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Dissertations

Doctorate, AVLULU BİNA BİÇİMİNİN FARKLI İKLİM BÖLGELERİNDE İKLİMSSEL PERFORMANSA GÖRE OPTİMİZASYONUNDA GELİŞTİRİLEN YÖNTEM, Istanbul University, Yapı Bilimleri, Mimarlık, 2010

Postgraduate, AVLULU BİNALARDA DOĞAL HAVALANDIRMA VE SOĞUTMA AÇISINDAN RÜZGAR ETKİSİ İLE OLUŞACAK HAVA AKIMLARINA YÜZEY AÇIKLIKLARININ ETKİSİNİN DENEYSEL İNCELENMESİ, Istanbul Technical University, Yapı Bilimleri-Fiziksel Çevre Kontrolü, Mimarlık, 2005

Research Areas

Architecture, Building Information, Physical Urban Protection, Engineering and Technology

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Computational evaluation of building physics-The effect of building form and settled area, microclimate on pedestrian level comfort around buildings**
YAŞA E.
BUILDING SIMULATION, vol.9, no.4, pp.489-499, 2016 (SCI-Expanded)
- II. **Microclimatic comfort measurements evaluation of building physics: The effect of building form and building settled area, on pedestrian level comfort around buildings**
YAŞA E.
JOURNAL OF BUILDING PHYSICS, vol.2, pp.1-29, 2016 (SCI-Expanded)
- III. **Evaluation of the effects of courtyard building shapes on solar heat gains and energy efficiency according to different climatic regions**
YAŞA E., Ok V.
ENERGY AND BUILDINGS, vol.73, pp.192-199, 2014 (SCI-Expanded)
- IV. **Analysis of Historic Buildings in Terms of their Microclimatic and Thermal Comfort Performances "Example of Konya Slender Minaret Madrasah"**
YAŞA E.
ARCHITECTURAL ENGINEERING AND DESIGN MANAGEMENT, vol.3, pp.1-10, 2014 (AHCI)
- V. **An Experimental Study of the Effects of Surface Openings on Air Flow Caused by Wind in Courtyard Buildings**
YAŞA E.
ARCHITECTURAL SCIENCE REVIEW, vol.51, pp.263-268, 2008 (SSCI)

Articles Published in Other Journals

- I. **The Interaction of Wind Velocity and Air Gap Width on the Thermal Comfort in Naturally Ventilated Buildings with Multiple Skin Facade**
Yaşa E.
Athens Journal of Technology & Engineering, vol.9, pp.1-54, 2022 (Peer-Reviewed Journal)
- II. **A Software Model for Parameters Affecting the Dimensions of Reinforced Concrete Prefabricated Facade Elements**
Tosun M., Yaşa E.
Athens Journal of Technology and Engineering, vol.8, no.3, pp.259-282, 2021 (Peer-Reviewed Journal)
- III. **Investigation of the Effect of Traffic Noise in Inspection of Urban-Level Noise: A Noise Analysis in Konya - Nalcaci Street**
Özen F. Z., Tosun M., Yaşa E.
Athens Journal of Technology and Engineering , vol.8, no.1, pp.91-112, 2021 (Peer-Reviewed Journal)
- IV. **The Evaluation of the Effects of Different Building Forms and Settlement Areas on the Thermal Comfort of Buildings**
YAŞA E.
Procedia Engineering, vol.205, pp.3267-3276, 2017 (Peer-Reviewed Journal)
- V. **A Proposed Method on the Analysis of the Square Functionality A Case Study: Beyazit Square Field Work**
YAŞA E.
Journal of Construction and Building Material, vol.1, no.1, pp.12-20, 2016 (Scopus)
- VI. **Evaluation of the Effect of the Different Distances between Two Facades Natural Ventilation on Atrium Buildings with DSF and PMV-PPD Comfort**
YAŞA E.
Procedia Engineering, vol.121, pp.667-671, 2015 (Peer-Reviewed Journal)
- VII. **Avlu içi hava akımlarına bina cephesi açıklıklarının etkisi**
YAŞA E.
İTÜ-A, vol.8, no.1, pp.15-27, 2009 (Peer-Reviewed Journal)

Books & Book Chapters

- I. **The Impacts of Air Pressure Differences on Microclimatic Wind Comfort among Low-Rise Buildings In the Historical Urban Landscape of the Bay of Kotor Region, Montenegro**
Yaşa E., Özdemir K.
in: Environmental Management: Pollution, Habitat, Ecology, and Sustainability, Prof. Dr. John P. Tiefenbacher, Editor, Intech Open Publishing, London, pp.1-26, 2022
- II. **The Influence of Wind Velocity and Wind Distribution on the Double Skin Façades with Different Width Corridors in DSF Cavities**
Yaşa E.
in: New Ideas Concerning Science and Technology Vol. 13, Dr. Salisu Muhammad Lawan, Editor, BP International, London, pp.1-35, 2021
- III. **Evaluation of Microclimatic Comfort Around Campus Buildings at the Pedestrian Level by Means of Field Measurements and Survey of Satisfaction**
YAŞA E.
in: Building in Hot and Humid Regions Historical Perspective and Technological Advances, Napoleon Enteria; Hazim Awbi; Mat Santamouris, Editor, Springer Nature Singapore Pte Ltd., Gateway East, pp.75-107, 2020
- IV. **Optimization of Building Facade Voids Design, Facade Voids Position and Ratios - Wind Condition Relation**
YAŞA E.
in: Sustainable Buildings - Interaction Between a Holistic Conceptual Act and Materials Properties, Amjad

Almusaed; Asaad Almssad, Editor, Intech, Londra, pp.73-88, 2018

V. Building Typology Comparison Between Courtyard and Atrium Buildings: A Study of Thermal Comfort and Energy Performance Factors in Different Climate Zones

YAŞA E.

in: Energy Efficient Buildings, Eng Hwa Yap, Editor, Intech, Londra, pp.61-92, 2017

Refereed Congress / Symposium Publications in Proceedings

- I. **Research on The Use of Historic Building Information Modeling in Adaptation To The Reuse of Buildings That Have Lost Their Old Function: Study of Case Studies**
Özdirek A., Yaşa E., Ersoy S.
MSTAS 2022 Mimarlıkta Sayısal Tasarım XVI. Ulusal Sempozyumu, Eskişehir, Turkey, 22 - 26 June 2022, pp.463-471
- II. **Solar Energy Simulations in Historical Districts for Retrofitting and Evidence-Based Decision Making: Data Challenges for Low Carbon Cities in the EU Neighbourhood & Accession Countries**
Baypınar M. B., Yaşa E., Ersoy S., Beygo C., Beygo K.
REAL CORP 2020 SHAPING URBAN CHANGE LIVABLE CITY REGIONS FOR THE 21st CENTURY, Aachen, Germany, 15 - 18 September 2020, pp.781-788
- III. **The Evaluation of the Effects of Different Building Forms and Settlement Areas on the Thermal Comfort of Buildings**
Yaşa E.
10th International Symposium on Heating, Ventilation and Air Conditioning (ISHVAC 2017), Jinan, China, 19 - 22 October 2017, pp.3267-3277
- IV. **Air flow differences on thermal comfort with naturally ventilated double skin façade buildings**
Yaşa E.
11th Conference on Advanced Building Skins, Bern, Switzerland, 10 - 11 October 2016, pp.62-76
- V. **COMPARISON OF THERMAL COMFORT AND ENERGY PERFORMANCE OF COURTYARD AND ATRIUM BUILDING TYPOLOGIES BY DIFFERENT CLIMATE ZONES**
Yaşa E.
Euro-American Congress REHABEND 2016, Burgos, Spain, 24 - 27 May 2016, pp.1692-1699
- VI. **Energy Performance and Indoor Comfort With Mechanically Assisted Natural Ventilation on Atrium Buildings With DSF**
Yaşa E.
CLIMAMED 2015-Mediterranean Congress of HVAC, Antibes, France, 10 - 11 September 2015, pp.96-107
- VII. **EVALUATION OF THE EFFECT OF THE DIFFERENT DISTANCES BETWEEN TWO FACADES NATURAL VENTILATION ON ATRIUM BUILDINGS WITH DSF AND PMV-PPD COMFORT**
Yaşa E.
9th International Symposium on Heating, Ventilation and Air Conditioning (ISHVAC 2015) joint with the 3rd International Conference on Building Energy and Environment (COBEE 2015), Tianjin, China, 12 - 15 July 2015, pp.667-674
- VIII. **EVALUATION, IN TERMS OF SOLAR HEAT GAINS, OF THE EFFECTS OF COURTYARD BUILDING SHAPES ON MICROCLIMATE ACCORDING TO DIFFERENT CLIMATIC REGIONS**
Yaşa E.
CLIMAMED-13 Mediterranean Congress of Climatization, İstanbul, Turkey, 3 - 04 October 2013, pp.82-91
- IX. **The Effect of Ratios of Courtyard Surface Openings upon the Interior Courtyard Air Movement Velocity Distribution**
Yaşa E., Ok V.
Building Physics Congress-Energy Efficiency and New Approaches, İstanbul, Turkey, 18 - 19 June 2009, pp.605-610
- X. **Evaluation of Courtyard Buildings In Terms of Natural Ventilation As Ecological and Landscape Architectural Element**

Yaşı E.

21. Uluslararası Yapı ve Yaşam Kongresi, Bursa, Turkey, 20 - 21 March 2009, pp.619-629

XI. Ekolojik Mimarının Temel İlkelerinin Hollanda'daki Örnekler Üzerinden İncelenmesi

Yaşı E.

19. Uluslararası Yapı ve Yaşam Kongresi, Bursa, Turkey, 22 - 24 March 2007, pp.303-320

Metrics

Publication: 28

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