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h-index (Scopus):

5

Citations (Scopus):

86



Supervised MSc Theses

#	Thesis title	By	Date
1	Determining linear viscoelastic properties from indentation test results with finite element solutions	Heydar Savaed & Maryam Ghasabzadeh	October 2021
2	Vibration Control of COD Engine using Active Engine Mount	Homayoon Khavari & Maryam Ghasabzadeh	May 2021
3	Design of controller for autonomous vehicle to turning with obstacle avoidance	Zahra Naseri & Maryam Ghasabzadeh	July 2020
4	Minimize energy consumption in welding serial robot considering the shortest time	Ehsan Sharafian Moghaddam & Maryam Ghasabzadeh	February 2020
5	Dimensional and Geometrical Tolerance Analysis of Welding Assembly of Two Flexible Sheet Metal Parts	Parisa Omidvar & Maryam Ghasabzadeh	February 2020
6	Modeling, Dynamic Analysis of path optimization of Vehicle Production Line Manipulator with the Aim of Automating the Production Line	Mehrdad Ghadrddan Javan & Maryam Ghasabzadeh	July 2019
7	Fractional controller design of temperature and implementation of an electric furnace	Mostafa Pirasteh Moghadam & Maryam Ghasabzadeh	February 2019
8	Simultaneous-local faults diagnosis of gearbox using signal processing	Saeede Hasanpoor Yamchi & Maryam Ghasabzadeh	February 2019
9	Stabilization of six-wheeled vehicle with independent active suspension	Kiarash Khadem & Maryam Ghasabzadeh	February 2019

10	optimization of fixture layout for auto body parts welding	Milad Khodabandeh & Maryam Ghasabzadeh	February 2018
11	Plate vibration of bridges span under random excitation of moving vehicles	Mohammadreza Rajabi & Maryam Ghasabzadeh	November 2016
12	Design, modeling, and simulation of variable valve lift mechanism to improve an internal combustion	Ebrahim Karimi & Maryam Ghasabzadeh	October 2016
13	Longitudinal and lateral vibration of drill string considering effect of contact between the drill string and the wellbore wall	Akbar Ahmadi & Maryam Ghasabzadeh	February 2016
14	Modeling, simulation and analysis of dynamic behavioral of mechanical-hydraulic system of continuous variable valve timing	Behnam Sheikhshoaie & Maryam Ghasabzadeh	February 2016

Books

#	Title	Author(s)	Publisher country	publication date	version
Portal Records					
1	Theory and problems of finite element analysis	Maryam Ghasabzadeh, Ahmad Mamandi	Iran (Islamic Republic of)	September 2016	1

Journal Papers

Portal Records					
1	Ehsan Sharafian Moghaddam, Afshin Taghvaeipour, Maryam Ghasabzadeh, "Revisiting screw theory-based approaches in the constraint wrench analysis of robotic systems", ROBOTICA, September 2021 Vol. 0, Num. 0, Page 1-25, September 2021,				
2	Ali Kordi, Saeed Adibnazari, Ali Imam, Mohammad Najafi, Maryam Ghasabzadeh, "Preparation and fatigue behavior of graphene-based aerogel/epoxy nanocomposites", MATERIALS TESTING-MATERIALS AND COMPONENTS TECHNOLOGY AND APPLICATION, March 2021 Vol. 63, Num. 2, Page 163-168, March 2021,				
3	Ali Kordi, Saeed Adibnazari, Ali Imam, Mohammad Najafi, Maryam Ghasabzadeh, "Preparation of Nitrogen-Doped Graphene Aerogel/Epoxy Nanocomposites and Experimental Study of Mechanical Properties", International Journal of Advanced Design and Manufacturing Technology, December 2020 Vol. 13, Num. 4, Page 49-55, December 2020,				
4	Ali Kordi, Saeed Adibnazari, Ali Imam, Mohammad Najafi, Maryam Ghasabzadeh, "Preparation of Nitrogen-Doped Graphene Aerogel/Epoxy Nanocomposites and Experimental Study of Mechanical Properties", International Journal of Advanced Design and Manufacturing Technology, December 2020 Vol. 13, Num. 4, Page 49-55, December 2020,				
5	Farshid Allahkarami, Maryam Ghasabzadeh, Hasan Tohidi, "Dynamic buckling analysis of bi-directional functionally graded porous truncated conical shell with different boundary conditions", COMPOSITE STRUCTURES, November 2020 Vol. 252, Num. 0, Page 0-0, November 2020,				
6	Somaye Mohammadi, Maryam Ghasabzadeh, "six-wheel skid-steered robo-car: design consideration", , February 2020 Vol. 8, Num. 16, Page 43-56, February 2020,				
7	Milad Khodabandeh, Maryam Ghasabzadeh, Abdolreza Ohadi Hamadani, "Multi-objective optimization of auto-body fixture layout based on an ant colony algorithm", PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART C-JOURNAL OF MECHANICAL ENGINEERING SCIENCE, December 2019 Vol. 0, Num. 0, Page 0-0, December 2019,				
8	Farshid Allah Karami, Maryam Ghasabzadeh, Nikkhhah Bahrami, "NONLINEAR FORCED VIBRATION OF CURVED MICROBEAM RESTING ON NONLINEAR FOUNDATION USING THE MODIFIED STRAIN GRADIENT THEORY", International Applied Mechanics, November 2018 Vol. 54, Num. 6, Page 718-738, November 2018,				

- 9 Milad Khodabandeh, Maryam Ghasabzadeh, Abdolreza Ohadi Hamadani, "Fixtures clamp layout optimization for sheet metal with initial variation based on ant colony algorithm", , May 2018 Vol. 18, Num. 3, Page 380-388, May 2018,
- 10 Farshid Allah Karami, Nikkiah Bahrami, Maryam Ghasabzadeh, "Nonlinear forced vibration of FG-CNTs-reinforced curved microbeam based on strain gradient theory considering out-of-plane motion", STEEL AND COMPOSITE STRUCTURES, April 2018 Vol. 26, Num. 6, Page 673-691, April 2018,
- 11 Maryam Ghasabzadeh, "The methods for meshing stiffness estimation of spur gear", , October 2017 Vol. 6, Num. 12, Page 67-79, October 2017,
- 12 Farshid Allah Karami, Mansor Nikkiah Bahrami, Maryam Ghasabzadeh, "Damping and vibration analysis of viscoelastic curved microbeam reinforced with FG-CNTs resting on viscoelastic medium using strain gradient theory and DQM", STEEL AND COMPOSITE STRUCTURES, October 2017 Vol. 25, Num. 2, Page 141-155, October 2017,
- 13 Farshid Allahkarami, Nikkiah Bahrami, Maryam Ghasabzadeh, "Magneto-thermo-mechanical dynamic buckling analysis of a FG-CNTs-reinforced curved microbeam with different boundary conditions using strain gradient theory", International Journal of Mechanics and Materials in Design, May 2017 Vol. 0, Num. 0, Page 1-19, May 2017,
- 14 Maryam Ghasabzadeh, "The effect of nonlinearity on unstable zones of Mathieu equation", PRAMANA-JOURNAL OF PHYSICS, March 2017 Vol. 88, Num. 3, Page 45-55, March 2017,
- 15 Farshid Allah Karami, Maryam Ghasabzadeh, "Free vibration analysis of thin to relatively thick two dimensional functionally graded cylindrical shell based on first order shear deformation theory", , April 2016 Vol. 46, Num. 1, Page 15-28, April 2016,
- 16 Hassan Ghassemi, Morteza Ghassabzadeh Saryzadi, Maryam Ghasabzadeh, "Effect of material on hydro-elastic behaviour of marine propeller by using BEM-FEM hybrid software", POLISH MARITIME RESEARCH, December 2013 Vol. 20, Num. 80, Page 62-70, December 2013,
- 17 Morteza Ghassabzadeh, Hassan Ghassemi, Maryam Ghasabzadeh, "Determination of Hydrodynamics Characteristics of Marine Propeller Using Hydro-elastic Analysis", journal of Brodogradnja, April 2013 Vol. 64, Num. 1, Page 40-45, April 2013,






Conference Papers

Portal Records

- 1 Somaye Mohammadi, Maryam Ghasabzadeh, "Dynamic analysis of a six-wheel vehicle with an articulated suspension in robotic mode ", the 10th International Conference on Acoustics and Vibration, February 2021
- 2 Farshid Allahkarami, Maryam Ghasabzadeh, Hasan Tohidi, "Dynamic buckling of bi-directional functionally graded porous Timoshenko nanobeam ", the 9th International Conferences on the Acoustics and Vibration, December 2019
- 3 Farshid Allah Karami, Maryam Ghasabzadeh, Hasan Tohidi, "The effects of damping and porosity on the vibration of functionally graded viscoelastic curved microbeam resting on Visco-Pasternak elastic foundation ", 8th International Conference on Acoustics and Vibration, December 2018
- 4 Somaye Mohammadi, Maryam Ghasabzadeh, "Dynamic Analysis of 6WD skid-steering robot car in turning on an inclined surface ", 8th International Conference on Acoustics and Vibration, December 2018
- 5 Somaye Mohammadi, Maryam Ghasabzadeh, "Dynamic analysis of a 4 and 6-wheel skid-steer vehicle with change in position of CG ", 7th International Conference on Acoustics and Vibration, November 2017
- 6 Ebrahim Karimi, Maryam Ghasabzadeh, Abdolreza Ohadi Hamadani, "Design of Continuously Variable Valve Lift Mechanism for an Internal Combustion Engine ", 25th Annual International Mechanical Engineering Conference, May 2017
- 7 Allahkarami, Nikkiah Bahrami, Maryam Ghasabzadeh, "free vibration of FGM curved micro beam based on a modified couple stress theory ", 6th International Conference on Acoustics and Vibration, December 2016
- 8 Maryam Ghasabzadeh, "The Effect of coulomb Friction on Transmission Error of Spur Gear ", 24th annual international conference on mechanical engineering, April 2016

- 9 Maryam Ghasabzadeh, "Determination of stable and unstable regions of Mathieu equation using the homotopy perturbation method ", THE FIFTH INTERNATIONAL CONFERENCE ON MATHEMATICAL SCIENCES, March 2016
- 10 Parisa Azari, Maryam Ghasabzadeh, "solution of water hammer equations using the new iterative method ", 1st National Conference on Mathematics and Engineering science with Applied Knowledge Approach, December 2015
- 11 Allahkarami, Tohidi, Maryam Ghasabzadeh, "application of Ritz method in the buckling analysis of simply supported FGM truncated conical shell ", Second National Conference on Applied Research in Electrical, Mechanical and Mechatronic, February 2015
- 12 Maryam Ghasabzadeh, Ali Dorostghool, "The smart choice for training the neural network to fault detection of gearbox ", 9th Condition Monitoring & Fault Detection conference, February 2015
- 13 Allahkarami , Tohidi, Maryam Ghasabzadeh, "Free vibration analysis of two directional functionally graded cylindrical shell based on first order shear deformation theory ", 4th International Conference on Acoustics and Vibration, December 2014
- 14 Maryam Ghasabzadeh, Mohammad Hassan Ghaffari Saadat, "Detecting backlash and crack in torsional vibration of a gear train system ", International Mechanical Engineering Congress and Exposition, symposium on Dynamics, Acoustics and Simulations, November 2002

Taught Courses

#	Course title	Description	Headlines	Date
1	Design of Component (II)	Design of rolling contact bearings- belts- chains- gears- clutch and brakes		Fall 2021
2	Design of Machine Elements (I)	design process, engineering mechanics and materials, failure prevention under static and variable loading, design of shafts, design of screws, design of welding, design of springs		Spring 2021
3	Dynamics (II)	three dimensional kinematics and kinetics of rigid body		Spring 2021
4	Engineering Design Methods	Engineering Design process, legal and ethical issues in Engineering Design, Economic in Engineering Design		Spring 2021
5	Design of Component (II)	Design of rolling contact bearings- belts- chains- gears- clutch and brakes		Fall 2020

Inventions/Patents

#	Invention title	Reg. number	Country	contributors	Reg. date	Exp. date
1	Rotary Damping	US 11035430 B2			2021/06/1	2024/12/1
2	The Damper for the rotating vibration with the ability to disconnect from the shaft	98106			2019/03/1	2038/01/19

