An-Seop Choi

List of Publications by Citations

31 papers	310 citations	9 h-index	16 g-index
32 ext. papers	371 ext. citations	5 avg, IF	3.37 L-index

#	Paper	IF	Citations
31	The characteristics of photosensors and electronic dimming ballasts in daylight responsive dimming systems. *Building and Environment*, **2005**, 40, 39-50	6.5	48
30	Evaluation of optimized PV power generation and electrical lighting energy savings from the PV blind-integrated daylight responsive dimming system using LED lighting. *Solar Energy*, **2014**, 107, 746-757	6.8	33
29	Development of a Colour Quality Assessment Tool for indoor luminous environments affecting the circadian rhythm of occupants. *Building and Environment*, **2017**, 126, 252-265	6.5	26
28	Performance of integrated systems of automated roller shade systems and daylight responsive dimming systems. *Building and Environment*, **2011**, 46, 747-757	6.5	19
27	Application of the space syntax theory to quantitative street lighting design. *Building and Environment*, **2006**, 41, 355-366	6.5	18
26	Development of a daylight responsive dimming system and preliminary evaluation of system performance. *Building and Environment*, **2000**, 35, 663-676	6.5	15
25	Toward the accuracy of prediction for energy savings potential and system performance using the daylight responsive dimming system. *Energy and Buildings*, **2016**, 133, 271-280	7	14
24	Development and verification of a slat control method for a bi-directional PV blind. *Applied Energy*, **2017**, 206, 1321-1333	10.7	10
23	Platform design for lifelog-based smart lighting control. *Building and Environment*, **2020**, 185, 107267	6.5	9
22	Applying micro genetic algorithm to numerical model for luminous intensity distribution of planar prism LED luminaire. *Optics Communications*, **2013**, 293, 22-30	2	8
21	Practical applications of form factor computation in lighting calculations. *Building and Environment*, **2002**, 37, 1107-1115	6.5	8
20	A Comparison of the Visual Comfort Probability and Unified Glare Rating Systems. *Leukos*, **1999**, 28, 94-101		8
19	Evaluation of UR-UVGI System for Sterilization Effect on Microorganism Contamination in Negative Pressure Isolation Ward. *Sustainability*, **2018**, 10, 3192	3.6	8
18	Evaluation of the visibility of colored objects under led lighting with various correlated color temperatures. *Color Research and Application*, **2017**, 42, 78-88	1.3	7
17	Rational-design process and evaluation of street-lighting design for apartment complexes. *Building and Environment*, **2007**, 42, 3001-3013	6.5	7
16	Simulation and perceptual evaluation of fashion shop lighting design with application of exhibition lighting techniques. *Building Simulation*, **2016**, 9, 641-658	3.9	7
15	High-Performance Accuracy of Daylight-Responsive Dimming Systems with Illuminance by Distant Luminaires for Energy-Saving Buildings. *Energies*, **2019**, 12, 731	3.1	6

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14	Accuracy evaluation of a calculation tool based on the spectral colour property of indoor luminous environments. *Building and Environment*, **2018**, 139, 157-169	6.5	6
13	Preliminary study on luminous intensity distribution modeling of the dome pendent prismatic luminaire and application of optimization techniques. *Building and Environment*, **2007**, 42, 1173-1182	6.5	5
12	Analysis of UGR Values and Results of UGR Calculations in Commercial Lighting Simulation Software. *LEUKOS - Journal of Illuminating Engineering Society of North America*, **2015**, 11, 141-154	3.5	3
11	Overall Heat Transfer Coefficient of a Korean Traditional Building Envelope Estimated Through Heat Flux Measurement. *Journal of Asian Architecture and Building Engineering*, **2011**, 10, 263-270	1	3
10	A Preliminary Study on the Performance of Daylight Responsive Dimming Systems with Improved Closed-Loop Control Algorithm. *LEUKOS - Journal of Illuminating Engineering Society of North America*, **2011**, 8, 41-59	3.5	3
9	Recommendation of indoor luminous environment for occupants using big data analysis based on machine learning. *Building and Environment*, **2021**, 198, 107835	6.5	3
8	Energy Saving Potentials of a 100% Outdoor Air System Integrated with Indirect and Direct Evaporative Coolers for Clean Rooms. *Journal of Asian Architecture and Building Engineering*, **2012**, 11, 399-405	1	2
7	Development of a Numerical Model for the Luminous Intensity Distribution of a Planar Prism LED Luminaire for Applying an Optimization Algorithm. *LEUKOS - Journal of Illuminating Engineering Society of North America*, **2012**, 9, 57-72	3.5	1
6	A Preliminary Quantitative Approach to the Measurement of Advertising Effects for Architectural Outdoor Lighting. *LEUKOS - Journal of Illuminating Engineering Society of North America*, **2008**, 4, 187-199	3.5	1
5	A preliminary Study and suggested Evaluation Methodology for the Improved Fashion Shop Lighting Design using Museum Lighting Design. *Journal of the Korean Institute of Illuminating and Electrical Installation Engineers*, **2015**, 29, 37-46	0	1
4	Cloud-based lighting control systems: Fatigue analysis and recommended luminous environments. *Building and Environment*, **2022**, 214, 108947	6.5	1
3	Luminous Characteristics of Shading Materials for Office Buildings: Perforated Panels vs. Fabric Blinds. *LEUKOS - Journal of Illuminating Engineering Society of North America*, **2010**, 6, 227-240	3.5	0
2	Simulation-based analysis of luminous environment of OLED lighting-integrated blinds for PV□LED blind systems. *Building and Environment*, **2022**, 211, 108765	6.5	
1	A method to facilitate affordance perception and actualization for improving the usability of smart plugs. *Building and Environment*, **2022**, 217, 109095	6.5	