

Erik S Runkle

List of Publications by Year in descending order

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Version: 2024-02-01

64
papers

2,068
citations

201674

27
h-index

265206

42
g-index

65
all docs

65
docs citations

65
times ranked

1050
citing authors

#	ARTICLE	IF	CITATIONS
1	Far-red radiation promotes growth of seedlings by increasing leaf expansion and whole-plant net assimilation. <i>Environmental and Experimental Botany</i> , 2017, 136, 41-49.	4.2	177
2	Specific Functions of Red, Far Red, and Blue Light in Flowering and Stem Extension of Long-day Plants. <i>Journal of the American Society for Horticultural Science</i> , 2001, 126, 275-282.	1.0	123
3	Promotion of lettuce growth under an increasing daily light integral depends on the combination of the photosynthetic photon flux density and photoperiod. <i>Scientia Horticulturae</i> , 2020, 272, 109565.	3.6	79
4	Growth of Impatiens, Petunia, Salvia, and Tomato Seedlings under Blue, Green, and Red Light-emitting Diodes. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2014, 49, 734-740.	1.0	77
5	Temperature during the day, but not during the night, controls flowering of Phalaenopsis orchids. <i>Journal of Experimental Botany</i> , 2006, 57, 4043-4049.	4.8	75
6	Substituting green or far-red radiation for blue radiation induces shade avoidance and promotes growth in lettuce and kale. <i>Environmental and Experimental Botany</i> , 2019, 162, 383-391.	4.2	70
7	Far-red radiation interacts with relative and absolute blue and red photon flux densities to regulate growth, morphology, and pigmentation of lettuce and basil seedlings. <i>Scientia Horticulturae</i> , 2019, 255, 269-280.	3.6	65
8	A Moderate to High Red to Far-red Light Ratio from Light-emitting Diodes Controls Flowering of Short-day Plants. <i>Journal of the American Society for Horticultural Science</i> , 2013, 138, 167-172.	1.0	61
9	Growth and Acclimation of Impatiens, Salvia, Petunia, and Tomato Seedlings to Blue and Red Light. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2015, 50, 522-529.	1.0	58
10	An intermediate phytochrome photoequilibria from night-interruption lighting optimally promotes flowering of several long-day plants. <i>Environmental and Experimental Botany</i> , 2016, 121, 132-138.	4.2	54
11	Benzyladenine Promotes Flowering in Doritaenopsis and Phalaenopsis Orchids. <i>Journal of Plant Growth Regulation</i> , 2008, 27, 141-150.	5.1	49
12	Spectral effects of light-emitting diodes on plant growth, visual color quality, and photosynthetic photon efficacy: White versus blue plus red radiation. <i>PLoS ONE</i> , 2018, 13, e0202386.	2.5	49
13	Modeling the Effects of Temperature and Photosynthetic Daily Light Integral on Growth and Flowering of <i>Salvia splendens</i> and <i>Tagetes patula</i> . <i>Journal of the American Society for Horticultural Science</i> , 2007, 132, 283-288.	1.0	48
14	Photosynthetic Daily Light Integral during Propagation Influences Rooting and Growth of Cuttings and Subsequent Development of New Guinea Impatiens and Petunia. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2008, 43, 2052-2059.	1.0	47
15	Blue Radiation Interacts with Green Radiation to Influence Growth and Predominantly Controls Quality Attributes of Lettuce. <i>Journal of the American Society for Horticultural Science</i> , 2020, 145, 75-87.	1.0	44
16	Far-red radiation and photosynthetic photon flux density independently regulate seedling growth but interactively regulate flowering. <i>Environmental and Experimental Botany</i> , 2018, 155, 206-216.	4.2	43
17	Flowering of Herbaceous Perennials under Various Night Interruption and Cyclic Lighting Treatments. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 1998, 33, 672-677.	1.0	43
18	Photosynthetic Daily Light Integral Influences Flowering Time and Crop Characteristics of <i>Cyclamen persicum</i> . <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2009, 44, 341-344.	1.0	43

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19	Increasing greenhouse production by spectral-shifting and unidirectional light-extracting photonics. <i>Nature Food</i> , 2021, 2, 434-441.	14.0	40
20	Intermittent Light from a Rotating High-pressure Sodium Lamp Promotes Flowering of Long-day Plants. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2010, 45, 236-241.	1.0	40
21	Photocontrol of Flowering and Extension Growth in the Long-day Plant Pansy. <i>Journal of the American Society for Horticultural Science</i> , 2003, 128, 479-485.	1.0	35
22	Manipulating growth, color, and taste attributes of fresh cut lettuce by greenhouse supplemental lighting. <i>Scientia Horticulturae</i> , 2019, 252, 274-282.	3.6	34
23	Replacing incandescent lamps with compact fluorescent lamps may delay flowering. <i>Scientia Horticulturae</i> , 2012, 143, 56-61.	3.6	31
24	Proposed Product Label for Electric Lamps Used in the Plant Sciences. <i>HortTechnology</i> , 2017, 27, 544-549.	0.9	31
25	Blue radiation attenuates the effects of the red to far-red ratio on extension growth but not on flowering. <i>Environmental and Experimental Botany</i> , 2019, 168, 103871.	4.2	31
26	Modeling Growth and Development of Celosia and Impatiens in Response to Temperature and Photosynthetic Daily Light Integral. <i>Journal of the American Society for Horticultural Science</i> , 2005, 130, 813-818.	1.0	29
27	Quantifying the thermal flowering rates of eighteen species of annual bedding plants. <i>Scientia Horticulturae</i> , 2011, 128, 30-37.	3.6	28
28	Photosynthetic Daily Light Integral During the Seedling Stage Influences Subsequent Growth and Flowering of Celosia, Impatiens, Salvia, Tagetes, and Viola. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2005, 40, 1336-1339.	1.0	28
29	Modeling plant morphology and development of petunia in response to temperature and photosynthetic daily light integral. <i>Scientia Horticulturae</i> , 2011, 129, 313-320.	3.6	27
30	Moderate-intensity blue radiation can regulate flowering, but not extension growth, of several photoperiodic ornamental crops. <i>Environmental and Experimental Botany</i> , 2017, 134, 12-20.	4.2	27
31	Stem extension and subsequent flowering of seedlings grown under a film creating a far-red deficient environment. <i>Scientia Horticulturae</i> , 2002, 96, 257-265.	3.6	25
32	Use of a cyclic high-pressure sodium lamp to inhibit flowering of chrysanthemum and velvet sage. <i>Scientia Horticulturae</i> , 2009, 122, 448-454.	3.6	25
33	Timing and Duration of Supplemental Lighting during the Seedling Stage Influence Quality and Flowering in Petunia and Pansy. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2010, 45, 1332-1337.	1.0	24
34	Diurnal carbohydrate dynamics affect postharvest ethylene responsiveness in portulaca (<i>Portulaca</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 293-299.	6.0	23
35	Comparing Flowering Responses of Long-day Plants under Incandescent and Two Commercial Light-emitting Diode Lamps. <i>HortTechnology</i> , 2014, 24, 490-495.	0.9	23
36	Endogenous carbohydrate status affects postharvest ethylene sensitivity in relation to leaf senescence and adventitious root formation in <i>Pelargonium</i> cuttings. <i>Postharvest Biology and Technology</i> , 2008, 48, 272-282.	6.0	21

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37	Developing flowering rate models in response to mean temperature for common annual ornamental crops. <i>Scientia Horticulturae</i> , 2013, 161, 15-23.	3.6	20
38	Low-intensity blue light in night-interruption lighting does not influence flowering of herbaceous ornamentals. <i>Scientia Horticulturae</i> , 2015, 186, 230-238.	3.6	20
39	Growth Responses of Ornamental Annual Seedlings Under Different Wavelengths of Red Light Provided by Light-emitting Diodes. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2013, 48, 1478-1483.	1.0	20
40	Spectral Effects of Supplemental Greenhouse Radiation on Growth and Flowering of Annual Bedding Plants and Vegetable Transplants. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2017, 52, 1221-1228.	1.0	19
41	Flowering of cyclamen is accelerated by an increase in temperature, photoperiod, and daily light integral. <i>Journal of Horticultural Science and Biotechnology</i> , 2008, 83, 559-562.	1.9	18
42	Growth Responses of Red-Leaf Lettuce to Temporal Spectral Changes. <i>Frontiers in Plant Science</i> , 2020, 11, 571788.	3.6	18
43	Photoperiod and Cold Treatment Regulate Flowering of <i>Rudbeckia fulgida</i> 'Goldsturm'. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 1999, 34, 55-58.	1.0	18
44	Controlling Flowering of Photoperiodic Ornamental Crops with Light-emitting Diode Lamps: A Coordinated Grower Trial. <i>HortTechnology</i> , 2014, 24, 702-711.	0.9	17
45	Seedling Growth Is Similar under Supplemental Greenhouse Lighting from High-pressure Sodium Lamps or Light-emitting Diodes. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2017, 52, 388-394.	1.0	15
46	Regulation of extension growth and flowering of seedlings by blue radiation and the red to far-red ratio of sole-source lighting. <i>Scientia Horticulturae</i> , 2020, 272, 109478.	3.6	15
47	Photosynthetic changes in Cymbidium orchids grown under different intensities of night interruption lighting. <i>Scientia Horticulturae</i> , 2015, 186, 124-128.	3.6	13
48	Regulation of flowering by green light depends on its photon flux density and involves cryptochromes. <i>Physiologia Plantarum</i> , 2019, 166, 762-771.	5.2	12
49	Flowering of <i>Phlox paniculata</i> Is Influenced by Photoperiod and Cold Treatment. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 1998, 33, 1172-1174.	1.0	11
50	Regulation of the Photon Spectrum on Growth and Nutritional Attributes of Baby-Leaf Lettuce at Harvest and during Postharvest Storage. <i>Plants</i> , 2021, 10, 549.	3.5	10
51	Blue radiation signals and saturates photoperiodic flowering of several long-day plants at crop-specific photon flux densities. <i>Scientia Horticulturae</i> , 2020, 271, 109470.	3.6	10
52	Mean Daily Temperature Regulates Plant Quality Attributes of Annual Ornamental Plants. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2014, 49, 574-580.	1.0	10
53	Photocontrol of flowering and stem extension of the intermediate-day plant <i>Echinacea purpurea</i> . <i>Physiologia Plantarum</i> , 2001, 112, 433-441.	5.2	9
54	Effect of Time of Harvest on Postharvest Leaf Abscission in Lantana (<i>Lantana camara</i> L. "Dallas Red"™) Unrooted Cuttings. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2007, 42, 304-308.	1.0	9

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55	Low-temperature storage influences morphological and physiological characteristics of nonrooted cuttings of New Guinea impatiens (<i>Impatiens hawkeri</i>). <i>Postharvest Biology and Technology</i> , 2008, 50, 95-102.	6.0	8
56	Flowering of <i>Leucanthemum</i> 'superbum' 'Snowcap' in Response to Photoperiod and Cold Treatment. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 1998, 33, 1003-1006.	1.0	7
57	Control of Flowering Using Night-Interruption and Day-Extension LED Lighting. , 2016, , 191-201.		6
58	Cold treatment modifies the photoperiodic flowering response of <i>Lobelia</i> 'speciosa'. <i>Scientia Horticulturae</i> , 1999, 80, 247-258.	3.6	5
59	Manipulating Light Quality to Elicit Desirable Plant Growth and Flowering Responses. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 196-200.	0.4	4
60	Indoor production of ornamental seedlings, vegetable transplants, and microgreens. , 2022, , 351-375.		4
61	A high daily light integral can influence photoperiodic flowering responses in long day herbaceous ornamentals. <i>Scientia Horticulturae</i> , 2022, 295, 110897.	3.6	3
62	Indoor lighting effects on plant nutritional compounds. , 2022, , 329-349.		2
63	Phytochrome A does not mediate reduced stem extension from cool day-temperature treatments. <i>Physiologia Plantarum</i> , 1998, 104, 596-602.	5.2	1
64	Recent Developments in Plant Lighting. , 2016, , 233-236.		1