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779

Supervised PhD Theses

#	Thesis title	By	Date
1	INVESTIGATION OF THE GENERAL LOADS ACTING ON A MULTIHULL VESSEL AND EVALUATION OF ITS ULTIMATE STRENGTH IN DIFFERENT DAMAGED CONDITIONS	Karim Akbari Vakil Abadi & Mohammad Reza Khedmati	December 2014
2	ULTIMATE STRENGTH OF COMPOSITE SHIPS CONSIDERING THE EFFECT OF SUPERSTRUCTURE	Fattaneh Morshedsolouk & Mohammad Reza Khedmati	October 2013
3	VIBRATION ANALYSIS OF STIFFENED SHELLS HAVING PARABOLIC CURVATURE WITH APPLICATION TO SHIP STRUCTURES	Pedram Edalat & Mohammad Reza Khedmati	June 2013
4	EFFECT OF CORROSION ON THE ULTIMATE STRENGTH OF AGED SHIPS	Zorareh Hadj Mohammadesmaielnouri & Mohammad Reza Khedmati	September 2011

Supervised MSc Theses

#	Thesis title	By	Date
1	investigation into effects of crack geometric parameters in tensile behavior of un-stiffened/stiffened plates(ignoring crack propagation)	Milad Karami & Mohammad Reza Khedmati	January 2021
2	Study of zone strength of aluminium ship structure considering changes in framing system (fixed, floating or combined)	Zaha Kosar & Mohammad Reza Khedmati	November 2020

3	investigation into the load-carrying behaviour of sps (sandwich plate system) plates subject to inplane compression or lateral pressure	Sana Kouliyan & Mohammad Reza Khedmati	September 2020
4	Investigation on subsea pipelines subjected to dropped objects impact	Parsa Asaseh & Mohammad Reza Khedmati	September 2020
5	modelling and analysis of ship bottom structure when launching on airbags	Fatemeh Barani & Mohammad Reza Khedmati	February 2020
6	Ultimate strength of ships under combined bending considering corrosion damage	Hossein Rahbarimanesh & Mohammad Reza Khedmati	December 2019
7	Numerical simulation of line heating method for forming of aluminium plates	Mehdi Najafi & Mohammad Reza Khedmati	September 2019
8	Numerical analysis of the effect of shear in the ship cross-section on its ultimate strength under	Mehdi Askari & Mohammad Reza Khedmati	July 2019
9	Experimental investigation into strength behavior of pitted plates subject to uni-axial in-plane compression	Farshed Mahde Allamdarloo & Mohammad Reza Khedmati	December 2018
10	Preparation of suitable methods for the repair of damaged hull of aluminium and composite high speed crafts	Abbas Karimi Kisoumi & Mohammad Reza Khedmati	November 2018
11	Assessment of the effects of pitting corrosion on static strength of tubular joints under bending	Arno Petrosian & Mohammad Reza Khedmati	November 2018
12	Evaluation of Ultimate Strength of Ship Hulls Girders under Combined Vertical and Horizontal Bending Moments	Azadeh Chamkoori & Mohammad Reza Khedmati	June 2018
13	Analytical study on different manufacturing methods (SKD, CKD and CBU) of lightweight vessels and identification of the application-oriented optimum method	Farshid Aliahmad & Mohammad Reza Khedmati	May 2018
14	Evaluation of Initial Imperfections and corrosion Effects on the Ultimate Strength of Ship Hulls Girders	Zohreh Adibi Pour & Mohammad Reza Khedmati	February 2018
15	Assessment of static strength of tubular members with pitting corrosion under axial compressive loading	Elahe Tavana & Mohammad Reza Khedmati	February 2018
16	Assessment of buckling behavior and ultimate strength of corroded tubular members under compressive and lateral impact loads	Mohammad Azimi Ghadikolaie & Mohammad Reza Khedmati	October 2017
17	Investigation into the vibrational behavior of marine aluminum panel subject to repetitive slamming induced impulses	Mohammad Sadegh Hosein Poor & Mohammad Reza Khedmati	October 2017
18	Study on the effect of variation in framing system (fixed, floating or combined) on the strength of high speed aluminum craft	Pedram Poorabasi & Mohammad Reza Khedmati	July 2017

19	Analysis of Ship Bottom Structures When Launching on Airbags	Amirsalar Haghayeghi & Mohammad Reza Khedmati	July 2017
20	Investigation into the initial imperfections in aluminum vessels and study of their effects on strength of aluminum stiffened plates	Mohsen Norozi Pour & Mohammad Reza Khedmati	July 2017
21	Study on ultimate strength of box girders considering different corrosion models	Hamed Helmi & Mohammad Reza Khedmati	June 2017
22	Behavior of Cold-Formed Beam-Column Under Cyclic Loading	Omid Fasihizaade & Mohammad Reza Khedmati	February 2017
23	Evaluation and retrofit of a refinery tower under dynamic and thermal load (modal analysis)	Mohammad Poorie & Mohammad Reza Khedmati	February 2017
24	Residual strength of an offshore platform following multiple side impacts	Mohammasadegh Dehghan & Mohammad Reza Khedmati	February 2017
25	Lateral-torsional Buckling Analysis of Thin-Walled Cold-Formed Girder With Corrugated Webs Including Opening	Mohammad Tolouei & Mohammad Reza Khedmati	October 2016
26	strength of pitted unstiffened/stiffened plates under tension	Komeil Biniiaz & Mohammad Reza Khedmati	September 2016
27	Prediction and Control of Welding Distortion in Plate Structures	Mohamad Mazidi & Mohammad Reza Khedmati	July 2016
28	Investigation of the effects of fabrication tolerances on the buckling strength of submarine pressure hull	Aliasghar Rezaii & Mohammad Reza Khedmati	May 2016
29	Numerical analysis of buckling strength and postbuckling behavior of pitted plates subject to inplane biaxial compression	Saleh Lotfi & Mohammad Reza Khedmati	April 2016
30	Evaluation of causes of marine casualties related to structural and manufacturing characteristics in traditional and nontraditional ships in jurisdiction regions	Hossein Zare & Mohammad Reza Khedmati	March 2016
31	Derivation of Simple Equations for Estimation of Ultimate Strength of Aged Ship	Najmeh Salemizadeh & Mohammad Reza Khedmati	February 2016
32	Experimental investigation into strength of pitted plates	Gholamreza Abad & Mohammad Reza Khedmati	November 2015
33	Investigation into the Behaviour of Reinforced Concrete Beams Retrofitted With Frp Fabrics subjected to Blast Loading	Mehdi Saloo & Mohammad Reza Khedmati	October 2015
34	Experimental investigation of ultimate strength and buckling behavior of tubular members with corrosion imperfections	Ardalan Farazian Shirazy & Mohammad Reza Khedmati	September 2015
35	Preparation of a preprocessor/postprocessor code for modeling progressive collapse procedure and ultimate strength analysis of ship hulls girders	Omid Ferdowsi Hossein Abadi & Mohammad Reza Khedmati	September 2015

36	Derivation of Empirical Formulations for Estimation of Ultimate Strength of Composite Ship Hulls	Mohsen Sarvari & Mohammad Reza Khedmati	July 2015
37	Investigation into the ultimate strength of corroded box girders	Mohammad Mahmoodi Salehabad & Mohammad Reza Khedmati	February 2015
38	Dynamic Stability Analysis Of Composite Plates Using Element Free Galerkin Method	Amin Etemad Shoar & Mohammad Reza Khedmati	February 2015
39	Structural Analysis of Ships Bottom Structure During Launching	Mohsen Drhghani Tafti & Mohammad Reza Khedmati	December 2014
40	3D Hydroelastic Investigation into the Water Impact on a Geometrically Imperfect Aluminum Panel	Mohsen Khabir & Mohammad Reza Khedmati	October 2014
41	Buckling distortion of aluminium stiffened plates during welding	Milad Mohamadi & Mohammad Reza Khedmati	October 2014
42	Assessment of deformation and behavior of stiffened corroded plates with regard to use as the gate of dry docks	Mohammad Amin Kalantari & Mohammad Reza Khedmati	October 2014
43	Simulation of Aluminum Welded Joints Using Finite Element Method	Hessam Yoosefzadeh & Mohammad Reza Khedmati	October 2014
44	Investigation into initial imperfections during construction of composite ships with VIP method and their numerical simulation	Mojtaba Shomali Varzande & Mohammad Reza Khedmati	October 2014
45	Assessment of buckling behavior and ultimate strength of multiplanar tubular joints with overall scorrosion defects	Majid Rashidi & Mohammad Reza Khedmati	October 2014
46	Assessment of buckling behavior and ultimate strength of imperfect axially pre-stressed tubular members of offshore structures under impact loads considering different shapes of impactors and various	Hassan Fardi & Mohammad Reza Khedmati	November 2013
47	Investigation of the effects of various pitting corrosion parameters with random distribution on the behavior of un-stiffened and stiffened plates under uni-axial in-plane compression	Mojtaba Moosapoor Tooservandani & Mohammad Reza Khedmati	November 2013
48	Investigation into strength and performance of protective plated structures against perforation	Moslem Zebardast & Mohammad Reza Khedmati	October 2013
49	Investigation into buckling and postbuckling Behavior of Sandwich Panels With Belsa or PVC core made by hand layup and Vacum bag Infusion Procedures	Sam Barati Nardin & Mohammad Reza Khedmati	October 2013
50	Prediction and control of welding distortion in plate structures	Seyed Eshagh Mousavi & Mohammad Reza Khedmati	September 2013
51	Experimental and numerical study of geometrical parameters effects on the strength of composite-aluminum adhesively bonded joint in pure tension	Ashkan Babazadeh & Mohammad Reza Khedmati	September 2013

52	Optimization of welding-induced buckling distortion in aluminium stiffened plates	Modjtaba Kaboodvandy Rad & Mohammad Reza Khedmati	March 2013
53	Buckling Behavior of Stiffened Composite Plates by Nonlinear and Finite Element Methods	Abdollahsharif Anbia & Mohammad Reza Khedmati	February 2013
54	Determination of equivalent orthotropic parameters of parabolic stiffened curved with ship structure application.	Pouria Bahrami Ataabadi & Mohammad Reza Khedmati	November 2012
55	Global ship structural analysis with FEM method and its reliability analysis	Amirhosein Heydari & Mohammad Reza Khedmati	November 2012
56	A Numerical Study on the Strength Behaviour of metal-composite T-joints and X-joints in high speed crafts	Mahdi Omidali & Mohammad Reza Khedmati	October 2012
57	Structural analysis of a trimaran vessel in different damaged conditions	Mohsen Mohammadi & Mohammad Reza Khedmati	October 2012
58	Post-buckling and failure analysis of stiffened composite panels under uni-axial compression	Yosef Amiriyani & Mohammad Reza Khedmati	February 2012
59	Free and Forced Vibration Analysis of stiffened and Unstiffened Parabolic Curved plate	Mohammad Mehdi Mobasheri Zafarabadi & Mohammad Reza Khedmati	February 2012
60	Analysis of buckling/collapse behavior of tubular members in marine platforms considering corrosion damage	Amirfoad Khalaj & Mohammad Reza Khedmati	February 2012
61	Investigation into the effects of impulsive loads on the behavior of stiffened Aluminum plates considering initial imperfections	Masoud Pedram & Mohammad Reza Khedmati	October 2011
62	Investigation into the effects of cracks on natural frequency and damping ratio in vibration of plates	Ali Beygi Harchegani & Mohammad Reza Khedmati	July 2011
63	Vibration Response Analysis of Stiffened Plates Under Cyclic Load:	Shahed Jafarpour Hamedani & Mohammad Reza Khedmati	March 2011
64	Modeling and Evaluation of Ultimate Strength of Composite Ships Using Finite Element Method	Sepideh Jafar Zadeh & Mohammad Reza Khedmati	February 2011
65	Investigation into Behaviour of Unstiffened/Stiffened Aluminium plate under combined bi-axial compression and lateral pressure	Hamid Reza Memarian & Mohammad Reza Khedmati	January 2011
66	Evaluation of ultimate strength of a product carrier using finite element method	Ahmadreza Rashedi & Mohammad Reza Khedmati	November 2010
67	Investigation into fatigue reliability of jacket-type platforms considering their dynamic behavior.	Mohammadhossin Vatandost Khalilabad & Mohammad Reza Khedmati	October 2010

68	Optimization of location of shaft line bearings in alignment process considering hull deflection in different load conditions	Alireza Karimaghloo & Mohammad Reza Khedmati	August 2010
69	Elastic stability of plates with linear / nonlinear variable thickness using the finite element and analytical methods	Zahra Shahrabi Farahani & Mohammad Reza Khedmati	February 2010
70	Finite Element Analysis of Naval Ships Deck Structure under Lateral Blast Loads	Mohammad Hossein Sadeghi & Mohammad Reza Khedmati	January 2010
71	Response Analysis of Dynamically loaded curved composite sandwich panel in high speed craft	Mehdi Fakori & Mohammad Reza Khedmati	November 2009
72	Elastic Buckling Analysis of Corroded Plates Using Finite Element Method	Mohammad Mehdi Roshanali & Mohammad Reza Khedmati	November 2009
73	Optimization of composite laminates under lateral impact loads using genetic algorithms	Mohammad Rezayi Sangtaji & Mohammad Reza Khedmati	September 2009
74	Numerical Study on the effect of Out-of-Roundness on the Buckling Behavior and Ultimate Strength of Stiffened Circular Cylindrical Shells	Mohammadali Adl & Mohammad Reza Khedmati	August 2009
75	Fracture and Inelastic Behavior Analysis of Aluminum Panels Repaired with Composite Patches	Mahdi Mohammad Sharifi & Mohammad Reza Khedmati	April 2009
76	Assessment of buckling behavior and ultimate strength of imperfect axially pre-stressed tubular members of offshore structures under impact loads	Masood Nazari & Mohammad Reza Khedmati	January 2009
77	Finite Element Study of the Effects of Longitudinal/ Transverse Curvature on the Buckling /Ultimate Strength and Behavior of Deck Structure	Pedram Edalat & Mohammad Reza Khedmati	September 2008
78	ANALYSING BEHAVIOR OF STIFFENED PLATE UNDER IMPACT LOADING OF SLAMMING PHENOMENA	Mojtaba Ghafari & Mohammad Reza Khedmati	January 2008
79	RESPONSE ANALYSIS FOR UNSTIFFENED/STIFFENED PLATES SUBJECT TO UNDERWATER EXPLOSION HOCK	Mohamad Vali Nataj Benamiri & Mohammad Reza Khedmati	July 2007
80	ACOMPARATIVE STUDY ON BENDING, BUCKLING AND ULTIMATE STRENGTH OF ALUMINUM PLATES STIFFENED WITH FIXED AND FLOATING FRAME	Kambiz Yahyazadeh & Mohammad Reza Khedmati	February 2007
81	NUMERICAL AND EXPERIMENTAL STUDY ON THE CRUSHING BEHAVIOUR OF ALUMINUM AND COMPOSITE HIGH SPEED CRAFT AT THE EVENT OF BO	Iraj Kaivanfar & Mohammad Reza Khedmati	January 2007
82	STRESS AND STRAIN ANALYSIS OF MARINE PROPELLERS USING FINITE ELEMENT METHOD	Muhammad Ali Tafazzoly & Mohammad Reza Khedmati	September 2006
83	Buckling/Ultimate strength analysis of aluminum stiffened plates under combined in-plane longitudinal compression	Mohammad Reza Zarei & Mohammad Reza Khedmati	March 2006

84	Numerical strength analysis of unstiffened/stiffened ship plates under military blast loads	Mooud Nikfarjam & Mohammad Reza Khedmati	February 2006
85	Study on the buckling/plastic collapse behavior and strength of stiffened circular cylindrical shells	Mohammad Javad Mazaheri & Mohammad Reza Khedmati	May 2005
86	Introduction and Application of ISUM Plate Element in Simulating Average Stress-Average Strain Relationships of Plates under in-plane Compression	Elaheh Kia & Mohammad Reza Khedmati	April 2005
87	A Benchmark Study on the Ultimate Strength Formulations for Ship Stiffened Plates	Abdollah Barzegar Bargahi & Mohammad Reza Khedmati	April 2005
88	OPTIMUM DESIGN OF STIFFENED PLATES FOR BUCKLING UNDER INPLANE UNIAXIAL COMPRESSION	Abolfazl Nazari & Mohammad Reza Khedmati	February 2004
89	Simulation of Average Stress-Average Strain Relationships of Continuous Plates under Combined Biaxial in-plane Compression and Lateral Pressure	Olfat Abplfazli & Mohammad Reza Khedmati	November 2003
90	Study on the Elastic Local Buckling Strength of Stiffened Plates considering Plate/Stiffener Interaction and Lateral Pressure Effects	Eaetemad Al Deen Rabeae Gholami & Mohammad Reza Khedmati	February 2003
91	Study on Buckling, Post-buckling, Plastic Collapse and Post-collapse Behaviour of Continuous Stiffened Plates Subjected to Combined In-plane Compressive Stresses and Lateral Pressure	Hassan Ghazvini & Mohammad Reza Khedmati	November 2002
92	Buckling Strength of Perforated Plates	Mohammad Javad Khashan & Mohammad Reza Khedmati	September 2002
93	STRENGTH ASSESSMENT OF CONTINUOUS PLATES WITH INITIAL IMPERFECTIONS UNDER COMBINED INPLANE COMPRESSION AND LATERAL PRESSURE	Amir Abbas Shafiei Ardestani & Mohammad Reza Khedmati	June 2002

Books

#	Title	Author(s)	Publisher country	publication date	version
Portal Records					
1	SHIP INTRODUCTION	Mohammad Reza Khedmati	Iran (Islamic Republic of)	September 2019	2
2	SHIP INTRODUCTION	Mohammad Reza Khedmati	Iran (Islamic Republic of)	September 2018	1
3	Nonlinear Large Deflection Analysis of Stiffened Plates	Khosrow Ghavami, Mohammad Reza Khedmati	Croatia (Hrvatska)	October 2012	1
4	Corrosion of Aluminium	Mohammad Reza Khedmati, Ebrahim Soleimani, Esmaeail Zavvar	Iran (Islamic Republic of)	May 2019	1
5	Design of Ship Hull Structures-Vol_2: Applications	Mohammad Reza Khedmati	Iran (Islamic Republic of)	August 2016	2
6	Design of Ship Hull Structures-Vol_1: Fundamentals and Theory	Mohammad Reza Khedmati	Iran (Islamic Republic of)	August 2016	2

7	Design of Ship Hull Structures-Vol_2: Applications	Mohammad Reza Khedmati	Iran (Islamic Republic of)	April 2014	1
8	Design of Ship Hull Structures-Vol_1: Fundamentals and Theory	Mohammad Reza Khedmati	Iran (Islamic Republic of)	April 2014	1
9	Design and Performance of Ships	Mohammad Reza Khedmati, Iraj Kaivanfar	Iran (Islamic Republic of)	April 2012	1

Journal Papers

Portal Records

- 1 Mehdi Saloo, Mohammad Zaman Kabir, Mohammad Reza Khedmati, "Assessment of performance criteria of reinforced concrete beams retrofitted with FRP fabrics subjected to extreme impulsive loading", *ADVANCED COMPOSITE MATERIALS*, March 2020 Vol. 0, Num. 0, Page 1-23, March 2020,
- 2 Rohallah Hadipourgodarzi, Mohammad Reza Khedmati, "An experimental and numerical investigation of adhesive bond strength in AI-GFRP single lap and double butt lap joints due to applied longitudinal loads", *Ships and Offshore Structures*, September 2019 Vol. 15, Num. 4, Page 1-14, September 2019,
- 3 Masoud Pedram, Mohammad Reza Khedmati, Akbar Esfandiari, Hossein Kazem, "Damage detection in dolphin platform of a wharf by finite element model updating", *Amirkabir Journal of Civil Engineering*, August 2019 Vol. 51, Num. 3, Page 479-490, August 2019,
- 4 Ashkan Babazadeh, Mohammad Reza Khedmati, "Semi-analytical simulation of plastic collapse mechanism of cracked continuous unstiffened plates used in ship structure under in-plane longitudinal compression", *THIN-WALLED STRUCTURES*, June 2019 Vol. 144, Num. 0, Page 106264-106264, June 2019,
- 5 Ashkan Babazadeh, Mohammad Reza Khedmati, "Empirical formulations for estimation of ultimate strength of cracked continuous unstiffened plates used in ship structure under in-plane longitudinal compression", *ENGINEERING FAILURE ANALYSIS*, June 2019 Vol. 100, Num. 6, Page 470-484, June 2019,
- 6 Milad Mohamadi, Mohammad Reza Khedmati, Ehsan Bahmyari, "Elastic local buckling strength analysis of stiffened aluminium plates with an emphasis on the initial deflections and welding residual stresses", *Ships and Offshore Structures*, February 2019 Vol. 14, Num. 2, Page 125-140, February 2019,
- 7 Karim Akbari Vakilabadi, Mohammad Reza Khedmati, Abbas Hasan Abadi, Alireza Mohammadi, "Resistance Prediction for a Novel Trimaran with Wave Piercing Bow", *International Journal of Maritime Technology*, December 2018 Vol. 9, Num. 4, Page 33-40, December 2018,
- 8 Donya Najafzadeh, Saeed Shaikhzadeh Najar, Mohammad Reza Khedmati, "Experimental and theoretical analysis of air inflated circular woven fabric deformation", *JOURNAL OF THE TEXTILE INSTITUTE*, December 2018 Vol. 109, Num. 1, Page 1-10, December 2018,
- 9 Mahdi Omidali, Mohammad Reza Khedmati, "Numerical investigation on novel geometrical configuration for adhesively bonded T-joint between aluminum and sandwich panel", *THIN-WALLED STRUCTURES*, October 2018 Vol. 131, Num. 10, Page 122-134, October 2018,
- 10 Ashkan Babazadeh, Mohammad Reza Khedmati, "Ultimate strength of cracked ship structural elements and systems: A review", *ENGINEERING FAILURE ANALYSIS*, July 2018 Vol. 89, Num. 0, Page 242-257, July 2018,
- 11 Mahdi Omidali, Mohammad Reza Khedmati, "Reliability-based design of stiffened plates in ship structures subject to wheel patch loading", *THIN-WALLED STRUCTURES*, June 2018 Vol. 127, Num. 6, Page 416-424, June 2018,
- 12 Karim Akbari, Mohammad Reza Khedmati, Abbas Hasanabadi, Alireza Mohammadi, "Resistance Prediction for a Novel Trimaran with Wave Piercing Bow", *International Journal of Maritime Technology*, February 2018 Vol. 9, Num. 4, Page 33-40, February 2018,
- 13 Ehsan Bahmyari, Mohammad Reza Khedmati, Carlos Guedes Soares, "Stochastic analysis of coupled heave-roll ship motion using the domain decomposition chaotic radial basis function", *OCEAN ENGINEERING*, August 2017 Vol. 140, Num. 8, Page 322-333, August 2017,

- 14 Ali Dehghanian, Mohammad Reza Khedmati, Hassan Ghassemi, "PRACTICAL APPROACHES OF INDUCING CONTROLLED SIMULATED RESIN STARVATION AREAS INTO VACUUM INFUSION PROCESSED SANDWICH COMPOSITES USED FOR CHARACTERIZATION OF THE SURFACE DEFECTS AND THEIR OUTCOMES", LATIN AMERICAN JOURNAL OF SOLIDS AND STRUCTURES, June 2017 Vol. 14, Num. 6, Page 1170-1182, June 2017,
- 15 Ehsan Bahmyari, Mohammad Reza Khedmati, "Uncertainty quantification in bending analysis of moderately thick plates with elastically restrained edges using the Chaotic Radial Basis Function", ACTA MECHANICA, June 2017 Vol. 228, Num. 6, Page 2083-2105, June 2017,
- 16 Najmeh Saleemizadeh, Mohammad Reza Khedmati, "The Effect of Initial Defects, Corrosion and Cracks on The Ultimate Strength of a Bulk Carrier Ship", Iranian Journal of marine Science and Technology, June 2017 Vol. 81, Num. 81, Page 18-22, June 2017,
- 17 Mahdi Omidali, Mohammad Reza Khedmati, Rohallah Hadipourgodarzi, "Numerical Investigation on Novel Method for Adhesively Bonded T-joint Between Aluminum and Sandwich Panel", Journal of Marine Science and Technology, May 2017 Vol. 16, Num. 1, Page 122-134, May 2017,
- 18 Masoud Pedram, Akbar Esfandiari, Mohammad Reza Khedmati, "Frequency domain damage detection of plate and shell structures by finite element model updating", INVERSE PROBLEMS IN SCIENCE AND ENGINEERING, April 2017 Vol. 26, Num. 4, Page 1-33, April 2017,
- 19 Ehsan Bahmyari, Mohammad Reza Khedmati, "Stochastic analysis of thin plates on elastic foundation by combining the generalized polynomial chaos and element free Galerkin method", JOURNAL OF MECHANICAL SCIENCE AND TECHNOLOGY, April 2017 Vol. 31, Num. 4, Page 1813-1824, April 2017,
- 20 Ehsan Bahmyari, Mohammad Reza Khedmati, Carlos Guedes Soares, "Stochastic analysis of moderately thick plates using the generalized polynomial chaos and element free Galerkin method", ENGINEERING ANALYSIS WITH BOUNDARY ELEMENTS, March 2017 Vol. 79, Num. 0, Page 23-37, March 2017,
- 21 Masoud Pedram, Akbar Esfandiari, Mohammad Reza Khedmati, "Damage detection by a FE model updating method using power spectral density: Numerical and experimental investigation", JOURNAL OF SOUND AND VIBRATION, February 2017 Vol. 397, Num. 1, Page 51-76, February 2017,
- 22 Ashkan Babazadeh, Mohammad Reza Khedmati, "FINITE ELEMENT INVESTIGATION OF PERFORMANCE OF COMPOSITE-STEEL DOUBLE LAP ADHESIVE JOINT UNDER TENSILE LOADING", Latin American Journal of Solids and Structures, January 2017 Vol. 14, Num. 2, Page 277-291, January 2017,
- 23 Majid Rashidi, Masoud Nazari, Mohammad Reza Khedmati, Akbar Esfandiari, "NUMERICAL MODELING OF CORROSION EFFECTS ON ULTIMATE STRENGTH OF DX TUBULAR JOINTS", LATIN AMERICAN JOURNAL OF SOLIDS AND STRUCTURES, December 2016 Vol. 14, Num. 2, Page 217-242, December 2016,
- 24 Amir Mozafar Ben Shams, Saman Shafeienezad, Mohammad Zaman Kabir, Farzad Hatami, Mohammad Reza Khedmati, Mesbah Sayehbani, "Investigate the Performance of SMA-FRP Composite Bars in Seismic Regions under Corrosion Conditions", World Academy of Science, Engineering and Technology, April 2016 Vol. 2016, Num. 3, Page 129-133, April 2016,
- 25 Abdolhosein Mohammadrahimi, Mohammad Reza Khedmati, "Elastic Analysis of Plated Grillages in Ships' Structures using Finite Element Method", Journal of Marine Science and Technology, April 2016 Vol. 15, Num. 1, Page 35-48, April 2016,
- 26 Karim Akbari Vakil Abadi, Mohammad Reza Khedmati, Habib A. Sayyari, "Implementation Of Elastic Hinge For Structural Slender Ship Model Test In Towing Tank", , February 2016 Vol. 2, Num. 2, Page 54-64, February 2016,
- 27 Masoud Pedram, Akbar Esfandiari, Mohammad Reza Khedmati, "Finite element model updating using strain-based power spectral density for damage detection", STRUCTURAL CONTROL & HEALTH MONITORING, February 2016 Vol. 23, Num. 4, Page 1-20, February 2016,
- 28 Rohallah Hadipourgodarzi, Mohammad Reza Khedmati, "AN EXPERIMENTAL INVESTIGATION OF STATIC LOAD CAPACITY OF AL-GFRP ADHESIVELY BONDED SINGLE LAP AND DOUBLE BUTT LAP JOINTS", LATIN AMERICAN JOURNAL OF SOLIDS AND STRUCTURES, August 2015 Vol. 12, Num. 8, Page 1583-1594, August 2015,
- 29 Mohammad Reza Khedmati, Zorareh Hadj MohammadesmaeiNouri, "Analytical simulation of nonlinear elastic-plastic average stress-average strain relationships for un-corroded/both-sides randomly corroded steel plates under uniaxial compression", THIN-WALLED STRUCTURES, January 2015 Vol. 86, Num. 1, Page 132-141, January 2015,

- 30 Pedram Edalat, Mohammad Reza Khedmati, Carlos Guedes Soares, "Free vibration of stiffened open shells with variable radii of curvature using extended Kantorovich-Ritz method", *Ships and Offshore Structures*, December 2014 Vol. 9, Num. 11, Page 1-14, December 2014,
- 31 Karim Akbari Vakil Abadi, Mohammad Reza Khedmati, Mohammad Saeid Seif, "Experimental study on heave and pitch motion characteristics of a wave-piercing trimaran", *TRANSACTIONS OF FAMENA*, December 2014 Vol. 38, Num. 3, Page 13-26, December 2014,
- 32 Masoud Nazari, Mohammad Reza Khedmati, Amirfoad Khalaj, "A numerical investigation into ultimate strength and buckling behavior of locally corroded steel tubular members", *LATIN AMERICAN JOURNAL OF SOLIDS AND STRUCTURES*, November 2014 Vol. 11, Num. 6, Page 1063-1076, November 2014,
- 33 Abbas Bayatfar, Mohammad Reza Khedmati, Philippe Rigo, "Residual ultimate strength of cracked steel unstiffened and stiffened plates under longitudinal compression", *THIN-WALLED STRUCTURES*, November 2014 Vol. 84, Num. 11, Page 378-392, November 2014,
- 34 Mohammad Reza Khedmati, Ahmadreza Rashedi, "Nonlinear finite element modeling and progressive collapse analysis of a product carrier under longitudinal bending", *APPLIED OCEAN RESEARCH*, October 2014 Vol. 48, Num. 10, Page 80-102, October 2014,
- 35 Pouria Bahrami Ataabadi, Mohammad Reza Khedmati, Mostafa Bahrami Ataabadi, "Free Vibration Analysis of Orthotropic Thin Cylindrical Shells with Variable Thickness by Using Spline Functions", *LATIN AMERICAN JOURNAL OF SOLIDS AND STRUCTURES*, September 2014 Vol. 11, Num. 12, Page 2099-2121, September 2014,
- 36 Fattaneh Morshedsolouk, Mohammad Reza Khedmati, "Parametric study on average stress-average strain curve of composite stiffened plates using progressive failure method", *LATIN AMERICAN JOURNAL OF SOLIDS AND STRUCTURES*, September 2014 Vol. 11, Num. 12, Page 2203-2226, September 2014,
- 37 Mohsen Mohammadi, Mohammad Reza Khedmati, Karim Akbari Vakil Abadi, "Effects of hull damage on global loads acting on a trimaran ship", *Ships and Offshore Structures*, September 2014 Vol. 9, Num. 12, Page 1-12, September 2014,
- 38 Mohammad Reza Khedmati, Hamid Reza Memarian, Manouchehr Fadavie, Mohammad Reza Zareei, "Empirical formulations for estimation of ultimate strength of continuous aluminium stiffened plates under combined transverse compression and lateral pressure", *Ships and Offshore Structures*, September 2014 Vol. 9, Num. 12, Page 1-10, September 2014,
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Portal Records

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- 120 Mohammad Reza Khedmati, "A parametric study of the buckling/plastic collapse behaviour and strength of continus stiffened plates under combined biaxial compression and lateral pressure ", , May 2002
- 121 Mohammad Reza Khedmati, "Some considerations on welding-induced imperfections for buckling/plastic collapse analysis of ship structural members and systems ", , March 2002
- 122 Mohammad Reza Khedmati, "Nonlinear Analysis of Continuous Plates Subjected to Combined Biaxial Compression and Lateral Pressure Based on Analytical Methods ", , February 2001
- 123 Mohammad Reza Khedmati, "An analysis of torsion in open ships ", , March 1995

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1	Mechanics Of Materials (II)	Study of Complementary Topics of the Strength of Materials Subject		Spring 2021
2	Finite Element Method & Advanced Numerical Analysis	Introduction to Finite Element Method		Spring 2021
3	Design of Ship Structures	Study of Different Topics related to Design of Ship Hull Structures		Fall 2020
4	Ship Introduction	Identification of ships		Fall 2020
5	(Ship Structures (1	Study of ship structural components and their characteristics		Spring 2020
6	Finite Element Method & Advanced Numerical Analysis	Introduction to Finite Element Method		Spring 2020
7	Ship Introduction	Identification of ships		Fall 2019
8	Design of Ship Structures	Study of Different Topics related to Design of Ship Hull Structures		Fall 2019