Doris Abigail Chi Pool

List of Publications by Year
in descending order

10 papers	153 citations	1683354 5 h-index	1372195 10 g-index
10 all docs	10 docs citations	10 times ranked	125 citing authors

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