Integrated design and real-time implementation of an adaptive, predictive light controller

DOI: 10.1177/1477153512445713
Lighting Research and Technology, 2012, 44, 459-476.

#	Paper	IF	Citations
18	Smart intelligent control of current source for high power LED diodes. *Microelectronics Journal*, **2013**, 44, 307-314	1.8	15
17	Smart indoor lighting systems with luminaire-based sensing: A review of lighting control approaches. *Energy and Buildings*, **2015**, 104, 369-377	7	108
16	Management Optimization of the Luminous Flux Regulation of a Lighting System in Road Tunnels. A First Approach to the Exertion of Predictive Control Systems. *Sustainability*, **2016**, 8, 1092	3.6	22
15	An experimental survey of feedback control methodologies for advanced lighting systems. *Energy and Buildings*, **2016**, 130, 600-612	7	10
14	Adaptive lighting controllers using smart sensors. *International Journal of Sustainable Energy*, **2016**, 35, 537-553	2.7	3
13	. *IEEE Transactions on Industrial Informatics*, **2016**, 12, 301-309	11.9	25
12	A review of open loop control strategies for shades, blinds and integrated lighting by use of real-time daylight prediction methods. *Building and Environment*, **2018**, 135, 352-364	6.5	49
11	Smart Lighting Control Systems. *Advances in Industrial Control*, **2018**, 221-251	0.3	1
10	Data Analytic Models for Lighting Energy Sensitivity Analysis of Building. **2018**,		
9	Office Lighting Simulation: Energy implications with scheduled occupancy and daylight harvesting. **2018**,		0
8	Development of Greenhouse LED System with RedlBlue Mixing Ratio and Daylight Control. **2018**,		3
7	Daylight-Artificial Light Integrated Scheme Based on Digital Camera and Wireless Networked Sensing-Actuation System. *IEEE Transactions on Consumer Electronics*, **2019**, 65, 284-292	4.8	6
6	A data-driven approach for the control of a daylight□artificial light integrated scheme. *Lighting Research and Technology*, **2020**, 52, 292-313	2	5
5	. *IEEE Transactions on Industrial Electronics*, **2020**, 67, 3033-3042	8.9	10
4	Ensemble Learning Model-Based Test Workbench for the Optimization of Building Energy Performance and Occupant Comfort. *IEEE Access*, **2020**, 8, 96075-96087	3.5	6
3	The use of algorithms for light control. **2016**, 375-395		
2	Optimizing daylight glare and circadian entrainment in a Daylight-Artificial Light Integrated scheme. *IEEE Access*, **2022**, 1-1	3.5	0

1 MACHINE LEARNING MODEL FOR GLARE PREDICTION IN OFFICES WITH SIMPLE ARCHITECTURAL FEATURES. **2022**, 17, 79-97 0