

Rizki A Mangkuto

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

33 papers	337 citations	10 h-index	18 g-index
39 ext. papers	405 ext. citations	3.9 avg, IF	4.21 L-index

#	Paper	IF	Citations
33	Design Optimisation of Fixed and Adaptive Shading Devices on Four Fa�ade Orientations of a High-Rise Office Building in the Tropics. <i>Buildings</i> , 2022 , 12, 25	3.2	2
32	Spectral reflectance and chromaticity differences of various colors of interior finishing material samples under tunable LED lamps. <i>Journal of Building Engineering</i> , 2021 , 44, 103280	5.2	0
31	Theoretical Impact of Building Fa�ade Thickness on Daylight Metrics and Lighting Energy Demand in Buildings: A Case Study of the Tropics. <i>Buildings</i> , 2021 , 11, 656	3.2	0
30	Parallax errors in cubic illuminance measurement. <i>Lighting Research and Technology</i> , 2020 , 52, 915-936	2	
29	The Impact of Courtyard and Street Canyon Surroundings on Global Illuminance and Estimated UV Index in the Tropics. <i>Journal of Daylighting</i> , 2020 , 7, 167-185	1.6	2
28	Mitigation of even harmonics in the Fourier components of vertical illuminance around a reference point. <i>Lighting Research and Technology</i> , 2020 , 52, 675-691	2	1
27	Error and Uncertainty Analyses of Reference and Sample Reflectances Measured with Substitution Integrating Spheres. <i>LEUKOS - Journal of Illuminating Engineering Society of North America</i> , 2020 , 1-14	3.5	2
26	Research note: The accuracy of the mean spherical semi-cubic illuminance approach for determining scalar illuminance. <i>Lighting Research and Technology</i> , 2020 , 52, 151-158	2	10
25	Uncertainty Analysis of Cylindrical Illuminance Approximation. <i>LEUKOS - Journal of Illuminating Engineering Society of North America</i> , 2020 , 16, 267-278	3.5	5
24	Design optimisation of internal shading device in multiple scenarios: Case study in Bandung, Indonesia. <i>Journal of Building Engineering</i> , 2019 , 24, 100745	5.2	12
23	Optimisation of luminance-based metrics for lighting in an open-plan dental examination room considering psycho-physiological response of dentists. <i>Optical Review</i> , 2019 , 26, 162-178	0.9	
22	A comparison of three approaches for determining scalar illuminance from cubic illuminance data. <i>Lighting Research and Technology</i> , 2019 , 51, 625-641	2	9
21	Optimisation of daylight admission based on modifications of light shelf design parameters. <i>Journal of Building Engineering</i> , 2018 , 18, 195-209	5.2	29
20	Assessment of pitch floodlighting and glare condition in the Main Stadium of Gelora Bung Karno, Indonesia. <i>Measurement: Journal of the International Measurement Confederation</i> , 2018 , 117, 186-199	4.6	8
19	The effects of illuminance, colour temperature, and colour rendering of various existing light-emitting diode lamps on subjective preference and performance in Indonesia. <i>Journal of Building Engineering</i> , 2018 , 19, 334-341	5.2	7
18	Verification tests of a mirror box type artificial sky without and with building scale model. <i>Frontiers of Architectural Research</i> , 2018 , 7, 151-166	2.3	2
17	Determination of appropriate metrics for indicating indoor daylight availability and lighting energy demand using genetic algorithm. <i>Solar Energy</i> , 2018 , 170, 1074-1086	6.8	17

16	Determination of discomfort glare criteria for daylit space in Indonesia. <i>Solar Energy</i> , 2017 , 149, 151-163	6.8	22
15	Visual Comfort Assessment Using High Dynamic Range Images under Daylight Condition in the Main Library Building of Institut Teknologi Bandung. <i>Procedia Engineering</i> , 2017 , 170, 234-239		8
14	Photometric and Colorimetric Measurements of Luminaires Using Goniometer and spectrophotometer in a Dark Chamber. <i>Procedia Engineering</i> , 2017 , 170, 226-233		
13	Prediction of Daylight Availability in a Large Hall with Multiple Facades Using Computer Simulation and Subjective Perception. <i>Procedia Engineering</i> , 2017 , 170, 313-319		10
12	Revisiting the national standard of daylighting in Indonesia: A study of five daylit spaces in Bandung. <i>Solar Energy</i> , 2016 , 126, 276-290	6.8	10
11	Validation of DIALux 4.12 and DIALux evo 4.1 against the Analytical Test Cases of CIE 171:2006. <i>LEUKOS - Journal of Illuminating Engineering Society of North America</i> , 2016 , 12, 139-150	3.5	19
10	Design optimisation for window size, orientation, and wall reflectance with regard to various daylight metrics and lighting energy demand: A case study of buildings in the tropics. <i>Applied Energy</i> , 2016 , 164, 211-219	10.7	111
9	Radiation modeling of a photo-reactor using a backward ray-tracing method: an insight into indoor photocatalytic oxidation. <i>Environmental Science and Pollution Research</i> , 2014 , 21, 11142-54	5.1	3
8	Heating and cooling energy demand in underground buildings: Potential for saving in various climates and functions. <i>Energy and Buildings</i> , 2014 , 71, 129-136	7	24
7	Lighting performance and electrical energy consumption of a virtual window prototype. <i>Applied Energy</i> , 2014 , 135, 261-273	10.7	11
6	Modelling and simulation of virtual natural lighting solutions with complex views. <i>Building Simulation</i> , 2014 , 7, 563-578	3.9	1
5	Simulation of virtual natural lighting solutions with a simplified view. <i>Lighting Research and Technology</i> , 2014 , 46, 198-218	2	7
4	Comparison between lighting performance of a virtual natural lighting solutions prototype and a real window based on computer simulation. <i>Frontiers of Architectural Research</i> , 2014 , 3, 398-412	2.3	3
3	On Illumination Vector Quantities Due to Area Light Sources: Comparison of Two Calculation Approaches. <i>LEUKOS - Journal of Illuminating Engineering Society of North America</i> , 1-18	3.5	
2	Design optimisation of mean room surface exitance and total corneal illuminance using Monte Carlo simulation. <i>Building Simulation</i> , 1	3.9	
1	Computation of the greenery-sky-view factor in daylit buildings. <i>Architectural Engineering and Design Management</i> , 1-20	1.2	