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Several research papers have been published during this period as both a lead author and a co-author in high-ranking, peer-reviewed journals. The research activity focused on enhancing overall performance (daylighting and energy) in buildings and diverse geometric configurations, along with the application of parametric design approaches and multi-objective optimization techniques to improve visual comfort, energy efficiency, and daylight distribution. These studies have been applied across various building types. A list of the most recent publications is attached.

Targeting integrated daylighting comfort in deep office by multi-objective optimization using partial vertical deployment of adaptive corrugated shadings

Energy and Built Environment-2026

Multi-objective optimization of daylighting systems for energy efficiency and thermal-visual comfort in buildings: A review

Building and Environment -2025

Experimental Design of a Novel Daylighting Louver System (DLS); Prototype Validation in Edinburgh Climate for Maximum Daylight Utilisation

Architecture -2025

Optimizing Daylighting Performance and Energy Efficiency Through the Integration of Parametric Split Louvers in Office Buildings

Energy and Built Environment- 2025

Evaluation and improvement of daylighting performance with the use of light shelves in mosque prayer halls with a dome structure: A comparative study of four cases in Saudi Arabia

Buildings - 2025

Investigations for the daylighting performance of trapezoid profile shadings using multi-objective optimization

Journal of Building Engineering 2025

Enhancing energy efficiency in shipping container house: a novel approach using hybrid louver systems

Energy and Built Environment 2024

Improvements in energy savings and daylighting using trapezoid profile louver shading devices

Energy and Buildings -2024

تم نشر عدة أبحاث خلال هذه الفترة كمؤلف رئيس وكمشارك في عدة مجلات عالية التصنيف، ركّز النشاط البحثي على تحسين الأداء المتكامل للمباني من ناحية الطاقة و الإضاءة الطبيعية في المباني وتناولت الأبحاث أشكالاً هندسية مختلفة وأساليب تصميم بارامتري بهدف تحسين الراحة البصرية وكفاءة الطاقة وتوزيع الضوء الطبيعي، مع تطبيقها على أنواع متعددة من المباني. قائمة الأبحاث مرفقة