

An-Seop Choi

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

446
citations

759055

12
h-index

752573

20
g-index

32
all docs

32
docs citations

32
times ranked

359
citing authors

#	ARTICLE	IF	CITATIONS
1	The characteristics of photosensors and electronic dimming ballasts in daylight responsive dimming systems. <i>Building and Environment</i> , 2005, 40, 39-50.	3.0	60
2	Evaluation of optimized PV power generation and electrical lighting energy savings from the PV blind-integrated daylight responsive dimming system using LED lighting. <i>Solar Energy</i> , 2014, 107, 746-757.	2.9	44
3	Development of a Colour Quality Assessment Tool for indoor luminous environments affecting the circadian rhythm of occupants. <i>Building and Environment</i> , 2017, 126, 252-265.	3.0	34
4	Application of the space syntax theory to quantitative street lighting design. <i>Building and Environment</i> , 2006, 41, 355-366.	3.0	26
5	Performance of integrated systems of automated roller shade systems and daylight responsive dimming systems. <i>Building and Environment</i> , 2011, 46, 747-757.	3.0	23
6	Platform design for lifelog-based smart lighting control. <i>Building and Environment</i> , 2020, 185, 107267.	3.0	21
7	Toward the accuracy of prediction for energy savings potential and system performance using the daylight responsive dimming system. <i>Energy and Buildings</i> , 2016, 133, 271-280.	3.1	19
8	Development and verification of a slat control method for a bi-directional PV blind. <i>Applied Energy</i> , 2017, 206, 1321-1333.	5.1	18
9	Development of a daylight responsive dimming system and preliminary evaluation of system performance. <i>Building and Environment</i> , 2000, 35, 663-676.	3.0	17
10	Recommendation of indoor luminous environment for occupants using big data analysis based on machine learning. <i>Building and Environment</i> , 2021, 198, 107835.	3.0	16
11	Evaluation of UR-UVGI System for Sterilization Effect on Microorganism Contamination in Negative Pressure Isolation Ward. <i>Sustainability</i> , 2018, 10, 3192.	1.6	14
12	Cloud-based lighting control systems: Fatigue analysis and recommended luminous environments. <i>Building and Environment</i> , 2022, 214, 108947.	3.0	14
13	A Comparison of the Visual Comfort Probability and Unified Glare Rating Systems. <i>Leukos</i> , 1999, 28, 94-101.	0.3	11
14	Practical applications of form factor computation in lighting calculations. <i>Building and Environment</i> , 2002, 37, 1107-1115.	3.0	11
15	Rational-design process and evaluation of street-lighting design for apartment complexes. <i>Building and Environment</i> , 2007, 42, 3001-3013.	3.0	10
16	Applying micro genetic algorithm to numerical model for luminous intensity distribution of planar prism LED luminaire. <i>Optics Communications</i> , 2013, 293, 22-30.	1.0	9
17	Simulation and perceptual evaluation of fashion shop lighting design with application of exhibition lighting techniques. <i>Building Simulation</i> , 2016, 9, 641-658.	3.0	9
18	Evaluation of the visibility of colored objects under led lighting with various correlated color temperatures. <i>Color Research and Application</i> , 2017, 42, 78-88.	0.8	8

#	ARTICLE	IF	CITATIONS
19	Accuracy evaluation of a calculation tool based on the spectral colour property of indoor luminous environments. <i>Building and Environment</i> , 2018, 139, 157-169.	3.0	7
20	Analysis of UGR Values and Results of UGR Calculations in Commercial Lighting Simulation Software. <i>LEUKOS - Journal of Illuminating Engineering Society of North America</i> , 2015, 11, 141-154.	1.5	6
21	High-Performance Accuracy of Daylight-Responsive Dimming Systems with Illuminance by Distant Luminaires for Energy-Saving Buildings. <i>Energies</i> , 2019, 12, 731.	1.6	6
22	Preliminary study on luminous intensity distribution modeling of the dome pendent prismatic luminaire and application of optimization techniques. <i>Building and Environment</i> , 2007, 42, 1173-1182.	3.0	5
23	Overall Heat Transfer Coefficient of a Korean Traditional Building Envelope Estimated Through Heat Flux Measurement. <i>Journal of Asian Architecture and Building Engineering</i> , 2011, 10, 263-270.	1.2	4
24	Energy Saving Potentials of a 100% Outdoor Air System Integrated with Indirect and Direct Evaporative Coolers for Clean Rooms. <i>Journal of Asian Architecture and Building Engineering</i> , 2012, 11, 399-405.	1.2	4
25	A Preliminary Study on the Performance of Daylight Responsive Dimming Systems with Improved Closed-Loop Control Algorithm. <i>LEUKOS - Journal of Illuminating Engineering Society of North America</i> , 2011, 8, 41-59.	1.5	3
26	Simulation-based analysis of luminous environment of OLED lighting-integrated blinds for PV"OLED blind systems. <i>Building and Environment</i> , 2022, 211, 108765.	3.0	3
27	Luminous Characteristics of Shading Materials for Office Buildings: Perforated Panels vs. Fabric Blinds. <i>LEUKOS - Journal of Illuminating Engineering Society of North America</i> , 2010, 6, 227-240.	1.5	2
28	A Preliminary Quantitative Approach to the Measurement of Advertising Effects for Architectural Outdoor Lighting. <i>LEUKOS - Journal of Illuminating Engineering Society of North America</i> , 2008, 4, 187-199.	1.5	1
29	Development of a Numerical Model for the Luminous Intensity Distribution of a Planar Prism LED Luminaire for Applying an Optimization Algorithm. <i>LEUKOS - Journal of Illuminating Engineering Society of North America</i> , 2012, 9, 57-72.	1.5	1
30	A preliminary Study and suggested Evaluation Methodology for the Improved Fashion Shop Lighting Design using Museum Lighting Design. <i>Journal of the Korean Institute of Illuminating and Electrical Installation Engineers</i> , 2015, 29, 37-46.	0.0	1
31	A method to facilitate affordance perception and actualization for improving the usability of smart plugs. <i>Building and Environment</i> , 2022, 217, 109095.	3.0	0