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h-index (Scopus):
6
Citations (Scopus):
86

Supervised MSc Theses

#	Thesis title	By	Date
1	Experimental Investigation on the Effect of Machining Parameters on Electro-Chemical Corrosion Resistance of Machined Parts Produced by 1D Ultrasonic Assisted Turning	Faramarz Mehdikhani & Mohsen Khajehzadeh	October 2021
2	Welding Reinforcement Cold Work Effect to Create Compressive Residual Stresses	Reza Rostami & Mohsen Khajehzadeh	October 2021
3	Experimental Study on the effect of Hybrid Laser Ultrasonic Surface Hardening Process on AISI 4140 Fatigue Strength	Hossein Taheri & Mohsen Khajehzadeh	September 2021
4	Fabrication and study of mechanical characterization of polycaprolactone based scaffold for dental applications by 3D bioprinting	Mohammadmahan Taghavifarahi & Mohsen Khajehzadeh	September 2021
5	Experimental study on the effect of magnetic field on tool wear during electrochemical discharge drilling	Hamed Jafarnia & Mohsen Khajehzadeh	August 2021
6	Bio-printing Software Development to Modify Printing Path for a 3D Bio-Printer	Masumeh Mansour & Mohsen Khajehzadeh	July 2021
7	Experimental Investigation on the Effect of Residual Stresses and Surface Roughness induced by Roller Burnishing Process on Corrosion Resistances	Daniyal Sayadi & Mohsen Khajehzadeh	July 2021
8	Experimental study on the effect of ultrasonic vibration on tool wear in electrochemical discharge drilling	Mohammad Bagheri & Mohsen Khajehzadeh	June 2021
9	Experimental investigation and finite element simulation of heat distribution in laser assisted grinding	Mohsen Nadi & Mohsen Khajehzadeh	September 2020

10	Experimental Study and Finite Element Simulation of Residual Stress in Laser Assisted Turning	Aref Bakhtiari Renani & Mohsen Khajehzadeh	September 2020
11	Simulation and optimization of an isothermal region via PCB electrodes for using in a micro-PCR device	Shaghayegh Mesforoush Mashhad & Mohsen Khajehzadeh	July 2020
12	Experimental Study and Finite Element Simulation of Cutting Force and Temperature in Laser Assisted Milling	Akhtar Haji Esmaeilzadeh & Mohsen Khajehzadeh	February 2020
13	Experimental investigation and Theoretical modeling of tool mean temperature during ultrasonic elliptical vibration turning	Mahdi Ghaderi & Mohsen Khajehzadeh	February 2019
14	Experimental investigation of cutting tool flank wear in ultrasonic elliptical assisted turning	Omid Boostanipour & Mohsen Khajehzadeh	February 2019
15	Experimental Study and Finite Element Simulation of Residual Stress in Heat Assisted Turning	Sepideh Amirhoseini & Mohsen Khajehzadeh	February 2018
16	Experimental investigation and finite element simulation of residual stresses during ultrasonic and Plasma assisted turning	Behnam Mehrabi & Mohsen Khajehzadeh	February 2018

Books

#	Title	Author(s)	Publisher country	publication date	version
	Portal Records				
1	Fundamentals of Machining and Machine Tools	Mohammad Reza Razfar, Mohsen Khajehzadeh	Iran (Islamic Republic of)	November 2019	1
2	Machine Components Design (Mechanical Systems)	Mehdi Akhlaghi, Mohsen Khajehzadeh	Iran (Islamic Republic of)	February 2017	1

Journal Papers

Portal Records

1. Yahya Choopani, Mohsen Khajehzadeh, Mohammad Reza Razfar, "Novel polishing media based on fiber for finishing hip joint implants", INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY, September 2021 Vol. 0, Num. 0, Page 1-17, September 2021,

2. Yahya Choopani, Mohsen Khajehzadeh, Mohammad Reza Razfar, "Development of fiber flow finishing (FFF) process for polishing hip prostheses", Journal of Manufacturing Processess, July 2021 Vol. 68, Num. 0, Page 1245-1260, July 2021,

3. Omid Rohani Raftar, Mahdi Kaveh, Mohsen Khajehzadeh, Abdolreza Rahimi, Mohammad Reza Razfar, "Nano-lubricant influence on surface residual stresses in hard milling", PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART E-JOURNAL OF PROCESS MECHANICAL ENGINEERING, March 2021 Vol. 0, Num. 0, Page 1-12, March 2021,

4. Yahya Choopani, Mohsen Khajehzadeh, Mohammad Reza Razfar, "Optimal parameters of abrasive flow finishing for hip joint implants", PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART B-JOURNAL OF ENGINEERING MANUFACTURE, February 2021 Vol. 0, Num. 0, Page 1-14, February 2021,

5 Mohsen Khajehzadeh, Seyyed Sajjad Ahmadpoor, Omid Rohani Raftar, Mohammad Reza Beyki Sarveolya, Mohammad Reza Razfar, "Process parameters influence on cutting force and surface roughness during hybrid laser- and ultrasonic elliptical vibration-assisted machining", JOURNAL OF THE BRAZILIAN SOCIETY OF MECHANICAL SCIENCES AND ENGINEERING, January 2021 Vol. 0, Num. 0, Page 1-17, January 2021,

6 Yahya Choopani, Mohsen Khajehzadeh, Mohammad Reza Razfar, "Using inverse replica fixture technique for improving nano-finishing of hip joint implant in abrasive flow finishing process", INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY, September 2020 Vol. 0, Num. 0, Page 1-16, September 2020,

7 Soheil Amiri, Mohsen Khajehzadeh, Mohammad Reza Razfar, "Magnetic field and ultrasonic aided laser drilling effect on Ti6Al4V microstructural characteristics", MATERIALS AND MANUFACTURING PROCESSES, August 2020 Vol. 0, Num. 0, Page 1-10, August 2020,

8 Moosa Arsalani, Mohammad Reza Razfar, Amir Abdullah, Mohsen Khajehzadeh, "Fatigue behavior improvement of hardened parts using sequential hard turning, grinding, and ball burnishing operations", PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART L-JOURNAL OF MATERIALS-DESIGN AND APPLICATIONS, August 2020 Vol. 0, Num. 0, Page 1-13, August 2020,

9 Mohsen Khajehzadeh, Mohammad Reza Razfar, "Process parameters influence on laser-assisted machining-induced residual stresses", MATERIALS AND MANUFACTURING PROCESSES, July 2020 Vol. 0, Num. 0, Page 1-10, July 2020,

10 Mohsen Khajehzadeh, Omid Boostanipour, Mohammad Reza Razfar, "Finite Element Simulation and Experimental investigation of Residual Stresses in Ultrasonic Assisted Turning", ULTRASONICS, June 2020 Vol. 108, Num. 106208, Page 0-0, June 2020,

11 Mohsen Khajehzadeh, Omid Boostanipour, Soheil Amiri, Mohammad Reza Razfar, "The influence of ultrasonic elliptical vibration amplitude on cutting tool flank wear", PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART B-JOURNAL OF ENGINEERING MANUFACTURE, June 2020 Vol. 0, Num. 0, Page 1-14, June 2020,

12 Mohsen Khajehzadeh, Mohammad Reza Razfar, "Experimental Study of Machining Residual Stresses in Plasma Assisted Turning Process", , May 2020 Vol. 0, Num. 0, Page 1-19, May 2020,

13 Yahya Choopani, Mohsen Khajehzadeh, Mohammad Reza Razfar, "Optimization of parameters affecting the magnetic abrasive finishing process using response surface method", , April 2019 Vol. 0, Num. 0, Page 1-16, April 2019,

14 Mohsen Khajehzadeh, Javad Moradpour, Mohammad Reza Razfar, "Influence of nanolubricant particles' size on flank wear in hard turning", MATERIALS AND MANUFACTURING PROCESSES, December 2018 Vol. 0, Num. 0, Page 1-8, December 2018,

15 Mohsen Khajehzadeh, Javad Moradpour, Mohammad Reza Razfar, "Influence of nanofluids application on contact length during hard turning", MATERIALS AND MANUFACTURING PROCESSES, August 2018 Vol. 0, Num. 0, Page 1-9, August 2018,

16 Naser Abbasi, Mohammad Reza Razfar, Mohsen Khajehzadeh, "Experimental Investigation and Finite difference modeling of cutting tool temperature distribution during ultrasonically assisted turning", , May 2018 Vol. 50, Num. 3, Page 657-670, May 2018,

Conference Papers

Portal Records

1 Shaghayegh Mesforoush Mashhad, Amir Jahanshahi, Mohsen Khajehzadeh, "Finite element simulation of isothermal regions in serpentine shaped PCB electrodes of a micro-PCR device ", (27th Iranian Conference on Electrical Engineering (ICEE 2019, April 2019

2 Omid Rohani Raftar, Mohsen Khajehzadeh, Mohammad Reza Razfar, "Multi Criteria Optimization of Laser Percussion Drilling Parameters on Titanium Alloy Sheet Ti6Al4V ", 27th Annual International Conference on Mechanical Engineering, April 2019

3 Yahya Choopani, Mohammad Bayat, Mohsen Khajehzadeh, Mohammad Reza Razfar, "Principles of Design and Analysis of 12-Speed Gearbox Machine Lathe using Step-by-Step Method ", 27th Annual International Conference on Mechanical Engineering, April 2019

4 Majid Karimi Rizi, Behnam Mehrabi, Sepideh Amirhoseini, Mohsen Khajehzadeh, Mohammad Reza Razfar, "Finite element Simulation and Experimental Study of the cutting tool rake angle effect on the residual stresses during machining 20NiCrMo5 Steel ", 25th Annual International Conference on Mechanical Engineering, May 2017

5 Yasaman Baradaran, Mohsen Khajehzadeh, "Experimental investigation of the effect of TiO2 nano fluids on cutting tool crater wear using 3D scanner ", 25th Annual International Conference on Mechanical Engineering, May 2017

6 Sepideh Amirhoseini, Behnam Mehrabi, Majid Karimi Rizi, Mohammad Reza Razfar, Mohsen Khajehzadeh, "Finite Element Study of cutting parameters effects on residual stresses during the machining of Ti-6AL-4V ", 25th Annual International Conference on Mechanical Engineering, May 2017

7 Masoud Barza, Mohsen Khajehzadeh, Majid Kavousi, "Finite Element Simulation and Experimental Study of Ramp Up and Holding Time on Seat Belt Anchorage Test according to ECE R14 and FMVSS 207 ", The Biennial International Conference on Experimental Solid Mechanics, February 2016

8 Masoud Barza, Mohsen Khajehzadeh, "Finite Element Simulation and Experimental Study of Luggage test according to ECE R17 using LS Dyna ", The Biennial International Conference on Experimental Solid Mechanics, February 2016

9 Masoud Barza, Mohsen Khajehzadeh, Mina Beheshti, "Car Seat Design to improve Rear Seat Strength during Seat Belt Anchorage test According to ECE R14 ", The Biennial International Conference on Experimental Solid Mechanics, February 2016

Taught Courses

#	Course title	Description	Headlines	Date
1	Special Topics (Metal Cutting Mechanics)	The purpose of this course is to give students basic training in the operation of machine tools and metal cutting process. In addition, the students will be trained with the latest developments in conventional machining processes.		Fall 2021
2	Advanced Mathematics (I)	It is intended to introduce students of mechanical engineering to those areas of applied mathematics that are most relevant for solving practical problems.		Fall 2021
3	Design of Machine Elements (I)	The goal of the course is to enable students to apply engineering fundamentals to machine component design and to use material properties in the selection of materials for various applications		Fall 2021
4	Design of Component (II)	The goal of the course is to enable students to apply engineering fundamentals to machine component design and to use material properties in the selection of materials for various applications		Spring 2021
5	Special Topics (Metal Cutting Mechanics)	The purpose of this course is to give students basic training in the operation of machine tools and metal cutting process. In addition, the students will be trained with the latest developments in conventional machining processes.		Spring 2021
6	Design of Machine Elements (I)	The goal of the course is to enable students to apply engineering fundamentals to machine component design and to use material properties in the selection of materials for various applications		Fall 2020