

Doris Abigail Chi Pool

List of Publications by Year in descending order

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Version: 2024-02-01

10
papers

153
citations

1683354

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1372195

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docs citations

10
times ranked

125
citing authors

#	ARTICLE	IF	CITATIONS
1	Solar energy density as a benchmark to improve daylight availability and energy performance in buildings: A single metric for a single-objective optimization. <i>Solar Energy</i> , 2022, 234, 304-318.	2.9	4
2	Impact of perforated solar screens on daylight availability and low energy use in offices. <i>Advances in Building Energy Research</i> , 2021, 15, 117-141.	1.1	11
3	Assessment of angular visual transmittance of Perforated Masonry Walls patterns employed as solar shading systems. <i>Solar Energy</i> , 2021, 213, 361-382.	2.9	1
4	Parametric Design and Comfort Optimization of Dynamic Shading Structures. <i>Sustainability</i> , 2021, 13, 7670.	1.6	6
5	An Approach to Determine Specific Targets of Daylighting Metrics and Solar Gains for Different Climatic Regions. <i>Journal of Daylighting</i> , 2021, 8, 1-19.	0.5	2
6	Statistical Methods Applied to Optimize Perforated Façade Design for Daylight Availability. <i>Journal of Architectural Engineering</i> , 2019, 25, 04018034.	0.8	4
7	A Comprehensive Evaluation of Perforated Façades for Daylighting and Solar Shading Performance: Effects of Matrix, Thickness and Separation Distance. <i>Journal of Daylighting</i> , 2019, 6, 97-111.	0.5	4
8	Correlating daylight availability metric with lighting, heating and cooling energy consumptions. <i>Building and Environment</i> , 2018, 132, 170-180.	3.0	49
9	Optimization method for perforated solar screen design to improve daylighting using orthogonal arrays and climate-based daylight modelling. <i>Journal of Building Performance Simulation</i> , 2017, 10, 144-160.	1.0	19
10	Design optimisation of perforated solar façades in order to balance daylighting with thermal performance. <i>Building and Environment</i> , 2017, 125, 383-400.	3.0	53