <i>Plant and Soil</i> , 2003, 255, 495-502.	3.7	46
58	PHYLOGENETICS OF THE GRASS GENUS <i>EHRHARTA</i> : EVIDENCE FOR RADIATION IN THE SUMMER-ARID ZONE OF THE SOUTH AFRICAN CAPE. <i>Evolution; International Journal of Organic Evolution</i> , 2003, 57, 1008-1021.	2.3	103
59	Field patterns of nodulation in fifteen <i>Aspalathus</i> species and their ecological role in the fynbos vegetation of southern Africa. <i>Basic and Applied Ecology</i> , 2001, 2, 115-125.	2.7	21
60	Declining Trend in the $^{13}\text{C}/^{12}\text{C}$ Ratio of Atmospheric Carbon Dioxide from Tree Rings of South African <i>Widdringtonia cedarbergensis</i> . <i>Quaternary Research</i> , 1999, 52, 229-236.	1.7	45
61	On the uptake of ornithogenic products by plants on the inland mountains of Dronning Maud Land, Antarctica, using stable isotopes. <i>Polar Biology</i> , 1998, 20, 107-111.	1.2	48
62	Bird effects on organic processes in soils from five microhabitats on a nunatak with and without breeding snow petrels in Dronning Maud Land, Antarctica. <i>Polar Biology</i> , 1998, 20, 112-120.	1.2	19
63	An assessment of the dendrochronological potential of two <i>Podocarpus</i> species. <i>Holocene</i> , 1998, 8, 747-750.	1.7	21
64	Natural Abundance of $^{15}\text{N}$ Confirms Insectivorous Habit of <i>Roridula gorgonias</i> , Despite it Having No Proteolytic Enzymes. <i>Annals of Botany</i> , 1998, 82, 387-388.	2.9	26
65	The relationship between ring width measures and precipitation for <i>Widdringtonia cedarbergensis</i> . <i>South African Journal of Botany</i> , 1998, 64, 213-216.	2.5	8
66	Heat stimulated germination in relation to seed characteristics in fynbos legumes of the Western Cape Province, South Africa. <i>South African Journal of Botany</i> , 1997, 63, 129-132.	2.5	25
67	Dry mass allocation, water use efficiency and $^{13}\text{C}$ in clones of <i>Eucalyptus grandis</i> , <i>E. grandis</i> x <i>camaldulensis</i> and <i>E. grandis</i> x <i>nitens</i> grown under two irrigation regimes. <i>Tree Physiology</i> , 1996, 16, 497-502.	3.1	54
68	Fynbos plant communities and vegetation-environment relationships in the Soetanyberg hills, Western Cape. <i>South African Journal of Botany</i> , 1995, 61, 298-305.	2.5	18
69	Impacts of invading $\text{N}_2$ -fixing <i>Acacia</i> species on patterns of nutrient cycling in two Cape ecosystems: evidence from soil incubation studies and $^{15}\text{N}$ natural abundance values. <i>Oecologia</i> , 1995, 101, 375-382.	2.0	207
70	Nonstructural carbohydrate allocation following different frequencies of simulated browsing in three semi-arid shrubs. <i>Oecologia</i> , 1995, 102, 238-245.	2.0	24
71	Relationships Between Water Availability and Selected Vessel Characteristics in <i>Eucalyptus Grandis</i> and Two Hybrids. <i>IAWA Journal</i> , 1995, 16, 269-276.	2.7	26
72	Long-term phosphorus fertilization effects on the litter dynamics of an age sequence of <i>Pinus elliottii</i> plantations in the southern Cape of South Africa. <i>Forest Ecology and Management</i> , 1995, 75, 135-146.	3.2	22

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73	Partitioning of nutrients in <i>Acanthosicyos horridus</i> , a keystone endemic species in the Namib Desert. <i>Journal of Arid Environments</i> , 1994, 26, 233-240.	2.4	15
74	Regrowth and tannin production in woody and succulent karoo shrubs in response to simulated browsing. <i>Oecologia</i> , 1993, 96, 562-568.	2.0	33
75	Variation in water use efficiency and $\delta^{13}\text{C}$ levels in <i>Eucalyptus grandis</i> clones. <i>Journal of Hydrology</i> , 1993, 150, 615-633.	5.4	44
76	Density dependent interactions between VA mycorrhizal fungi and even-aged seedlings of two perennial Fabaceae species. <i>Oecologia</i> , 1992, 91, 281-287.	2.0	62
77	Seed developmental patterns in <i>Banksia attenuata</i> R. Br. and <i>B. loricata</i> C. Gardner in relation to mechanical defence costs. <i>New Phytologist</i> , 1991, 117, 109-114.	7.3	13
78	Influence of Seed Size and Quality on Seedling Development Under Low Nutrient Conditions in Five Australian and South African Members of the Proteaceae. <i>Journal of Ecology</i> , 1990, 78, 1005.	4.0	112
79	The costs of leaving home: ants disperse myrmecochorous seeds to low nutrient sites. <i>Oecologia</i> , 1989, 81, 412-417.	2.0	55
80	Resource Control of Seed Set in <i>Banksia loricata</i> C. Gardner (Proteaceae). <i>Functional Ecology</i> , 1989, 3, 453.	3.6	41
81	Soil nitrogen mineralization in a coastal fynbos succession. <i>Plant and Soil</i> , 1988, 106, 295-298.	3.7	13
82	Seasonal allocation of dry mass and nitrogen in a fynbos endemic Restionaceae species <i>Thamnochortus punctatus</i> Pill.. <i>Oecologia</i> , 1987, 72, 315-320.	2.0	23
83	Soil Nitrogen and the Role of Fire as a Mineralizing Agent in a South African Coastal Fynbos Ecosystem. <i>Journal of Ecology</i> , 1986, 74, 317.	4.0	137
84	Atmospheric input of nitrogen to a coastal fynbos ecosystem of the south-western Cape Province, South Africa. <i>South African Journal of Botany</i> , 1986, 52, 273-276.	2.5	19
85	Atmospheric Deposition of Phosphorus in a Coastal Fynbos Ecosystem of the South-Western Cape, South Africa. <i>Journal of Ecology</i> , 1984, 72, 547.	4.0	28
86	UPTAKE AND ASSIMILATION OF NITRATE AND AMMONIUM BY AN EVERGREEN FYNBOS SHRUB SPECIES <i>PROTEA REPENS</i> L. (PROTEACEAE). <i>New Phytologist</i> , 1984, 97, 261-268.	7.3	31
87	An evaluation of some manual colorimetric methods for the determination of inorganic nitrogen in soil extracts. <i>Communications in Soil Science and Plant Analysis</i> , 1983, 14, 925-936.	1.4	18
88	Extraction of nitrate reductase from members of the South African Proteaceae. <i>South African Journal of Botany</i> , 1982, 1, 124-126.	2.5	6