

# Shoko Hikosaka

## List of Publications by Year in descending order

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Version: 2024-02-01

23  
papers

255  
citations

1040056

9  
h-index

996975

15  
g-index

23  
all docs

23  
docs citations

23  
times ranked

224  
citing authors

#	ARTICLE	IF	CITATIONS
1	Development of an Automatic Irrigation Method Using an Image-Based Irrigation System for High-Quality Tomato Production. <i>Agronomy</i> , 2022, 12, 106.	3.0	6
2	Production of High Value-added Plant by Controlling the Root-zone Environment. <i>Shokubutsu Kankyo Kogaku</i> , 2022, 34, 11-13.	0.1	0
3	Optimization of Photosynthetic Photon Flux Density and Light Quality for Increasing Radiation-Use Efficiency in Dwarf Tomato under LED Light at the Vegetative Growth Stage. <i>Plants</i> , 2022, 11, 121.	3.5	14
4	Development of an Irrigation Method with a Cycle of Wiltingâ€Partial Recovery Using an Image-Based Irrigation System for High-Quality Tomato Production. <i>Agronomy</i> , 2022, 12, 1410.	3.0	5
5	Optimal harvest-time to maximize the annual camptothecin production by <i>Ophiorrhiza pumila</i> in a plant factory with artificial light. <i>Journal of Natural Medicines</i> , 2022, 76, 865-872.	2.3	1
6	Effects of Photosynthetic Photon Flux Density and Red/Blue Light Ratio on the Leaf Shape and Concentrations of Functional and Aromatic Compounds in Sweet Basil ( <i>Ocimum basilicum</i> L.). <i>Horticulture Journal</i> , 2021, 90, .	0.8	1
7	Effects of Nocturnal UV-B Irradiation on Growth, Flowering, and Phytochemical Concentration in Leaves of Greenhouse-Grown Red Perilla. <i>Plants</i> , 2021, 10, 1252.	3.5	9
8	Effects of Concentration and Temperature of Nutrient Solution on Growth and Camptothecin Accumulation of <i>Ophiorrhiza pumila</i> . <i>Plants</i> , 2020, 9, 793.	3.5	11
9	Effects of photosynthetic photon flux density and light period on growth and camptothecin accumulation of <i>Ophiorrhiza pumila</i> under controlled environments. <i>J Agricultural Meteorology</i> , 2020, 76, 180-187.	1.5	3
10	Effects of air temperature before harvest on the concentration of human adiponectin in transgenic strawberry fruits. <i>Plant Biotechnology</i> , 2019, 36, 21-27.	1.0	3
11	Effects of nutrient solution temperature on the concentration of major bioactive compounds in red perilla. <i>J Agricultural Meteorology</i> , 2018, 74, 71-78.	1.5	27
12	A Systems Analysis With â€Simplified Source-Sink Modelâ€Reveals Metabolic Reprogramming in a Pair of Source-to-Sink Organs During Early Fruit Development in Tomato by LED Light Treatments. <i>Frontiers in Plant Science</i> , 2018, 9, 1439.	3.6	9
13	Time-course of Growth and Main Bioactive Compound Concentrations in Red Perilla under Low Nutrient Solution Temperature Treatment. <i>Shokubutsu Kankyo Kogaku</i> , 2018, 30, 115-122.	0.1	2
14	Effects of Supplemental Lighting on Growth and Medicinal Compounds of Japanese Honeysuckle ( <i>Lonicera japonica</i> Thunb.). <i>Environmental Control in Biology</i> , 2017, 55, 71-76.	0.7	10
15	Estimation of Lighting Energy Consumption Required for Red Leaf Lettuce Production under Different Blue/Red Ratios and Light Intensity Conditions in a Plant Factory with Artificial Lighting. <i>Shokubutsu Kankyo Kogaku</i> , 2017, 29, 60-67.	0.1	6
16	Effects of varying light quality from single-peak blue and red light-emitting diodes during nursery period on flowering, photosynthesis, growth, and fruit yield of everbearing strawberry. <i>Plant Biotechnology</i> , 2016, 33, 267-276.	1.0	49
17	Effects of Far-Red LED Light on the Growth and Development of Tomato Seedlings in a Closed Seedling Production System. <i>Shokubutsu Kankyo Kogaku</i> , 2015, 27, 61-67.	0.1	2
18	Effects of Exogenous Plant Growth Regulators on Yield, Fruit Growth, and Concentration of Endogenous Hormones in Gynoecious Parthenocarpic Cucumber ( <i>Cucumis sativus</i> L.). <i>Horticulture Journal</i> , 2015, 84, 342-349.	0.8	16

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19	Effects of Post-harvest Storage and Drying Temperatures on Four Medicinal Compounds in the Root of Chinese Licorice ( <i>Glycyrrhiza uralensis</i> ). <i>Environmental Control in Biology</i> , 2014, 51, 149-155.	0.7	5
20	Effects of Light Quality on the Concentration of Human Adiponectin in Transgenic Everbearing Strawberry. <i>Environmental Control in Biology</i> , 2013, 51, 31-33.	0.7	8
21	Response of Ammonia Assimilation in Cucumber Seedlings to Nitrate Stress. <i>Journal of Plant Biology</i> , 2010, 53, 173-179.	2.1	27
22	Effects of Light Period and Light Intensity on Essential Oil Composition of Japanese Mint Grown in a Closed Production System. <i>Environmental Control in Biology</i> , 2010, 48, 141-149.	0.7	13
23	Effects of Ultraviolet Light on Growth, Essential Oil Concentration, and Total Antioxidant Capacity of Japanese Mint. <i>Environmental Control in Biology</i> , 2010, 48, 185-190.	0.7	28