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International Researcher IDs

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Education Information

Doctorate, Istanbul Technical University, Lisansüstü Eğitim Enstitüsü, Shipbuilding and Ocean Engineering, Turkey 2015 - 2022

Postgraduate, Istanbul Technical University, Fen Bilimleri, Gemi İnşaatı Ve Gemi Makineleri Mühendisliği, Turkey 2013 - 2015

Undergraduate, Yıldız Technical University, Gemi İnşaatı Ve Gemi Makineleri Mühendisliği, Turkey 2009 - 2012

Foreign Languages

English, C2 Mastery

Research Areas

Marine Sciences and Technology, Naval Architecture and Marine Engineering, Ship Hydromechanics, Ship Construction, Engineering and Technology

Academic Titles / Tasks

Research Assistant, Istanbul Technical University, Gemi İnşaatı ve Deniz Bilimleri, Gemi Ve Deniz Teknolojisi Mühendisliği, 2014 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Systematic investigation of the tip effects on vortex-induced vibrations for circular cylinders**
Duranay A., Usta O., Kınacı Ö. K.
OCEAN ENGINEERING, vol.239, 2021 (SCI-Expanded)
- II. **Enhancing two-dimensional computational approach for vortex-induced vibrations by scaling lift force**
Duranay A., Kınacı Ö. K.
OCEAN ENGINEERING, vol.217, 2020 (SCI-Expanded)

III. Uncertainty Analysis of Experiments of Vortex-Induced Vibrations for Circular Cylinders

Usta O., Duranay A.

Journal of Applied Fluid Mechanics, vol.14, no.2, pp.541-553, 2020 (SCI-Expanded)

Articles Published in Other Journals

I. SUPPRESSING THE IRREGULAR FREQUENCIES IN WAVE-BODY INTERACTION PROBLEMS: EFFECT OF DISCRETIZATION ON THE PERFORMANCE OF EXTENDED BOUNDARY INTEGRAL EQUATION METHOD

Tunca E., Duranay A., Uğurlu B.

SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES-SIGMA MUHENDISLIK VE FEN BILIMLERI DERGISI, vol.9, no.2, pp.175-192, 2018 (ESCI)

II. Rüzgâr Enerji Santrallerinin Geleceği

Kocatürk A. S., Duranay A., Fırat B., Ünsan Y.

GİDB Dergi, vol.1, no.8, pp.50-65, 2017 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

I. Düzensiz Frekans Etkilerinin Kaldırılmasında Eleman Mertebesinin Etkisi

DURANAY A., UĞURLU B.

20. Ulusal Mekanik Kongresi, Bursa, Turkey, 5 - 09 September 2017

II. DALGA ENERJİSİNDEN FARKLI FORMLARA SAHİP DUBALARDA ELEKTRİK ÜRETİMİ TAYİNİ

Duranay A., Şahin K.

GMO SHIPMAR, İstanbul, Turkey, 8 - 09 December 2016, pp.523-530

III. An Investigation and Comparison on Energy Efficiency Design Index (EEDI) and Energy Efficiency Operational Indicator (EEOI) of Some Ships

Alvar M., Elçiçek H., Aydın Z., Duranay A., Saral H., Çelebi U. B.

17th International Symposium on Environmental Pollution and Its Impact on Life in the Mediterranean Region, MESAEP-2013, İstanbul, Turkey, 28 September - 01 October 2013

Metrics

Publication: 12

Citation (WoS): 4

Citation (Scopus): 11

H-Index (WoS): 1

H-Index (Scopus): 2