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Personal Information

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Education Information

Doctorate, Yıldız Teknik Üniversitesi, Fen Enstitüsü, Gemi İnşaatı Ve Gemi Makineleri Mühendisliği, Turkey 2012 - 2016

Postgraduate, Yıldız Technical University, Naval Architecture And Maritime Faculty, Department Of Naval Architecture And Marine Engineering, Turkey 2010 - 2012

Undergraduate, Yıldız Technical University, Faculty Of Mechanical Engineering, Department Of Mechanical Engineering, Turkey 2004 - 2009

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, AN EXPERIMENTAL AND NUMERICAL INVESTIGATION OF SLAMMING LOADS ON SHIP FORMS, Yıldız Teknik Üniversitesi, Graduate School of Natural and Applied Sciences, Gemi İnşaatı Ve Gemi Makineleri Mühendisliği, 2016

Research Areas

Naval Architecture and Marine Engineering, Engineering and Technology

Academic Titles / Tasks

Assistant Professor, Yıldız Technical University, Naval Architecture And Maritime Faculty, Department Of Marine Engineering Operations, 2018 - Continues

Assistant Professor, Yıldız Teknik Üniversitesi, Naval Architecture and Maritime Faculty, Gemi Makineleri İşletme Mühendisliği, 2018 - 2018

Researcher, University of Strathclyde, Naval architecture, ocean & marine engineering, 2012 - 2013

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **Experimental investigation of water entry of bodies with constant deadrise angles under hydrophobic effects**
GÜZEL B., KORKMAZ F. C.
Experiments in Fluids, vol.62, no.5, 2021 (Journal Indexed in SCI)
- II. **Reducing water entry impact loads on offshore marine structures by forced air entrapment**

GÜZEL B., KORKMAZ F. C.

SHIPS AND OFFSHORE STRUCTURES, vol.15, no.9, pp.942-952, 2020 (Journal Indexed in SCI)

III. **Reducing water entry impact loads on marine structures by surface modification**

GÜZEL B., KORKMAZ F. C.

Brodogradnja, vol.71, no.1, pp.1-18, 2020 (Journal Indexed in SCI)

IV. **Water entry of cylinders and spheres under hydrophobic effects; Case for advancing deadrise angles**

KORKMAZ F. C. , GÜZEL B.

OCEAN ENGINEERING, vol.129, pp.240-252, 2017 (Journal Indexed in SCI)

V. **CONTROL OF A SHIP SHAFT TORSIONAL VIBRATION VIA MODIFIED PID CONTROLLER**

KORKMAZ F. C. , Su M. E. , ALARÇIN F.

BRODOGRADNJA, vol.65, no.1, pp.17-27, 2014 (Journal Indexed in SCI)

Articles Published in Other Journals

I. **Silindir ve Kürelerin Suyu Girişlerinde Esnekliğin ve Katı Yüzey Özelliklerinin Dövünme Yüklerine Etkisinin Deneysel Olarak İncelenmesi**

KORKMAZ F. C. , GÜZEL B.

JOURNAL OF ETA MARİTİME SCİENCE, vol.5, no.3, pp.258-270, 2017 (Other Refereed National Journals)

II. **VIBRATION ANALYSIS OF SHIP MAIN ENGINE AND SHAFT SYSTEM**

Alarçin F., Korkmaz F. C.

Sigma Journal of Engineering and Natural Sciences, vol.3, pp.310-319, 2012 (National Refreed University Journal)

Refereed Congress / Symposium Publications in Proceedings

I. **The Effect of Baffle Location on Sloshing in The Rectangular Tank**

Bayramoğlu T., Korkmaz F. C. , Bayramoğlu K.

7th International Congress on Engineering, Architecture and Design, İzmir, Turkey, 21 - 22 May 2021, pp.1-5

II. **Experimental Study on Sloshing Behaviour of Various Viscous Fluids**

Korkmaz F. C. , Güzel B.

9th INTERNATIONAL CONFERENCE ON MATHEMATICS, ENGINEERING, NATURAL SCIENCES, Marrakush, Morocco, 23 - 26 January 2020, pp.1-2

III. **Experimental investigation of sloshing in the rectangular tank under the hydrophobic effect**

KORKMAZ F. C. , YİĞİT K., GÜZEL B.

19th International Conference on Ship and Maritime Research, Trieste, Italy, 20 June 2018, pp.299-305

IV. **EXPERIMENTAL INVESTIGATION OF SUPERCAVITATING FLOWS**

GÜZEL B., KORKMAZ F. C. , BAYAR H.

4th International Conference on Engineering and Natural Sciences (ICENS), 2 - 07 May 2018

V. **Examination of the effects of pressure transducer types to liquid sloshing in ship tanks**

YİĞİT K., KORKMAZ F. C. , GÜZEL B.

4th International Conference on Engineering and Natural Sciences (ICENS), Kiev, Ukraine, 02 May 2018, pp.406

VI. **Experimental investigation of the sloshing under various surface parameters**

KORKMAZ F. C. , YİĞİT K., GÜZEL B.

4th International Conference on Engineering and Natural Sciences (ICENS), Kiev, Ukraine, 02 May 2018, pp.407

VII. **Experimental investigation of the effect of flexibility on impact forces during slamming events**

GÜZEL B., KORKMAZ F. C.

the 4th International Conference on Engineering and Natural Sciences, Budapeşte, Hungary, 03 May 2017, pp.223

VIII. **The effect of hydrophobicity in bow flare and wet deck slamming**

KORKMAZ F. C. , GÜZEL B., SAFA A.

26th Annual International Ocean and Polar Engineering Conference, ISOPE 2016, Rhodes, Greece, 26 June - 01 July 2016, pp.469-472

- IX. **EXPERIMENTAL INVESTIGATION OF WATER EXIT UNDER HYDROPHOBIC EFFECTS**
GÜZEL B., KORKMAZ F. C.
35th ASME International Conference on Ocean, Offshore and Arctic Engineering, Busan, South Korea, 19 - 24 June 2016
- X. **Experimental Study On Force Distribution During Slamming Event With Hydrophobic Surface**
KORKMAZ F. C. , GÜZEL B.
The Ires 5th International Conference, Barcelona, Spain, 01 August 2015, pp.1-8
- XI. **Jet formation and water pile-up in slamming of rigid bodies**
GÜZEL B., Korkmaz F. C.
ICENS, 01 May 2015
- XII. **EXPERIMENTAL INVESTIGATION OF WATER ENTRY IMPACT ON HYDROPHOBIC SURFACES**
Güzel B., Korkmaz F. C.
34th ASME International Conference on Ocean, Offshore and Arctic Engineering (OMAE2015), St John's, Canada, 31 May - 05 June 2015
- XIII. **Effects of Controller on System Characteristics and an Application on Ship Propulsion System**
SU M. E. , KORKMAZ F. C. , ALARÇİN F.
International Science and Technology Conference, 01 December 2012

Supported Projects

KORKMAZ F. C. , YİĞİT K., GÜZEL B., Project Supported by Higher Education Institutions, Gemi Tanklarındaki Çalkantı Yüklerinin Deneysel Olarak İncelenmesi, 2018 - 2020

Scientific Refereeing

PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART M-JOURNAL OF ENGINEERING FOR THE MARITIME ENVIRONMENT, SCI Journal, September 2021

Journal of Marine Science and Application, Other Indexed Journal, June 2021

POLISH MARITIME RESEARCH, SCI Journal, June 2021

SN Applied Sciences, Other Indexed Journal, February 2021

OCEAN ENGINEERING, National Scientific Refreed Journal, February 2021

OCEAN ENGINEERING, SCI Journal, August 2020

OCEAN ENGINEERING, SCI Journal, January 2020

OCEAN ENGINEERING, SCI Journal, November 2019

MARINE GEORESOURCES & GEOTECHNOLOGY, SCI Journal, October 2019

OCEAN ENGINEERING, SCI Journal, October 2019

OCEAN ENGINEERING, SCI Journal, July 2019

JOURNAL OF ETA MARİTİME SCİENCE, National Scientific Refreed Journal, May 2019

China Ocean Engineering, SCI Journal, April 2018

Brodogradnja, SCI Journal, December 2017

Citations

Total Citations (WOS):25

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