Joseph Sullivan

List of Publications by Year
in descending order

64	3,430	126907	144013
papers	citations	33 h-index	57 g-index

67	67	67	2029
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Effects of UV-B radiation on photosynthesis and growth of terrestrial plants. Photosynthesis Research, 1994, 39, 463-473.	2.9	429
2	A Comparison of Multivariate Control Charts for Individual Observations. Journal of Quality Technology, 1996, 28, 398-408.	2.5	208
3	Field Study of the Interaction between Solar Ultraviolet-B Radiation and Drought on Photosynthesis and Growth in Soybean. Plant Physiology, 1990, 92, 141-146.	4.8	194
4	Effects of UV-B radiation on soybean yield and seed quality: a 6-year field study. Physiologia Plantarum, 1990, 80, 5-11.	5.2	178
5	Interaction of Elevated Ultraviolet-B Radiation and CO2 on Productivity and Photosynthetic Characteristics in Wheat, Rice, and Soybean. Plant Physiology, 1990, 94, 470-475.	4.8	173
6	The effects of ultraviolet-B radiation on loblolly pine. Trees - Structure and Function, 1992, 6, 115.	1.9	118
7	Growth and physiological responses of cotton (Gossypium hirsutum L.) to elevated carbon dioxide and ultraviolet-B radiation under controlled environmental conditions. Plant, Cell and Environment, 2003, 26, 771-782.	5.7	113
8	The effects of ultraviolet-B radiation on loblolly pine. I. Growth, photosynthesis and pigment production in greenhouse-grown seedlings. Physiologia Plantarum, 1989, 77, 202-207.	5.2	112
9	Changes in leaf expansion and epidermal screening effectiveness in Liquidambar styraciflua and Pinus taeda in response to UV-B radiation. Physiologia Plantarum, 2008, 98, 349-357.	5.2	99
10	Influence of ultraviolet-B (UV-B) radiation on photosynthetic and growth characteristics in field-grown cassava (Manihot esculentum Crantz). Plant, Cell and Environment, 1993, 16, 73-79.	5.7	92
11	PHYSIOLOGICAL SENSITIVITY OF PLANTS ALONG AN ELEVATIONAL GRADIENT TO UVâ€B RADIATION. American Journal of Botany, 1992, 79, 863-871.	1.7	88
12	Ultraviolet-B effects on stomatal density, water-use efficiency, and stable carbon isotope discrimination in four glasshouse-grown soybean () cultivars. Environmental and Experimental Botany, 2005, 53, 343-355.	4.2	87
13	VARIATION IN UVâ€B SENSITIVITY IN PLANTS FROM A 3,000â€m ELEVATIONAL GRADIENT IN HAWAII. American Journal of Botany, 1992, 79, 737-743.	1.7	82
14	The effects of UVâ€B radiation on epidermal anatomy in loblolly pine (Pinus taedaL.) and Scots pine (Pinus sylvestrisL.). Plant, Cell and Environment, 2000, 23, 461-472.	5.7	80
15	Impact of solar Ultraviolet-B on the proteome in soybean lines differing in flavonoid contents. Phytochemistry, 2008, 69, 38-48.	2.9	80
16	Impact of solar ultraviolet-B radiation on the antioxidant defense system in soybean lines differing in flavonoid contents. Environmental and Experimental Botany, 2008, 63, 39-48.	4.2	77
17	Variation in UV-B Sensitivity in Plants from a 3,000-m Elevational Gradient in Hawaii. American Journal of Botany, 1992, 79, 737.	1.7	77
18	Seasonal variation of pollen collected by honey bees (Apis mellifera) in developed areas across four regions in the United States. PLoS ONE, 2019, 14, e0217294.	2.5	71

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19	Response of three eastern tree species to supplemental UV-B radiation: leaf chemistry and gas exchange. Agricultural and Forest Meteorology, 2003, 120, 219-228.	4.8	65
20	Effects of Ultraviolet-B Irradiation on Seedling Growth in the Pinaceae. American Journal of Botany, 1988, 75, 225.	1.7	63
21	Radiative properties of hardwood leaves to ultraviolet irradiation. International Journal of Biometeorology, 1995, 38, 60-66.	3.0	55
22	Detection of Multiple Change Points from Clustering Individual Observations. Journal of Quality Technology, 2002, 34, 371-383.	2.5	55
23	EFFECTS OF ULTRAVIOLETâ€B IRRADIATION ON SEEDLING GROWTH IN THE PINACEAE. American Journal of Botany, 1988, 75, 225-230.	1.7	51
24	The effects of UV-B radiation on loblolly pine. 3. Interaction with CO2 enhancement. Plant, Cell and Environment, 1994, 17, 311-317.	5.7	51
25	Separation and identification of soybean leaf proteins by two-dimensional gel electrophoresis and mass spectrometry. Phytochemistry, 2006, 67, 2431-2440.	2.9	48
26	Growth and photosynthetic responses of fieldâ€grown sweetgum (Liquidambar styraciflua) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.7	39
27	Possible impacts of changes in UV-B radiation on North American trees and forests. Environmental Pollution, 2005, 137, 380-389.	7.5	39
28	The influence of elevated ultraviolet-B radiation (UV-B) on tissue quality and decomposition of loblolly pine (Pinus taeda L.) needles. Environmental and Experimental Botany, 2000, 44, 231-241.	4.2	37
29	Variability in leaf-level CO2 and water fluxes in Pinus banksiana and Picea mariana in Saskatchewan. Tree Physiology, 1997, 17, 553-561.	3.1	35
30	Leaf Expansion and Development of Photosynthetic Capacity and Pigments in Liquidambar styraciflua (hamamelidaceae)-Effects of UV-B Radiation. American Journal of Botany, 1995, 82, 878.	1.7	35
31	Leaf expansion and development of PHOTOSYNTHETIC CAPACITY AND PIGMENTS IN Liquidambar styraciflua (Hamamelidaceae)â€"EFFECTS OF UVâ€B RADIATION. American Journal of Botany, 1995, 82, 878-885.	1.7	34
32	Plant Responses to Changing Environmental Stress: Cyclobutyl Pyrimidine Dimer Repair in Soybean Leaves. Photochemistry and Photobiology, 1996, 64, 464-468.	2.5	34
33	Title is missing!. Plant Ecology, 1997, 128, 195-206.	1.6	33
34	Coupling Shortâ€Term Changes in Ambient UVâ€B levels with Induction of UVâ€Screening Compounds^{â€}. Photochemistry and Photobiology, 2007, 83, 863-870.	2.5	32
35	Potential Impacts of Increased Solar UV-B on Global Plant Productivity. , 1991, , 625-634.		28
36	Reviewing the Technical Designs for Experiments with Ultravioletâ€B Radiation and Impact on Photosynthesis, DNA and Secondary Metabolism. Journal of Integrative Plant Biology, 2010, 52, 377-387.	8.5	27

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37	Soybean Growth Responses to Enhanced Levels of Ultraviolet-B Radiation Under Greenhouse Conditions. American Journal of Botany, 1987, 74, 975.	1.7	27
38	Adapting control charts for the preliminary analysis of multivariate observations. Communications in Statistics Part B: Simulation and Computation, 1998, 27, 953-979.	1.2	23
39	Initial effects of UV-B radiation on stem surfaces of Stenocereus thurberi (organ pipe cacti). Environmental and Experimental Botany, 2001, 46, 181-187.	4.2	22
40	Changes in vegetation structure and composition of urban and rural forest patches in Baltimore from 1998 to 2015. Forest Ecology and Management, 2019, 454, 117665.	3.2	21
41	SOYBEAN GROWTH RESPONSES TO ENHANCED LEVELS OF ULTRAVIOLETâ€B RADIATION UNDER GREENHOUSE CONDITIONS. American Journal of Botany, 1987, 74, 975-979.	1.7	20
42	Effects of ultraviolet radiation on metabolic rate and fitness ofAedes albopictusandCulex pipiensmosquitoes. PeerJ, 2018, 6, e6133.	2.0	18
43	Potential Vegetation and Carbon Redistribution in Northern North America from Climate Change. Climate, 2016, 4, 2.	2.8	17
44	White oak and red maple tree ring analysis reveals enhanced productivity in urban forest patches. Forest Ecology and Management, 2019, 453, 117626.	3.2	17
45	Effects of ultraviolet-B radiation on soybean yield and seed quality: A six-year field study. Environmental Pollution, 1988, 53, 466-468.	7.5	16
46	The Effects of Ambient Solar UV Radiation on Alkaloid Production by Erythroxylum novogranatense var. novogranatense^{â€}. Photochemistry and Photobiology, 2009, 85, 1156-1161.	2.5	15
47	Growth and Photosynthetic Responses of Field-Grown Sweetgum (Liquidambar styraciflua;) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T	1.7	15
48	Phenylalanine Is Required to Promote Specific Developmental Responses and Prevents Cellular Damage in Response to Ultraviolet Light in Soybean (Glycine max) during the Seed-to-Seedling Transition. PLoS ONE, 2014, 9, e112301.	2.5	14
49	Effects of Elevated Atmospheric CO₂on Competition Between the MosquitoesAedes albopictusandAe. triseriatusvia Changes in Litter Quality and Production. Journal of Medical Entomology, 2013, 50, 521-532.	1.8	12
50	Honey Bee (Apis mellifera) Exposure to Pesticide Residues in Nectar and Pollen in Urban and Suburban Environments from Four Regions of the United States. Environmental Toxicology and Chemistry, 2022, 41, 991-1003.	4.3	12
51	Chlorophyll fluorescence parameters, leaf traits and foliar chemistry of white oak and red maple trees in urban forest patches. Tree Physiology, 2021, 41, 269-279.	3.1	11
52	Resilience: insights from the U.S. LongTerm Ecological Research Network. Ecosphere, 2021, 12, e03434.	2.2	11
53	Effects of increasing UV-B radiation and atmospheric CO2 on photosynthesis and growth: implications for terrestrial ecosystems. , 1997, , 194-206.		7
54	Global evaluation of the Ecosystem Demography model (ED v3.0). Geoscientific Model Development, 2022, 15, 1971-1994.	3.6	7

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55	Photosynthetic and Growth Response of Sugar Maple (Acer saccharum Marsh.) Mature Trees and Seedlings to Calcium, Magnesium, and Nitrogen Additions in the Catskill Mountains, NY, USA. PLoS ONE, 2015, 10, e0136148.	2.5	6
56	Proteomic Analysis of the Pulvinus, a Heliotropic Tissue, in Glycine max. International Journal of Plant Biology, 2014, 5, 4887.	2.6	4
57	Potential Transient Response of Terrestrial Vegetation and Carbon in Northern North America from Climate Change. Climate, 2019, 7, 113.	2.8	4
58	Photosynthesis, fluorescence, and biomass responses of white oak seedlings to urban soil and air temperature effects. Physiologia Plantarum, 2021, 172, 1535-1549.	5.2	4
59	Maximum Value of Hotelling'sT²Statistics Based on the Successive Differences Covariance Matrix Estimator. Communications in Statistics - Theory and Methods, 2009, 38, 471-483.	1.0	3
60	<title>Effects of UV-B radiation on phenolic composition and deposition patterns and leaf physiology in three Eastern tree species</title>. , 2002, , .		1
61	Short-term responses of barley to changes in ambient levels of UV-B radiation and their role in UV protection. , 2003, , .		1
62	Title is missing!. IIE Transactions, 2000, 32, 537-549.	2.1	0
63	Development of UV-B screening compounds in response to variation in ambient levels of UV-B radiation. , 2005, , .		0
64	Assessment of DNA Damage as a Tool to Measure UV-B Tolerance in Soybean Lines Differing in Foliar Flavonoid Composition. , 2010, , 437-457.		0