

Adam G West

List of Publications by Year in descending order

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Version: 2024-02-01

55
papers

7,161
citations

186265

28
h-index

189892

50
g-index

56
all docs

56
docs citations

56
times ranked

8719
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanisms of plant survival and mortality during drought: why do some plants survive while others succumb to drought?. <i>New Phytologist</i> , 2008, 178, 719-739.	7.3	3,232
2	Water extraction times for plant and soil materials used in stable isotope analysis. <i>Rapid Communications in Mass Spectrometry</i> , 2006, 20, 1317-1321.	1.5	451
3	Hydrogen and oxygen isotope ratios in human hair are related to geography. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 2788-2793.	7.1	322
4	Nitrogen isotopes in mammalian herbivores: hair $\delta^{15}\text{N}$ values from a controlled feeding study. <i>International Journal of Osteoarchaeology</i> , 2003, 13, 80-87.	1.2	321
5	Predicting plant vulnerability to drought in biodiverse regions using functional traits. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 5744-5749.	7.1	261
6	Turnover of carbon isotopes in tail hair and breath CO_2 of horses fed an isotopically varied diet. <i>Oecologia</i> , 2004, 139, 11-22.	2.0	222
7	Diverse functional responses to drought in a Mediterranean-type shrubland in South Africa. <i>New Phytologist</i> , 2012, 195, 396-407.	7.3	208
8	Discrepancies between isotope ratio infrared spectroscopy and isotope ratio mass spectrometry for the stable isotope analysis of plant and soil waters. <i>Rapid Communications in Mass Spectrometry</i> , 2010, 24, 1948-1954.	1.5	184
9	Determining biological tissue turnover using stable isotopes: the reaction progress variable. <i>Oecologia</i> , 2007, 151, 175-189.	2.0	145
10	Seasonal variations in moisture use in a piñon-juniper woodland. <i>Oecologia</i> , 2007, 153, 787-798.	2.0	136
11	Drought and resprouting plants. <i>New Phytologist</i> , 2015, 206, 583-589.	7.3	133
12	TRANSPIRATION AND HYDRAULIC STRATEGIES IN A PIÑON-JUNIPER WOODLAND. <i>Ecological Applications</i> , 2008, 18, 911-927.	3.8	119
13	Spatial analysis of hydrogen and oxygen stable isotopes ($\delta^2\text{H}$ and $\delta^{18}\text{O}$) in ground water and tap water across South Africa. <i>Journal of Geochemical Exploration</i> , 2014, 145, 213-222.	3.2	111
14	The Nebulous Ecology of Native Invasions. <i>Trends in Ecology and Evolution</i> , 2017, 32, 814-824.	8.7	106
15	Wood anatomy constrains stomatal responses to atmospheric vapor pressure deficit in irrigated, urban trees. <i>Oecologia</i> , 2008, 156, 13-20.	2.0	101
16	Differential summer water use by <i>Pinus edulis</i> and <i>Juniperus osteosperma</i> reflects contrasting hydraulic characteristics. <i>Tree Physiology</i> , 2007, 27, 1711-1720.	3.1	90
17	Projecting climate change impacts on species distributions in megadiverse South African Cape and Southwest Australian Floristic Regions: Opportunities and challenges. <i>Austral Ecology</i> , 2010, 35, 374-391.	1.5	86
18	Woodland expansion in South African grassy biomes based on satellite observations (1990-2013): general patterns and potential drivers. <i>Global Change Biology</i> , 2017, 23, 2358-2369.	9.5	81

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19	Short-term diet changes revealed using stable carbon isotopes in horse tail-hair. <i>Functional Ecology</i> , 2004, 18, 616-624.	3.6	74
20	Spectral analysis software improves confidence in plant and soil water stable isotope analyses performed by isotope ratio infrared spectroscopy (IRIS). <i>Rapid Communications in Mass Spectrometry</i> , 2011, 25, 2268-2274.	1.5	68
21	The role of epiphytic bryophytes in interception, storage, and the regulated release of atmospheric moisture in a tropical montane cloud forest. <i>Journal of Hydrology</i> , 2017, 548, 665-673.	5.4	63
22	Population structure, physiology and ecohydrological impacts of dioecious riparian tree species of western North America. <i>Oecologia</i> , 2007, 154, 85-93.	2.0	62
23	Experimental evidence for heat plume-induced cavitation and xylem deformation as a mechanism of rapid post-fire tree mortality. <i>New Phytologist</i> , 2016, 211, 828-838.	7.3	52
24	Drought, climate change and vegetation response in the succulent karoo, South Africa. <i>South African Journal of Science</i> , 2009, 105, .	0.7	52
25	Hydraulic redistribution by <i>Protea 'Sylvia'</i> (Proteaceae) facilitates soil water replenishment and water acquisition by an understorey grass and shrub. <i>Functional Plant Biology</i> , 2009, 36, 752.	2.1	47
26	Pacific Ocean-wide Profile of CYP1A1 Expression, Stable Carbon and Nitrogen Isotope Ratios, and Organic Contaminant Burden in Sperm Whale Skin Biopsies. <i>Environmental Health Perspectives</i> , 2011, 119, 337-343.	6.0	37
27	Hydrogen isotope fractionation of leaf wax n-alkanes in southern African soils. <i>Organic Geochemistry</i> , 2017, 109, 1-13.	1.8	37
28	Tree distribution on a steep environmental gradient in an arid savanna. <i>Journal of Biogeography</i> , 2007, 34, 270-278.	3.0	35
29	Plant ecophysiological diversity. , 2014, , 248-272.		29
30	The evaluation of $\delta^{13}\text{C}$ isotopes of trees to determine past regeneration environments. <i>Forest Ecology and Management</i> , 2001, 147, 139-149.	3.2	26
31	Gender-specific patterns of aboveground allocation, canopy conductance and water use in a dominant riparian tree species: <i>Acer negundo</i> . <i>Tree Physiology</i> , 2008, 28, 1383-1394.	3.1	25
32	Impacts of climate change in the Greater Cape Floristic Region. , 2014, , 299-320.		23
33	Can Stable Isotopes and Radiocarbon Dating Provide a Forensic Solution for Curbing Illegal Harvesting of Threatened Cycads?. <i>Journal of Forensic Sciences</i> , 2014, 59, 1541-1551.	1.6	21
34	External heat-pulse method allows comparative sapflow measurements in diverse functional types in a Mediterranean-type shrubland in South Africa. <i>Functional Plant Biology</i> , 2013, 40, 1076.	2.1	20
35	Seasonal variation in tap water $\delta^2\text{H}$ and $\delta^{18}\text{O}$ isotopes reveals two tap water worlds. <i>Scientific Reports</i> , 2020, 10, 13544.	3.3	20
36	Effect of gender on sap flux-scaled transpiration in a dominant riparian tree species: Box elder (<i>Acer</i>)	3.3	18

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37	Regeneration failure and the potential importance of human disturbance in a subtropical forest. <i>Applied Vegetation Science</i> , 2000, 3, 223-232.	1.9	16
38	CO ₂ enrichment does not entirely ameliorate <i>Vachellia karroo</i> drought inhibition: A missing mechanism explaining savanna bush encroachment. <i>Environmental and Experimental Botany</i> , 2018, 155, 98-106.	4.2	16
39	Wind drives nocturnal, but not diurnal, transpiration in <i>Leucospermum conocarpodendron</i> trees: implications for stiling on the Cape Peninsula. <i>Tree Physiology</i> , 2016, 36, 954-966.	3.1	14
40	Isotopic assessment of marine food consumption by natural foraging chacma baboons on the Cape Peninsula, South Africa. <i>American Journal of Physical Anthropology</i> , 2018, 165, 77-93.	2.1	13
41	The relationship between rainfall, water source and growth for an endangered tree. <i>Austral Ecology</i> , 2007, 32, 397-402.	1.5	12
42	Differences in germination response to smoke and temperature cues in "pyrophyte" and "pyrofuge" forms of <i>Erica coccinea</i> (Ericaceae). <i>International Journal of Wildland Fire</i> , 2018, 27, 562.	2.4	12
43	STABLE ISOTOPE RATIOS (¹⁵ N AND ¹³ C) OF SYNTOPIC SHREWS (SOREX). <i>Southwestern Naturalist</i> , 2004, 49, 493-500.	0.1	10
44	New national and regional bryophyte records, 54. <i>Journal of Bryology</i> , 2018, 40, 74-97.	1.2	10
45	Ramification has little impact on shoot hydraulic efficiency in the sexually dimorphic genus <i>Leucadendron</i> (Proteaceae). <i>PeerJ</i> , 2019, 7, e6835.	2.0	9
46	Post-fire summer rainfall differentially affects reseeders and resprouter population recovery in fire-prone shrublands of South Africa. <i>Science of the Total Environment</i> , 2021, 788, 147699.	8.0	8
47	Does a trade-off between growth plasticity and resource conservatism mediate post-fire shrubland responses to rainfall seasonality?. <i>New Phytologist</i> , 2021, 230, 1407-1420.	7.3	7
48	Desiccation tolerance implies costs to productivity but allows survival under extreme drought conditions in Velloziaceae species in campos rupestres. <i>Environmental and Experimental Botany</i> , 2021, 189, 104556.	4.2	6
49	Female and male costs of reproduction must be equal in dioecious Cape plant genus <i>Leucadendron</i> (Proteaceae). <i>Australian Journal of Botany</i> , 2019, 67, 517.	0.6	4
50	<i>Restio</i> culm felling is a consequence of pre-dispersal seed predation by the rodent <i>Rhabdomys pumilio</i> in the Fynbos. <i>South African Journal of Botany</i> , 2017, 112, 123-127.	2.5	3
51	Short communication: Isotopic tracing of stormwater in the urban Liesbeek River. <i>Water S A</i> , 2018, 44, .	0.4	1
52	Does drought limit resprouter recruitment in <i>Erica</i> ? A test using seeder and resprouter seedlings of <i>Erica coccinea</i> . <i>Australian Journal of Botany</i> , 2021, . .	0.6	1
53	Phenological asynchrony between sexes of Restionaceae can explain culm ¹³ C differences. <i>Austral Ecology</i> , 0, . .	1.5	1
54	The Reforestation of Africa?. <i>South African Journal of Science</i> , 2012, 108, .	0.7	0

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55	Questioning the Alienation of Native Species from Invasion Ecology: A Reply to Tong et al.. Trends in Ecology and Evolution, 2018, 33, 235-236.	8.7	0