

Stephan D Flint

List of Publications by Year in descending order

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41
papers

3,342
citations

172207

29
h-index

315357

38
g-index

41
all docs

41
docs citations

41
times ranked

2155
citing authors

#	ARTICLE	IF	CITATIONS
1	Internal filters: Prospects for UV-acclimation in higher plants. <i>Physiologia Plantarum</i> , 1983, 58, 445-450.	2.6	547
2	A meta-analysis of plant field studies simulating stratospheric ozone depletion. <i>Oecologia</i> , 2001, 127, 1-10.	0.9	430
3	PLANT PROTECTIVE RESPONSE TO ENHANCED UV-B RADIATION UNDER FIELD CONDITIONS: LEAF OPTICAL PROPERTIES and PHOTOSYNTHESIS. <i>Photochemistry and Photobiology</i> , 1985, 41, 95-99.	1.3	242
4	A biological spectral weighting function for ozone depletion research with higher plants. <i>Physiologia Plantarum</i> , 2003, 117, 137-144.	2.6	212
5	MORPHOLOGICAL RESPONSES OF CROP AND WEED SPECIES OF DIFFERENT GROWTH FORMS TO ULTRAVIOLET-B RADIATION. <i>American Journal of Botany</i> , 1990, 77, 1354-1360.	0.8	167
6	Ozone depletion, ultraviolet radiation, climate change and prospects for a sustainable future. <i>Nature Sustainability</i> , 2019, 2, 569-579.	11.5	156
7	Linkages between stratospheric ozone, UV radiation and climate change and their implications for terrestrial ecosystems. <i>Photochemical and Photobiological Sciences</i> , 2019, 18, 681-716.	1.6	125
8	Inhibition of hypocotyl elongation by ultraviolet-B radiation in de-etiolating tomato seedlings. I. The photoreceptor. <i>Physiologia Plantarum</i> , 1995, 93, 584-592.	2.6	100
9	Six years of solar UV-B manipulations affect growth of <i>Sphagnum</i> and vascular plants in a Tierra del Fuego peatland. <i>New Phytologist</i> , 2003, 160, 379-389.	3.5	91
10	Photosynthesis Damage and Protective Pigments in Plants from a Latitudinal Arctic/Alpine Gradient Exposed to Supplemental UV-B Radiation in the Field. <i>Arctic and Alpine Research</i> , 1987, 19, 21.	1.3	81
11	Damage and recovery from UV-B exposure in conidia of the entomopathogens <i>Verticillium lecanii</i> and <i>Aphanocladium album</i> . <i>Mycologia</i> , 2002, 94, 912-920.	0.8	79
12	Solar ultraviolet-B radiation influence on <i>Sphagnum</i> bog and <i>Carex</i> fen ecosystems: first field season findings in Tierra del Fuego, Argentina. <i>Global Change Biology</i> , 1999, 5, 225-234.	4.2	74
13	Influence of solar UV-B radiation on peatland microbial communities of southern Argentina. <i>New Phytologist</i> , 2001, 152, 213-221.	3.5	70
14	Global change and biological soil crusts: effects of ultraviolet augmentation under altered precipitation regimes and nitrogen additions. <i>Global Change Biology</i> , 2008, 14, 670-686.	4.2	69
15	Plant response to solar ultraviolet-B radiation in a southern South American <i>Sphagnum</i> peatland. <i>Journal of Ecology</i> , 2002, 90, 704-713.	1.9	68
16	Title is missing!. <i>Plant Ecology</i> , 1997, 128, 67-76.	0.7	63
17	Solar UV-B and visible radiation in tropical forest gaps: measurements partitioning direct and diffuse radiation. <i>Global Change Biology</i> , 1998, 4, 863-870.	4.2	63
18	Field testing of UV biological spectral weighting functions for higher plants. <i>Physiologia Plantarum</i> , 2003, 117, 145-153.	2.6	62

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19	Partial Inhibition of In Vitro Pollen Germination by Simulated Solar Ultraviolet-B Radiation. <i>Ecology</i> , 1984, 65, 792-795.	1.5	61
20	Susceptibility of pollen to UV-B radiation: an assay of 34 taxa. <i>American Journal of Botany</i> , 1998, 85, 360-369.	0.8	59
21	Effects of growth under elevated UV-B on photosynthesis and isoprene emission in <i>Quercus gambelii</i> and <i>Mucuna pruriens</i> . <i>Global Change Biology</i> , 1996, 2, 149-154.	4.2	58
22	Inhibition of hypocotyl elongation by ultraviolet-B radiation in de-etiolating tomato seedlings. II. Time-course, comparison with flavonoid responses and adaptive significance. <i>Physiologia Plantarum</i> , 1995, 93, 593-601.	2.6	54
23	Solar UV-B radiation affects below-ground parameters in a fen ecosystem in Tierra del Fuego, Argentina: implications of stratospheric ozone depletion. <i>Global Change Biology</i> , 2002, 8, 867-871.	4.2	51
24	Scaling Plant Ultraviolet Spectral Responses from Laboratory Action Spectra to Field Spectral Weighting Factors. <i>Journal of Plant Physiology</i> , 1996, 148, 107-114.	1.6	46
25	Rediscovering leaf optical properties: New insights into plant acclimation to solar UV radiation. <i>Plant Physiology and Biochemistry</i> , 2015, 93, 94-100.	2.8	46
26	Early-season effects of supplemented solar UV-B radiation on seedling emergence, canopy structure, simulated stand photosynthesis and competition for light. <i>Global Change Biology</i> , 1995, 1, 43-53.	4.2	42
27	Field Testing of Biological Spectral Weighting Functions for Induction of UV-absorbing Compounds in Higher Plants. <i>Photochemistry and Photobiology</i> , 2004, 79, 399.	1.3	40
28	Adjustments in epidermal UV-transmittance of leaves in shade transitions. <i>Physiologia Plantarum</i> , 2013, 149, 200-213.	2.6	34
29	Diurnal adjustment in ultraviolet sunscreen protection is widespread among higher plants. <i>Oecologia</i> , 2016, 181, 55-63.	0.9	34
30	INFLUENCE OF FLORAL OPTICAL PROPERTIES ON THE ULTRAVIOLET RADIATION ENVIRONMENT OF POLLEN. , 1983, 70, 1416.		26
31	INFLUENCE OF FLORAL OPTICAL PROPERTIES ON THE ULTRAVIOLET RADIATION ENVIRONMENT OF POLLEN. <i>American Journal of Botany</i> , 1983, 70, 1416-1419.	0.8	25
32	Solar UVB and warming affect decomposition and earthworms in a fen ecosystem in Tierra del Fuego, Argentina. <i>Global Change Biology</i> , 2009, 15, 2493-2502.	4.2	19
33	Both Solar UVA and UVB Radiation Impair Conidial Culturability and Delay Germination in the Entomopathogenic Fungus <i>Metarhizium anisopliae</i> . <i>Photochemistry and Photobiology</i> , 2001, 74, 734-739.	1.3	12
34	Title is missing!. <i>Plant Ecology</i> , 2003, 169, 43-51.	0.7	10
35	Plant Responses to Current Solar Ultraviolet-B Radiation and to Supplemented Solar Ultraviolet-B Radiation Simulating Ozone Depletion: An Experimental Comparison. <i>Photochemistry and Photobiology</i> , 2004, 80, 224-230.	1.3	7
36	Use and Evaluation of Biological Spectral UV Weighting Functions for the Ozone Reduction Issue. , 2006, , 71-84.		7

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37	Effects of UVB Irradiance on Conidia and Germinants of the Entomopathogenic Hyphomycete <i>Metarhizium anisopliae</i> : A Study of Reciprocity and Recovery. <i>Photochemistry and Photobiology</i> , 2001, 73, 140-146.	1.3	6
38	Comment on "Extreme environments in the forests of Ushuaia, Argentina" by Hector D'Antoni et al.. <i>Geophysical Research Letters</i> , 2008, 35, .	1.5	3
39	Field Testing of Biological Spectral Weighting Functions for Induction of UV-absorbing Compounds in Higher Plants. <i>Photochemistry and Photobiology</i> , 2004, 79, 399-403.	1.3	2
40	Martyn M. Caldwell, 1941–2021, in memoriam. <i>Physiologia Plantarum</i> , 2021, 173, 663-665.	2.6	1
41	Global change and biological soil crusts: effects of ultraviolet augmentation under altered precipitation regimes and nitrogen additions. <i>Global Change Biology</i> , 2008, 14, 949-949.	4.2	0