Michael D Cramer

List of Publications by Year
in descending order

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110	6,405	94433 37	71685 76
papers	citations	h-index	g-index

114	114	114	7565
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Global application of an unoccupied aerial vehicle photogrammetry protocol for predicting aboveground biomass in nonâ€forest ecosystems. Remote Sensing in Ecology and Conservation, 2022, 8, 57-71.	4.3	13
2	Assessing the evidence for aeolian origins of mima-like mounds in South Africa. Catena, 2022, 212, 106041.	5.0	2
3	Biome boundary maintained by intense belowground resource competition in worldâ€™s thinnest-rooted plant community. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	15
4	Plant specialisation may limit climateâ€induced vegetation change to within topographic and edaphic niches on a subâ€Antarctic island. Functional Ecology, 2022, 36, 2636-2648.	3.6	3
5	Does defoliation frequency and severity influence plant productivity? The role of grazing management and soil nutrients. African Journal of Range and Forage Science, 2021, 38, 141-156.	1.4	8
6	Traits related to efficient acquisition and use of phosphorus promote diversification in Proteaceae in phosphorusâ€impoverished landscapes. Plant and Soil, 2021, 462, 67-88.	3.7	26
7	Environmental heterogeneity explains contrasting plant species richness between the South African Cape and southwestern Australia. Journal of Biogeography, 2021, 48, 1875-1888.	3.0	6
8	Mapping soil organic carbon stocks and trends with satellite-driven high resolution maps over South Africa. Science of the Total Environment, 2021, 771, 145384.	8.0	52
9	The role of shade in maintaining alternative stable states between openâ€and closedâ€canopy vegetation. Journal of Ecology, 2021, 109, 3835-3848.	4.0	3
10	Ecophysiological traits of invasive alien Acacia cyclops compared to coâ€occuring native species in Strandveld vegetation of the Cape Floristic Region. Austral Ecology, 2020, 45, 48-59.	1.5	9
11	Faunal input at host plants: Can camel thorn trees use nutrients imported by resident sociable weavers?. Ecology and Evolution, 2020, 10, 11643-11656.	1.9	9
12	Fairy circles in Namibia are assembled from genetically distinct grasses. Communications Biology, 2020, 3, 698.	4.4	3
13	New regionally modelled soil layers improve prediction of vegetation type relative to that based on global soil models. Diversity and Distributions, 2019, 25, 1736-1750.	4.1	14
14	Does a tradeoff between trait plasticity and resource conservatism contribute to the maintenance of alternative stable states?. New Phytologist, 2019, 223, 1809-1819.	7.3	22
15	Rotational grazing management has little effect on remotely-sensed vegetation characteristics across farm fence-line contrasts. Agriculture, Ecosystems and Environment, 2019, 282, 40-48.	5.3	14
16	Contrasting Global Patterns of Spatially Periodic Fairy Circles and Regular Insect Nests in Drylands. Journal of Geophysical Research G: Biogeosciences, 2019, 124, 3327-3342.	3.0	19
17	Are forestâ€shrubland mosaics of the Cape Floristic Region an example of alternate stable states?. Ecography, 2019, 42, 717-729.	4.5	26
18	The contribution of fog to water and nutrient supply to Arthraerua leubnitziae in the central Namib Desert, Namibia. Journal of Arid Environments, 2019, 161, 35-46.	2.4	22

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19	Causes of landscape mega-ripples: The kommetjies of South Africa. Geoderma, 2019, 340, 25-37.	5.1	0
20	Cattle donâ€™t care: Animal behaviour is similar regardless of grazing management in grasslands. Agriculture, Ecosystems and Environment, 2019, 272, 175-187.	5.3	37
21	Correspondence between Î´13C and Î´15N in soils suggests coordinated fractionation processes for soil C and N. Plant and Soil, 2018, 423, 257-271.	3.7	28
22	Quantifying N-loss by root abscission: consequences for wheat N budgets and Î´15N values. Journal of Plant Physiology, 2018, 231, 49-56.	3.5	1
23	Environmental correlates of biomeâ€level floristic turnover in South Africa. Journal of Biogeography, 2017, 44, 1745-1757.	3.0	16
24	Measures of biologically relevant environmental heterogeneity improve prediction of regional plant species richness. Journal of Biogeography, 2017, 44, 579-591.	3.0	29
25	Demographic Bottlenecks and Savanna Tree Abundance. , 2017, , 161-188.		5
26	The role of N efflux and root abscission in determining plant Î´ 15 N. Plant and Soil, 2017, 416, 551-563.	3.7	1
27	Specialization to Extremely Low-Nutrient Soils Limits the Nutritional Adaptability of Plant Lineages. American Naturalist, 2017, 189, 684-699.	2.1	29
28	Implications of historical interactions between herbivory and fire for rangeland management in African savannas. Ecosphere, 2017, 8, e01946.	2.2	38
29	The present and likely past climatic distribution of the termite Microhodotermes viator in relation to the distribution of heuweltjies. Journal of Arid Environments, 2017, 146, 35-43.	2.4	12
30	Edaphic properties enable facilitative and competitive interactions resulting in fairy circle formation. Ecography, 2017, 40, 1210-1220.	4.5	24
31	Evidence for aeolian origins of heuweltjies from buried gravel layers. South African Journal of Science, 2016, 112, 10.	0.7	6
32	The Contribution of Occult Precipitation to Nutrient Deposition on the West Coast of South Africa. PLoS ONE, 2015, 10, e0126225.	2.5	9
33	Differentiation of the biogeochemical niches of legumes and non-legumes in the Cape Floristic Region of South Africa. Plant Ecology, 2015, 216, 1583-1595.	1.6	14
34	Convergence of soil nitrogen isotopes across global climate gradients. Scientific Reports, 2015, 5, 8280.	3.3	127
35	Ecological interpretations of nitrogen isotope ratios of terrestrial plants and soils. Plant and Soil, 2015, 396, 1-26.	3.7	424
36	The distribution and spatial patterning of mima-like mounds in South Africa suggests genesis through vegetation induced aeolian sediment deposition. Journal of Arid Environments, 2015, 119, 16-26.	2.4	37

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37	Competitive resistance of a native shrubland to invasion by the alien invasive tree species, Acacia cyclops. Biological Invasions, 2015, 17, 3563-3577.	2.4	6
38	The Consequences of Precipitation Seasonality for Mediterranean-Ecosystem Vegetation of South Africa. PLoS ONE, 2015, 10, e0144512.	2.5	22
39	Nitrogen regulation of transpiration controls mass-flow acquisition of nutrients. Journal of Experimental Botany, 2014, 65, 159-168.	4.8	94
40	Do hydraulic redistribution and nocturnal transpiration facilitate nutrient acquisition in Aspalathus linearis?. Oecologia, 2014, 175, 1129-1142.	2.0	26
41	Are mima-like mounds the consequence of long-term stability of vegetation spatial patterning?. Palaeogeography, Palaeoclimatology, Palaeoecology, 2014, 409, 72-83.	2.3	37
42	Plant ecophysiological diversity. , 2014, , 248-272.		29
43	Overlap in soil water sources of savanna woody seedlings and grasses. Ecohydrology, 2013, 6, 464-473.	2.4	58
44	N and P colimitation of N2-fixing and N-supplied fynbos legumes from the Cape Floristic Region. Plant and Soil, 2013, 373, 217-228.	3.7	18
45	N-fertilization does not alleviate grass competition induced reduction of growth of African savanna species. Plant and Soil, 2013, 366, 563-574.	3.7	15
46	Nitrogen fertilisation reduces grass-induced N2 fixation of tree seedlings from semi-arid savannas. Plant and Soil, 2013, 365, 307-320.	3.7	26
47	Atmospheric nutrient deposition to the west coast of South Africa. Atmospheric Environment, 2013, 81, 625-632.	4.1	16
48	Soil microbial biomass and the fate of phosphorus during long-term ecosystem development. Plant and Soil, 2013, 367, 225-234.	3.7	176
49	How succulent leaves of Aizoaceae avoid mesophyll conductance limitations of photosynthesis and survive drought. Journal of Experimental Botany, 2013, 64, 5485-5496.	4.8	36
50	Are Namibian â€œFairy Circlesâ€•the Consequence of Self-Organizing Spatial Vegetation Patterning?. PLoS ONE, 2013, 8, e70876.	2.5	65
51	Is leaf pubescence of Cape Proteaceae a xeromorphic or radiation-protective trait?. Australian Journal of Botany, 2012, 60, 104.	0.6	37
52	A physiological analogy of the niche for projecting the potential distribution of plants. Journal of Biogeography, 2012, 39, 2132-2145.	3.0	68
53	Benefits of photosynthesis for insects in galls. Oecologia, 2012, 170, 987-997.	2.0	22
54	Belowground competitive suppression of seedling growth by grass in an African savanna. Plant Ecology, 2012, 213, 1655-1666.	1.6	34

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55	Hard evidence that heuweltjie earth mounds are relictual features produced by differential erosion. Palaeogeography, Palaeoclimatology, Palaeoecology, 2012, 350-352, 189-197.	2.3	33
56	The roles of climate and soil nutrients in shaping the life histories of grasses native to the Cape Floristic Region. Plant and Soil, 2012, 355, 323-340.	3.7	6
57	Unravelling the limits to tree height: a major role for water and nutrient trade-offs. Oecologia, 2012, 169, 61-72.	2.0	26
58	The savannaâ€grassland â€˜treelineâ€™: why donâ€™t savanna trees occur in upland grasslands?. Journal of Ecology, 2012, 100, 381-391.	4.0	66
59	Topâ€down determinants of niche structure and adaptation among African Acacias. Ecology Letters, 2012, 15, 673-679.	6.4	80
60	Ecophysiological traits associated with the competitive ability of invasive Australian acacias. Diversity and Distributions, 2011, 17, 898-910.	4.1	88
61	Savanna tree-grass competition is modified by substrate type and herbivory. Journal of Vegetation Science, 2011, 22, 225-237.	2.2	26
62	Pan evaporation and wind run decline in the Cape Floristic Region of South Africa (1974â€“2005): implications for vegetation responses to climate change. Climatic Change, 2011, 109, 437-452.	3.6	54
63	Intraspecific competition between shrubs in a semi-arid savanna. Plant Ecology, 2011, 212, 701-713.	1.6	20
64	Defoliation depletes the carbohydrate reserves of resprouting Acacia saplings in an African savanna. Plant Ecology, 2011, 212, 2047-2055.	1.6	39
65	Legume seeders of the Cape Floristic Region inhabit more fertile soils than congeneric resproutersâ€”sometimes. Plant Ecology, 2011, 212, 1979-1989.	1.6	20
66	Does phosphate acquisition constrain legume persistence in the fynbos of the Cape Floristic Region?. Plant and Soil, 2010, 334, 33-46.	3.7	51
67	Is the lack of leguminous savanna trees in grasslands of South Africa related to nutritional constraints?. Plant and Soil, 2010, 336, 173-182.	3.7	20
68	Phosphate as a limiting resource: introduction. Plant and Soil, 2010, 334, 1-10.	3.7	49
69	Ecophysiological significance of leaf size variation in Proteaceae from the Cape Floristic Region. Functional Ecology, 2010, 24, 485-492.	3.6	138
70	Growth of N₂â€fixing African savanna Acacia species is constrained by belowâ€ground competition with grass. Journal of Ecology, 2010, 98, 156-167.	4.0	97
71	Supply and demand: sink regulation of sugar accumulation in sugarcane. Journal of Experimental Botany, 2009, 60, 357-364.	4.8	129
72	Juggling carbon: allocation patterns of a dominant tree in a fire-prone savanna. Oecologia, 2009, 160, 235-246.	2.0	138

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73	The importance of nutritional regulation of plant water flux. Oecologia, 2009, 161, 15-24.	2.0	268
74	Why does Dasineura dielsiâ€induced galling of Acacia cyclops not impede vegetative growth?. Journal of Applied Ecology, 2009, 46, 214-222.	4.0	20
75	Maintenance costs of serotiny do not explain weak serotiny. Austral Ecology, 2009, 34, 653-662.	1.5	27
76	A physiological mechanism for the formation of root casts. Palaeogeography, Palaeoclimatology, Palaeoecology, 2009, 274, 125-133.	2.3	66
77	Hydraulic redistribution by Protea 'Sylvia' (Proteaceae) facilitates soil water replenishment and water acquisition by an understorey grass and shrub. Functional Plant Biology, 2009, 36, 752.	2.1	47
78	Nutrient availability moderates transpiration in Ehrharta calycina. New Phytologist, 2008, 179, 1048-1057.	7.3	102
79	Root of edaphically controlled Proteaceae turnover on the Agulhas Plain, South Africa: phosphate uptake regulation and growth. Plant, Cell and Environment, 2008, 31, 1825-1833.	5.7	30
80	Regulation of photosynthesis by sugars in sugarcane leaves. Journal of Plant Physiology, 2008, 165, 1817-1829.	3.5	76
81	Phosphorus toxicity in the Proteaceae: A problem in post-agricultural lands. Scientia Horticulturae, 2008, 117, 357-365.	3.6	56
82	Culm sucrose accumulation promotes physiological decline of mature leaves in ripening sugarcane. Field Crops Research, 2008, 108, 250-258.	5.1	30
83	Changes in Photosynthetic Rates and Gene Expression of Leaves during a Sourceâ€“Sink Perturbation in Sugarcane. Annals of Botany, 2008, 101, 89-102.	2.9	88
84	Does the Prostrate-leaved Geophyte Brunsvigia orientalis Utilize Soil-derived CO2 for Photosynthesis?. Annals of Botany, 2007, 99, 835-844.	2.9	6
85	Putting back what we take out, but how much?. Scientia Horticulturae, 2007, 111, 378-388.	3.6	14
86	Grass competition induces N2fixation in some species of African Acacia. Journal of Ecology, 2007, 95, 1123-1133.	4.0	87
87	PHOTOSYNTHESIS AND SINK ACTIVITY OF WASP-INDUCED GALLS INACACIA PYCNANTHA. Ecology, 2006, 87, 1781-1791.	3.2	72
88	Specialized 'dauciform' roots of Cyperaceae are structurally distinct, but functionally analogous with 'cluster' roots. Plant, Cell and Environment, 2006, 29, 1989-1999.	5.7	109
89	Sink strength regulates photosynthesis in sugarcane. New Phytologist, 2006, 171, 759-770.	7.3	185
90	Root Structure and Functioning for Efficient Acquisition of Phosphorus: Matching Morphological and Physiological Traits. Annals of Botany, 2006, 98, 693-713.	2.9	1,012

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91	The influence of root assimilated inorganic carbon on nitrogen acquisition/assimilation and carbon partitioning. New Phytologist, 2005, 165, 157-169.	7.3	35
92	Physiological changes in white lupin associated with variation in root-zone CO2 concentration and cluster-root P mobilization. Plant, Cell and Environment, 2005, 28, 1203-1217.	5.7	18
93	Root Nitrogen Acquisition and Assimilation. Plant and Soil, 2005, 274, 1-36.	3.7	509
94	Biological Nitrogen Fixation is not a Major Contributor to the Nitrogen Demand of a Commercially Grown South African Sugarcane Cultivar. Plant and Soil, 2005, 277, 85-96.	3.7	46
95	Increasing the utility of genomics in unravelling sucrose accumulation. Field Crops Research, 2005, 92, 149-158.	5.1	55
96	Developmental Physiology of Cluster-Root Carboxylate Synthesis and Exudation in Harsh Hakea. Expression of Phosphoenolpyruvate Carboxylase and the Alternative Oxidase. Plant Physiology, 2004, 135, 549-560.	4.8	160
97	Causes of leaf-tip scorch in the cultivated Protea hybrid â€˜Sylviaâ€™. Scientia Horticulturae, 2004, 103, 65-77.	3.6	6
98	Variation in rootâ€zone CO 2 concentration modifies isotopic fractionation of carbon and nitrogen in tomato seedlings. New Phytologist, 2003, 157, 45-54.	7.3	23
99	Does irrigation influence the growth, yield and water use efficiency of the protea hybrid â€˜Sylviaâ€™ (Protea susannae X Protea eximia)?. South African Journal of Botany, 2003, 69, 135-143.	2.5	4
100	The effect of supplementation of root zone dissolved inorganic carbon on fruit yield and quality of tomatoes (cv â€˜Daniellaâ€™) grown with salinity. Scientia Horticulturae, 2001, 89, 269-289.	3.6	27
101	Elevated root zone dissolved inorganic carbon can ameliorate aluminium toxicity in tomato seedlings. New Phytologist, 2001, 152, 29-39.	7.3	14
102	Title is missing!. Plant and Soil, 2000, 221, 5-11.	3.7	15
103	The influence of dissolved inorganic carbon in the rhizosphere on carbon and nitrogen metabolism in salinityâ€treated tomato plants. New Phytologist, 1999, 142, 441-450.	7.3	20
104	Root respiratory quotient and nitrate uptake in hydroponically grown non-mycorrhizal and mycorrhizal wheat. Mycorrhiza, 1999, 9, 57-60.	2.8	8
105	Do the gas exchange characteristics of alien acacias enable them to successfully invade the fynbos?. South African Journal of Botany, 1999, 65, 232-238.	2.5	11
106	The influence of elevated rhizosphere dissolved inorganic carbon concentrations on respiratory O2 and CO2 flux in tomato roots. Journal of Experimental Botany, 1998, 49, 1977-1985.	4.8	18
107	Enriched rhizosphere CO2 concentrations can ameliorate the influence of salinity on hydroponically grown tomato plants. Physiologia Plantarum, 1995, 94, 425-432.	5.2	51
108	The influence of salinity on the utilization of root anaplerotic carbon and nitrogen metabolism in tomato seedlings. Journal of Experimental Botany, 1995, 46, 1569-1577.	4.8	62

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109	Reduction, assimilation and transport of N in normal and gibberellin-deficient tomato plants. Physiologia Plantarum, 1995, 95, 347-354.	5.2	6
110	Generalist indigenous herbivores resist alien tree invasion: Rhabdomys pumilio limits establishment of Acacia cyclops. Biological Invasions, 0, , 1.	2.4	1