Jae-Hyun Lim

List of Publications by Year in Descending Order

25 papers	789 citations	9 h-index	28 g-index
30 ext. papers	980 ext. citations	2.4 avg, IF	4.57 L-index

#	Paper	IF	Citations
25	Deep Neural Network Model for Calculating Ultraviolet Information with Seasonal Characteristics from Illuminance. *Lecture Notes in Electrical Engineering*, **2021**, 197-203	0.2	
24	Development and Effect Analysis of UVB-LED General Lighting to Support Vitamin D Synthesis. *Applied Sciences (Switzerland)*, **2020**, 10, 889	2.6	0
23	Method of Calculating Short-Wavelength-Ratio-Based Color Temperature Supporting the Measurement of Real-Time Natural Light Characteristics through RGB Sensor. *Sensors*, **2020**, 20,	3.8	1
22	Development of a natural light reproduction system for maintaining the circadian rhythm. *Indoor and Built Environment*, **2020**, 29, 132-144	1.8	5
21	Development of a UV Index Sensor-Based Portable Measurement Device with the EUVB Ratio of Natural Light. *Sensors*, **2019**, 19,	3.8	9
20	Designing Safe General LED Lighting that Provides the UVB Benefits of Sunlight. *Applied Sciences (Switzerland)*, **2019**, 9, 826	2.6	3
19	Development of UVB LED Lighting System Based on UV Dose Calculation Algorithm to Meet Individual Daily UV Dose. *Applied Sciences (Switzerland)*, **2019**, 9, 2479	2.6	9
18	Natural Light Property-Based LED Lighting System to Maintain Human Circadian Rhythm. *IOP Conference Series: Materials Science and Engineering*, **2019**, 630, 012019	0.4	1
17	Development of local area alert system against particulate matters and ultraviolet rays based on open IoT platform with P2P. *Peer-to-Peer Networking and Applications*, **2018**, 11, 1240-1251	3.1	9
16	Development of Portable Spectrometer supporting, Automatic Control of Integration Time. *Research Journal of Pharmacy and Technology*, **2018**, 11, 4619	1.7	2
15	Design of Lighting Control System Considering Lighting Uniformity and Discomfort Glare for Indoor Space **2018**,		2
14	Multi-objective context-adaptive natural lighting system. *Energy and Buildings*, **2017**, 144, 61-73	7	9
13	A Development of a Lighting Control System Based on Context-Awareness for the Improvement of Learning Efficiency in Classroom. *Wireless Personal Communications*, **2016**, 86, 165-181	1.9	11
12	Implementation of smartphone-based color temperature and wavelength control LED lighting system. *Cluster Computing*, **2016**, 19, 949-966	2.1	10
11	Implementation of context prediction system based on event recurrence time. *Cluster Computing*, **2016**, 19, 1671-1682	2.1	
10	Improvement of uniformity in cultivation environment and crop growth rate by hybrid control of air flow devices. *Journal of Central South University*, **2015**, 22, 4702-4708	2.1	2
9	Lighting Control System Based on the RTP of Smart Grid in WSN. *International Journal of Distributed Sensor Networks*, **2015**, 11, 571429	1.7	2

LIST OF PUBLICATIONS

8	Design and Implementation of the Natural Light Reproduction System Based on Context Awareness in WSN. *International Journal of Distributed Sensor Networks*, **2015**, 11, 781584	1.7	3
7	Design and implementation of an integrated management system in a plant factory to save energy. *Cluster Computing*, **2014**, 17, 727-740	2.1	5
6	Minimization of temperature ranges between the top and bottom of an air flow controlling device through hybrid control in a plant factory. *Scientific World Journal, The*, **2014**, 2014, 801590	2.2	2
5	LED context lighting system in residential areas. *Scientific World Journal, The*, **2014**, 2014, 851930	2.2	9
4	Design and implementation of smart home energy management systems based on zigbee. *IEEE Transactions on Consumer Electronics*, **2010**, 56, 1417-1425	4.8	322
3	Smart home energy management system using IEEE 802.15.4 and zigbee. *IEEE Transactions on Consumer Electronics*, **2010**, 56, 1403-1410	4.8	368
2	Development of safe UVB-LED special lighting to support daily recommended vitamin D synthesis: convergence approach of health and UVB-LED lighting. *Personal and Ubiquitous Computing*,1	2.1	1
1	Development and effect analysis of circadian rhythm-assisted LED lighting for reproducing short-wavelength ratio characteristics of natural light. *International Journal of Electrical Engineering and Education*,002072092098848	0.6	1