Res. Asst. BESTE FAKIOĞLU GEDİK

Personal Information

Email: fbeste@metu.edu.tr
Web: https://avesis.metu.edu.tr/fbeste

International Researcher IDs
ScholarID: aiJQAbkAAAAJ
ORCID: 0000-0003-2036-3899
Publons / Web Of Science ResearcherID: AAY-9561-2021
Yoksis Researcher ID: 317259

Dissertations

Postgraduate, Evaluation of the Effects of Service Core Reduction on Tall Building Structures, Middle East Technical University, Faculty of Architecture, Department of Architecture, 2019

Research Areas

Architecture, Building Information

Published journal articles indexed by SCI, SSCI, and AHCI

I. **The impact of service core reduction in supertall buildings: a study on structural design, embodied carbon, and leasable floor area**
Fakioğlu Gedik B., Ay B. Ö.
Architectural Science Review, vol.66, no.2, pp.144-153, 2023 (AHCI)

Articles Published in Other Journals

I. **An analysis of comparative studies on embodied carbon and embodied energy assessment of tall building structures**
Fakioğlu Gedik B., Ay B. Ö., Çakmakli A. B.
MEGARON, vol.18, no.3, pp.387-400, 2023 (ESCI)

Refereed Congress / Symposium Publications in Proceedings

I. **Embodied Greenhouse Gas Assessment of Tall Building Structures: An Overview of Comparative Studies**
Fakıoğlu Gedik B., Ay B. Ö., Çakmaklı A. B.
Challenges for the Next Generation Built Environment (NEXT BUILT), Bologna, Italy, 13 May 2022
II. **Evaluation of the Effects of Service Core Reduction on Tall Building Structures**
Fakıoğlu B., Ay B. Ö.
4th World Multidisciplinary Civil Engineering-Architecture-Urban Planning Symposium, Praha, Czech Republic, 17 -

21 June 2019

III. **The Effects of Service Core Reduction on Tall Building Structures**
Fakioğlu Gedik B., Ay B. Ö.
International Civil Engineering and Architecture Conference, Trabzon, Turkey, 17 - 20 April 2019, vol.2, pp.496-507

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