

# Anthony J Davy

## List of Publications by Year in descending order

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98  
papers

4,871  
citations

70961

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102304

66  
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98  
docs citations

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times ranked

4442  
citing authors

#	ARTICLE	IF	CITATIONS
1	Growth and Photosynthetic Responses to Salinity of the Salt-marsh Shrub <i>Atriplex portulacoides</i> . <i>Annals of Botany</i> , 2007, 100, 555-563.	1.4	216
2	Nucleation and Facilitation in Saltmarsh Succession: Interactions between <i>Spartina Maritima</i> and <i>Arthrocnemum Perenne</i> . <i>Journal of Ecology</i> , 1994, 82, 239.	1.9	196
3	<i>Salicornia</i> L. ( <i>Salicornia pusilla</i> J. Woods, <i>S. ramosissima</i> J. Woods, <i>S. europaea</i> L., <i>S. obscura</i> P.W. Ball) Tj ETQq1 1 0.784314 rgBT /Ov <i>Ecology</i> , 2001, 89, 681-707.	1.9	168
4	Salt stimulation of growth and photosynthesis in an extreme halophyte, <i>Arthrocnemum macrostachyum</i> . <i>Plant Biology</i> , 2010, 12, 79-87.	1.8	166
5	Native oak chloroplasts reveal an ancient divide across Europe. <i>Molecular Ecology</i> , 1993, 2, 337-343.	2.0	163
6	Root anchorage and its significance for submerged plants in shallow lakes. <i>Journal of Ecology</i> , 2005, 93, 556-571.	1.9	160
7	Growth and photosynthetic responses to salinity in an extreme halophyte, <i>Sarcocornia fruticosa</i> . <i>Physiologia Plantarum</i> , 2006, 128, 116-124.	2.6	139
8	Validation of biological collections as a source of phenological data for use in climate change studies: a case study with the orchid <i>Ophrys sphegodes</i> . <i>Journal of Ecology</i> , 2011, 99, 235-241.	1.9	138
9	Does managed coastal realignment create saltmarshes with "equivalent biological characteristics" to natural reference sites?. <i>Journal of Applied Ecology</i> , 2012, 49, 1446-1456.	1.9	136
10	Lower limits of <i>Spartina densiflora</i> and <i>S. maritima</i> in a Mediterranean salt marsh determined by different ecophysiological tolerances. <i>Journal of Ecology</i> , 2000, 88, 801-812.	1.9	133
11	Colonization of a newly developing salt marsh: disentangling independent effects of elevation and redox potential on halophytes. <i>Journal of Ecology</i> , 2011, 99, 1350-1357.	1.9	128
12	Silicon alleviates deleterious effects of high salinity on the halophytic grass <i>Spartina densiflora</i> . <i>Plant Physiology and Biochemistry</i> , 2013, 63, 115-121.	2.8	123
13	Population Biology of the Salt Marsh Annual <i>Salicornia Europaea</i> agg.. <i>Journal of Ecology</i> , 1981, 69, 17.	1.9	117
14	Drainage and Elevation as Factors in the Restoration of Salt Marsh in Britain. <i>Restoration Ecology</i> , 2002, 10, 591-602.	1.4	104
15	Predicting the hydraulic forces on submerged macrophytes from current velocity, biomass and morphology. <i>Oecologia</i> , 2000, 123, 445-452.	0.9	91
16	Facilitated invasion by hybridization of <i>Sarcocornia</i> species in a salt-marsh succession. <i>Journal of Ecology</i> , 2003, 91, 616-626.	1.9	84
17	POLYPLOIDY AND HABITAT DIFFERENTIATION IN <i>DESCHAMPSIA CESPITOSA</i> . <i>New Phytologist</i> , 1986, 102, 449-467.	3.5	81
18	Population biology of salt marsh and sand dune annuals. <i>Plant Ecology</i> , 1985, 62, 487-497.	1.2	78

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19	Significance of Sighting Rate in Inferring Extinction and Threat. <i>Conservation Biology</i> , 2006, 20, 562-567.	2.4	77
20	Potential Disruption of Pollination in a Sexually Deceptive Orchid by Climatic Change. <i>Current Biology</i> , 2014, 24, 2845-2849.	1.8	74
21	Seasonal Patterns of Nitrogen Availability in Contrasting Soils in the Chiltern Hills. <i>Journal of Ecology</i> , 1974, 62, 793.	1.9	71
22	Using chloroplast DNA to trace postglacial migration routes of oaks into Britain. <i>Molecular Ecology</i> , 1995, 4, 731-738.	2.0	71
23	Biological Flora of the British Isles: <i>Sarcocornia perennis</i> (Miller) A.J. Scott. <i>Journal of Ecology</i> , 2006, 94, 1035-1048.	1.9	69
24	Water quality as a threat to aquatic plants: discriminating between the effects of nitrate, phosphate, boron and heavy metals on charophytes. <i>New Phytologist</i> , 2011, 189, 1051-1059.	3.5	68
25	Assessment of the risk posed by the antifouling booster biocides Irgarol 1051 and diuron to freshwater macrophytes. <i>Chemosphere</i> , 2006, 63, 734-743.	4.2	66
26	Wave-induced Hydraulic Forces on Submerged Aquatic Plants in Shallow Lakes. <i>Annals of Botany</i> , 2004, 93, 333-341.	1.4	63
27	Regenerative Potential of <i>Elymus Farctus</i> From Rhizome Fragments and Seed. <i>Journal of Ecology</i> , 1986, 74, 1057.	1.9	54
28	Response of Mediterranean Grassland Species to Changing Rainfall. <i>Journal of Ecology</i> , 1991, 79, 925.	1.9	54
29	Biological flora of the British Isles: <i>Cakile maritima</i> Scop.. <i>Journal of Ecology</i> , 2006, 94, 695-711.	1.9	54
30	Seedling Growth in <i>Elymus farctus</i> after Episodes of Burial with Sand. <i>Annals of Botany</i> , 1987, 60, 587-593.	1.4	52
31	Carry-over of Differential Salt Tolerance in Plants Grown from Dimorphic Seeds of <i>Suaeda splendens</i> . <i>Annals of Botany</i> , 2008, 102, 103-112.	1.4	52
32	Effects of excluding grazing on the vegetation and soils of degraded sparse-elm grassland in the Horqin Sandy Land, China. <i>Agriculture, Ecosystems and Environment</i> , 2016, 235, 340-348.	2.5	50
33	Constraints on Salt Marsh Development Following Managed Coastal Realignment: Dispersal Limitation or Environmental Tolerance?. <i>Restoration Ecology</i> , 2012, 20, 65-75.	1.4	49
34	Carbon and Nutrient Allocation in <i>Elymus farctus</i> Seedlings after Burial with Sand. <i>Annals of Botany</i> , 1988, 61, 147-157.	1.4	48
35	<i>Deschampsia Caespitosa</i> (L.) Beauv.. <i>Journal of Ecology</i> , 1980, 68, 1075.	1.9	47
36	Demography of <i>Hieracium Pilosella</i> in a Breck Grassland. <i>Journal of Ecology</i> , 1978, 66, 615.	1.9	44

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37	Hieracium Pilosella L. (Pilosella Officinarum F. Schultz & Schultz-Bip.). Journal of Ecology, 1994, 82, 195.	1.9	44
38	Seedling root establishment may limit Najas marina L. to sediments of low cohesive strength. Aquatic Botany, 2002, 73, 129-136.	0.8	44
39	Tiller dynamics of Spartina maritima in successional and non-successional mediterranean salt marsh. Plant Ecology, 1998, 137, 213-225.	0.7	43
40	Population differentiation in the life-history characteristics of salt-marsh annuals. Plant Ecology, 1985, 61, 117-125.	1.2	42
41	Germination Characteristics of Shingle Beach Species, Effects of Seed Ageing and their Implications for Vegetation Restoration. Journal of Applied Ecology, 1997, 34, 131.	1.9	42
42	How does the propagule bank contribute to cyclic vegetation change in a lakeshore marsh with seasonal drawdown?. Aquatic Botany, 2006, 84, 137-143.	0.8	42
43	Morphological and molecular variation in natural populations of Betula. New Phytologist, 1995, 130, 117-124.	3.5	41
44	Growth and photosynthetic responses of the cordgrass Spartina maritima to CO2 enrichment and salinity. Chemosphere, 2010, 81, 725-731.	4.2	41
45	Vulnerability of a specialized pollination mechanism to climate change revealed by a 356-year analysis. Botanical Journal of the Linnean Society, 2018, 186, 498-509.	0.8	40
46	Genetic variation and adaptation to flooding in plants. Aquatic Botany, 1990, 38, 91-108.	0.8	39
47	Sand Accretion and Salinity as Constraints on the Establishment of Leymus arenarius for Land Reclamation in Iceland. Annals of Botany, 1996, 78, 611-618.	1.4	39
48	Supporting <i>Spartina</i> : Interdisciplinary perspective shows <i>Spartina</i> as a distinct solid genus. Ecology, 2019, 100, e02863.	1.5	39
49	Chlorophyll fluorescence, stress and survival in populations of Mediterranean grassland species. Journal of Vegetation Science, 1997, 8, 881-888.	1.1	38
50	Density and the commitment of apical meristems to clonal growth and reproduction in Hieracium pilosella. Oecologia, 1985, 66, 417-422.	0.9	37
51	Seed Mass and Germination Behaviour in Populations of the Dune-building Grass Leymus arenarius. Annals of Botany, 1995, 76, 493-501.	1.4	36
52	Responses of Leymus arenarius to Nutrients: Improvement of Seed Production and Seedling Establishment for Land Reclamation. Journal of Applied Ecology, 1997, 34, 1165.	1.9	35
53	Temperature effects on seed maturity and dormancy cycles in an aquatic annual, Najas marina, at the edge of its range. Journal of Ecology, 2005, 93, 1185-1193.	1.9	32
54	Environmental limitations on recruitment from seed in invasive Spartina densiflora on a southern European salt marsh. Estuarine, Coastal and Shelf Science, 2008, 79, 727-732.	0.9	32

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55	Germination of <i>Leymus arenarius</i> and its Significance for Land Reclamation in Iceland. <i>Annals of Botany</i> , 1994, 73, 393-401.	1.4	28
56	Significance of Rabbits for the Population Regulation of <i>Hieracium Pilosella</i> in Breckland. <i>Journal of Ecology</i> , 1984, 72, 273.	1.9	27
57	Response of <i>Hieracium Pilosella</i> in Breckland Grass-Heath to Inorganic Nutrients. <i>Journal of Ecology</i> , 1984, 72, 319.	1.9	27
58	<i>Triglochin Maritima</i> L.. <i>Journal of Ecology</i> , 1991, 79, 531.	1.9	26
59	ANALYSIS OF EFFECTS OF THE BIRD CHERRY-OAT APHID ON THE GROWTH OF BARLEY: UNRESTRICTED INFESTATION. <i>New Phytologist</i> , 1978, 80, 209-218.	3.5	25
60	Strandline Colonization by <i>Elymus Farctus</i> in Relation to Sand Mobility and Rabbit Grazing. <i>Journal of Ecology</i> , 1986, 74, 1045.	1.9	25
61	Landscape-scale variation in the seed banks of floodplain wetlands with contrasting hydrology in China. <i>Freshwater Biology</i> , 2006, 51, 1862-1878.	1.2	25
62	The Restoration of Coastal Shingle Vegetation: Effects of Substrate Composition on the Establishment of Seedlings. <i>Journal of Applied Ecology</i> , 1997, 34, 143.	1.9	24
63	Acidifying peat as an aid to the reconstruction of lowland heath on arable soil: a field experiment. <i>Journal of Applied Ecology</i> , 1998, 35, 660-672.	1.9	24
64	Establishment and manipulation of plant populations and communities in terrestrial systems. , 2002, , 223-241.		24
65	VARIATION AND POLYPLOIDY WITHIN LOWLAND POPULATIONS OF THE <i>BETULA PENDULA/B. PUBESCENS</i> COMPLEX. <i>New Phytologist</i> , 1983, 94, 433-451.	3.5	23
66	Environmental determination of shoot height in populations of the cordgrass <i>Spartina maritima</i> . <i>Estuaries and Coasts</i> , 2005, 28, 761-766.	1.7	22
67	Bracteoles affect germination and seedling establishment in a Mediterranean population of <i>Atriplex portulacoides</i> . <i>Aquatic Botany</i> , 2007, 86, 93-96.	0.8	22
68	Geographic variation and local adaptation in <i>Oryza rufipogon</i> across its climatic range in China. <i>Journal of Ecology</i> , 2013, 101, 1498-1508.	1.9	21
69	Water Characteristics of Contrasting Soils in the Chiltern Hills and their Significance for <i>Deschampsia Caespitosa</i> (L.) Beauv.. <i>Journal of Ecology</i> , 1974, 62, 367.	1.9	20
70	Population Status and Habitat Preferences of Critically Endangered <i>Dipterocarpus littoralis</i> in West Nusakambangan, Indonesia. <i>Makara Journal of Science</i> , 2015, 19, .	1.1	20
71	Is saltmarsh restoration success constrained by matching natural environments or altered succession? A test using niche models. <i>Journal of Applied Ecology</i> , 2018, 55, 1207-1217.	1.9	20
72	Ribosomal DNA variation and population differentiation in <i>Salicornia</i> L.. <i>New Phytologist</i> , 1992, 122, 553-565.	3.5	19

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73	Toxic metal enrichment and boating intensity: sediment records of antifoulant copper in shallow lakes of eastern England. <i>Journal of Paleolimnology</i> , 2016, 55, 195-208.	0.8	19
74	Manipulating saltmarsh microtopography modulates the effects of elevation on sediment redox potential and halophyte distribution. <i>Journal of Ecology</i> , 2020, 108, 94-106.	1.9	19
75	Fundamental niche differentiation in subspecies of <i>Sarcocornia perennis</i> on a salt marsh elevational gradient. <i>Marine Ecology - Progress Series</i> , 2007, 347, 15-20.	0.9	19
76	Seasonal Changes in the Inorganic Nutrient Concentrations in <i>Deschampsia Caespitosa</i> (L.) Beauv. in Relation to its Tolerance of Contrasting Soils in the Chiltern Hills. <i>Journal of Ecology</i> , 1975, 63, 27.	1.9	18
77	Carbon dioxide exchange in leaves of <i>Spartina anglica</i> Hubbard. <i>Oecologia</i> , 1975, 20, 351-358.	0.9	18
78	VARIATION DUE TO ENVIRONMENT AND HEREDITY IN BIRCH TRANSPLANTED BETWEEN HEATH AND BOG. <i>New Phytologist</i> , 1984, 97, 489-505.	3.5	18
79	Diurnal and Seasonal Variations in Chlorophyll a Fluorescence in Two Mediterranean-Grassland Species Under Field Conditions. <i>Photosynthetica</i> , 1998, 35, 535-544.	0.9	18
80	Presence of internal photosynthetic cylinder surrounding the stele in stems of the tribe Salicornieae (Chenopodiaceae) from SW Iberian Peninsula. <i>Photosynthetica</i> , 2005, 43, 157-159.	0.9	18
81	Salinity alleviates zinc toxicity in the saltmarsh zinc-accumulator <i>Juncus acutus</i> . <i>Ecotoxicology and Environmental Safety</i> , 2018, 163, 478-485.	2.9	18
82	The Restoration of Coastal Shingle Vegetation: Effects of Substrate on the Establishment of Container Grown Plants. <i>Journal of Applied Ecology</i> , 1997, 34, 154.	1.9	15
83	Primary succession in an Atlantic salt marsh: From intertidal flats to mid-marsh platform in 35 years. <i>Journal of Ecology</i> , 2021, 109, 2909-2921.	1.9	13
84	Acidifying peat as an aid to the reconstruction of lowland heath on arable soil: lysimeter experiments. <i>Journal of Applied Ecology</i> , 1998, 35, 649-659.	1.9	12
85	Life-History Plasticity of Riparian Annual Plants Adapted to Extreme Variations in Water Level: Mesocosm Experiments. <i>River Research and Applications</i> , 2015, 31, 1311-1318.	0.7	8
86	A strategy for identifying introduced provenances and translocations. <i>Forestry</i> , 1997, 70, 211-222.	1.2	7
87	Reference conditions for restoration of heterogeneous Mediterranean wetland are best defined by multiple, hydrologically diverse sites. <i>Restoration Ecology</i> , 2018, 26, 145-155.	1.4	6
88	Seed production and seed quality of the dune building grass <i>Panicum racemosum</i> Spreng. <i>Acta Botanica Brasilica</i> , 1994, 8, 193-203.	0.8	5
89	Effects of Biogas Slurry on Crop Yield, Physicochemical Properties and Aggregation Characteristics of Lime Concretion Soil in Wheat-Maize Rotation in the North China Plain. <i>Journal of Soil Science and Plant Nutrition</i> , 2022, 22, 2406-2417.	1.7	5
90	Flowering Competence after Exposure to Naturally Fluctuating Winter Temperatures in a Perennial Grass, <i>Deschampsia caespitosa</i> (L.) Beauv. <i>Annals of Botany</i> , 1982, 50, 705-715.	1.4	4

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91	Seed dormancy and germination in <i>Dodonaea viscosa</i> (Sapindaceae) from south-western Saudi Arabia. <i>Saudi Journal of Biological Sciences</i> , 2020, 27, 2420-2424.	1.8	4
92	Responses of an emergent macrophyte, <i>Zizania latifolia</i> , to water-level changes in lakes with contrasting hydrological management. <i>Ecological Engineering</i> , 2020, 151, 105814.	1.6	4
93	Disentangling elevation, annual flooding regime and salinity as hydrochemical determinants of halophyte distribution in non-tidal saltmarsh. <i>Annals of Botany</i> , 2020, 126, 277-288.	1.4	4
94	Quantifying local variation in tidal regime using depth-logging fish tags. <i>Estuarine, Coastal and Shelf Science</i> , 2011, 96, 122-122.	0.9	3
95	A re-examination of the <i>Salicornia</i> s ( <i>Amaranthaceae</i> ) of Saudi Arabia and their polymorphs. <i>Saudi Journal of Biological Sciences</i> , 2017, 24, 1588-1600.	1.8	3
96	Professor Arthur J. Willis (1922-2006). <i>Journal of Ecology</i> , 2006, 94, 1049-1051.	1.9	1
97	The Ecology of a Salt Marsh.. <i>Journal of Ecology</i> , 1984, 72, 361.	1.9	0
98	Seed germination characteristics of some medicinally important desert plants from the Arabian Peninsula. <i>Journal of Arid Environments</i> , 2022, 198, 104689.	1.2	0