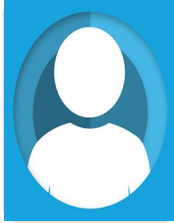




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1612

Supervised MSc Theses

#	Thesis title	By	Date
1	Improving the properties of polymer-wood filament by preimpregnation for the production of polymer-wood composite by FDM 3D printing.	Mehdi Gholami & S.Reza Ghaffarian Anbaran	February 2022
2	Study of process parameters and materials in the production of laminate cell composite through compression molding of polyolefin foams and investigation of structural, dimensional and adhesion stability between layers.	Saeid Khodaei & S.Reza Ghaffarian Anbaran	October 2021
3	Curing Induced Phase Separation and Carbon Black Nano-assembly in Epoxy Resin	Hoda Mahjub & S.Reza Ghaffarian Anbaran	September 2021
4	synthesis polyaniline/titanium dioxide/Graphene gas sensor for food spoilage detection	Shaghayegh Haghghat & S.Reza Ghaffarian Anbaran	September 2021
5	Improving ductility of composite bars with experimental test	Mohammad Amin Mirdarsoltany & S.Reza Ghaffarian Anbaran	August 2021
6	Manufacturing of wood-polymer composites based on PLA via 3D-printing method/ investigating the processing and material conditions	Parisa Vahedi & S.Reza Ghaffarian Anbaran	February 2021
7	Preparation and characterization of biocompatible acrylate resin application in 3D printers with photocure ability to fabricate soft tissue substitute implants	Alireza Keyhazadeh & S.Reza Ghaffarian Anbaran	January 2021

8	Synthesis and evaluation of rheological behavior of supramolecular block copolymers	Erfan Yari & S.Reza Ghaffarian Anbaran	December 2020
9	experimental study of the design and construction of polyurethane foam filled with shock absorbing borated silicone supermolecule materials	Hamidreza Shadman & S.Reza Ghaffarian Anbaran	September 2020
10	Investigation of grafting of dangling chains to polyurethane networks and the effect of structural and process parameters on surface properties of the coatings	Abolfazl Golmohammadian Tehrani & S.Reza Ghaffarian Anbaran	September 2020
11	Preparation and evaluation of gaseous sensor performance based on polyaniline deposited on electrospun fibers containing metal oxide nanoparticles, for detection of volatile nitrogenous compounds produced in spoiled fishery products	Reyhane Jahangiri Esfahani & S.Reza Ghaffarian Anbaran	August 2020
12	preparation and evaluation of gaseous sensor performance based on polyaniline deposited on electrospun fibers containing CNT for detection of volatile nitrogenous compounds produced in spoiled fishery products	Fatemeh Teimoury & S.Reza Ghaffarian Anbaran	February 2020
13	investigation on microwave assisted solid-state microcellular foaming of PE/PE composites containing CNT nanoparticles	Mohammad Hassan Aghvami Panah & S.Reza Ghaffarian Anbaran	February 2020
14	experimental and theoretical investigation of microstructure evaluation of nanocomposites based on epoxy and polyflourine resins containing nanofiller during crosslinking	Armita Sharifi & S.Reza Ghaffarian Anbaran	July 2019
15	Investigation of Solid-State Microcellular Foaming Mechanism of Thermoplastics Reinforced with Fiber and Nanoparticle	Mehrnaz Shahbazi & S.Reza Ghaffarian Anbaran	February 2019
16	Investigating the effect of processing parameters and conditions in the manufacturing of selective conductive polymer nanocomposite by fused deposition in 3D printing	Keyvan Garoosi & S.Reza Ghaffarian Anbaran	February 2018
17	Electrospinning of supramolecular based on UPy	Bahar Bazeli & S.Reza Ghaffarian Anbaran	February 2018
18	Microstructure and mechanical properties of polypropylene/ polypropylene and polypropylene/ aluminum 2024 friction stir welds	Seyed Ali Moochani & S.Reza Ghaffarian Anbaran	January 2018
19	Manufacturing of Supramolecular NanoComposites Based on Chitosan and Graphene Oxide/CNT	Pouria Falamarzpour & S.Reza Ghaffarian Anbaran	October 2017
20	design and fabrication of polymer/CNT conductive nano composite vapor sensors to detect H ₂ S gas	Arezo Dashti & S.Reza Ghaffarian Anbaran	February 2017
21	Optimization of piezoelectric in FGM cylindrical panel with PFRC layers using genetic algorithms	Saman Mohammad Nabi & S.Reza Ghaffarian Anbaran	October 2014
22	Investigating reversibility of ionic secondary bond in supramolecules	Amin Javani & S.Reza Ghaffarian Anbaran	February 2014
23	Investigating the effect of sulfon-modified nano particles in ion exchange membranes for fuel cell application	Seed Amadodin Shakeri & S.Reza Ghaffarian Anbaran	October 2013

24	Investigation of impact properties in microcellular pp/pp composite	Ali Ghafury Vaighan & S.Reza Ghaffarian Anbaran	October 2013
25	Investigation the effect of azolic modified nanoparticles on the performance of ion exchange nanocomposite membranes for fuel cell applications	Mahdi Tohidian & S.Reza Ghaffarian Anbaran	September 2013
26	Synthesis of carbon foam & investigation the effect of processing parameters on its micro structure & mechanical properties	Hooman Hosseini & S.Reza Ghaffarian Anbaran	February 2013
27	Investigation of crystallization self-reinforced polypropylene composites with nanoclay particles and the effect of microcellular foaming on their crystallization structure	Seyfolah Jamalpour & S.Reza Ghaffarian Anbaran	November 2012
28	Investigating the material and process parameters on manufacturing of polypropylene/polypropylene microcellular composite with nanoclay particles	Seyyed Tohid Ghaznavi & S.Reza Ghaffarian Anbaran	October 2012
29	Investigation of reversible bonds presence on the performance of smart electro- active mendable structures	Amir Jangi Zehi & S.Reza Ghaffarian Anbaran	February 2012
30	Synthesis of side - chain cholesteric liquidcrystal polymers based on acrylic backbone and investigation of the effect of chiral	Mahdi Roohnikan & S.Reza Ghaffarian Anbaran	January 2012
31	Study of mutual effect of crystallinity ,nucleation and growth in polyethylene nanocomposite microcellular foams	Elham Rezvan Panah & S.Reza Ghaffarian Anbaran	January 2012
32	synthesis of cured microporous polyurethane with appropriate mechanical properties as electro-active actuator	Zahra Khubi Arani & S.Reza Ghaffarian Anbaran	January 2011
33	the effectof magneto ionic nanoparticles on the performance of electroactive polymerr nanocomposite based on IPMC	Noushin Hasanabadi & S.Reza Ghaffarian Anbaran	January 2011
34	Functionalization of magnetic nanoparticle with molecular structure	Shohreh Asgari & S.Reza Ghaffarian Anbaran	October 2010
35	Investigations on the effect of crosslinking and nano reinforcement on the ipccs matrix performance	Nassir Mokarram Dorri & S.Reza Ghaffarian Anbaran	March 2009
36	Effect of porosity on the response of the vapor sensors based on cellular nanocomposites with acrylic matrix	Ehsan Danesh & S.Reza Ghaffarian Anbaran	January 2009
37	STUDY OF SOME OF THE PROCESSING PARAMTERS ON THE PRODUCTION OF MICROCELLULAR NANO REINFORCED PET	Hossein Izadi Vasafi & S.Reza Ghaffarian Anbaran	June 2008
38	INVESTIGATION ON THE ROLE OF LAMINATING ON SHORT TIME EFFICIENCY OF MICRO GENERATORS BASED ON EAP SMART COMPOSITES	Davoud Zamani & S.Reza Ghaffarian Anbaran	December 2007
39	DESIGN AND MANUFACTURING OF LINEAR ACTUATOR BASED ON SMART ELECTERO-ACTIVE COMPOSITES	Narges Yousefi Mehr & S.Reza Ghaffarian Anbaran	October 2007

40	HIGH CARBON YIELD CARBON FOAM PRECURSER SYNTHESIS AND STUDY ON SOME EFFECTIVE PROCESSING PARAMETER ON FOAM CELL MORPHOLO	Ata Taghizadeh & S.Reza Ghaffarian Anbaran	March 2007
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Journal Papers

Portal Records

- 1 Mahdi Tohidian, S.Reza Ghaffarian Anbaran, "Polyelectrolyte nanocomposite membranes based on chitosan and surface modified multi-walled carbon nanotubes for use in fuel cell applications", JOURNAL OF MACROMOLECULAR SCIENCE PART A-PURE AND APPLIED CHEMISTRY, July 2021 Vol. 58, Num. 11, Page 778-791, July 2021,
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Conference Papers

Portal Records









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- 6 Payam Molla Abbasi, S.Reza Ghaffarian Anbaran, "Physical Decoration of CNTs in Conductive Polymer Composites: A high Performance Vapor Detector ", 11th International Seminar on Polymer Science and Technology, October 2014
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Taught Courses

#	Course title	Description	Headlines	Date
1	Reinforced Plastics	Introducing the fundamentals and advanced design calculations and processing of composites		Spring 2022
2	Heat Transfer	To become familiar with the fundamentals and calculations in heat transfer		Spring 2022
3	Composite Engineering	Introducing the fundamentals of micromechanical design calculation and materials for composite structures		Spring 2022
4	Advanced Resins for Surface Coatings	ارائه مبانی محاسباتی رزینها تولیدی به روش افزایشی و مطالعه موردی چند رزین مهم از این گروه		Fall 2021
5	Heat Transfer	To become familiar with the fundamentals and calculations in heat transfer		Fall 2021
6	Composite Engineering	Introducing the fundamentals of micromechanical design calculation and materials for composite structures		Fall 2021
7	Reinforced Plastics	Introducing the fundamentals and advanced design calculations and processing of composites		Spring 2021
8	Heat Transfer	To become familiar with the fundamentals and calculations in heat transfer		Spring 2021

9 Heat Transfer

To become familiar with the fundamentals and calculations in heat transfer



Spring
2021

10 Composite Engineering

Introducing the fundamentals of design calculation and processing of composite structures



Spring
2021