



Amirkabir University of Technology
(Tehran Polytechnic)



Vahid Haddadi Asl

Professor

**Department of Polymer Engineering
polymerization industry**

Email:

haddadi@aut.ac.ir

Phone:

h-index (Scopus):

37

Citations (Scopus):

3394

Supervised MSc Theses

#	Thesis title	By	Date
1	Preparation of PLGA core-shell particles and model molecule to investigate the effect of synthesis method on release rate	Zahra Roshan & Vahid Haddadi Asl	March 2022
2	Synthesis and characterization of polydopamine based capsules via hard template : investigation of loading and release of drugs	Elahe Abdolahi & Vahid Haddadi Asl	September 2021
3	Preparation of Poly Dopamine Capsules via Pickering emulsion to study drug release	Mastoure Shirjandi & Vahid Haddadi Asl	September 2021
4	Polyethylene wax synthesis by metallocene catalyst	Ali Khosravani Moghadam & Vahid Haddadi Asl	September 2021
5	polyethylene wax synthesis using metallocene catalyst	Paria Gholami Khoshganab & Vahid Haddadi Asl	September 2021
6	Synthesis of functionalized graphene ribbons/p-type conductive polymer nanocomposites as novel efficient electrode materials in supercapacitors	Hanie Ahmadi & Vahid Haddadi Asl	September 2020
7	In situ Ziegler-Natta polymerization of nanocomposite of polypropylene/modified halloysite	Pegah Sheikh & Vahid Haddadi Asl	February 2020
8	In situ Ziegler-Natta polymerization of nanocomposite of polyethylene/modified halloysite	Pouya Jafari & Vahid Haddadi Asl	February 2020
9	synthesis of bionanocomposites based on halloysite nanotubes/polydopamine and investigation of loading and release of model molecule	Fatemeh Khanipoor & Vahid Haddadi Asl	October 2019

10	In- situ polymerization of Polyurethane nanocomposites in the presence of functionalized halloysite nanoparticles with Fe ₃ O ₄ for shape memory behavior	Fatemeh Mohammadzadeh & Vahid Haddadi Asl	September 2019
11	Synthesis of TiO ₂ /Graphene oxide Functionalized/ BN nanocomposites for photoelectrocatalytic degradation of air pollutants	Shayeste Shajari & Vahid Haddadi Asl	February 2019
12	Studying the physical and chemical surface modification of carbon nano tube on electrical and mechanical properties of polyurethane nanocomposite	Mehri Haji & Vahid Haddadi Asl	February 2019
13	: studies in presence of Halloysite nanotube in synthesis of polyurethane and its effect on nano polyurethane nano composites	Hadi Olliaie & Vahid Haddadi Asl	February 2019
14	Fabrication and Characterization of Super Hydrophilic Electrospun Poly(L-lactic acid) Fibers for Tissue Engineering Applications	Mojdeh Azarnia & Vahid Haddadi Asl	July 2018
15	Synthesis and influence of CNT on mechanical properties of polyurethane nanocomposite	Mohammad Yazdi & Vahid Haddadi Asl	July 2018
16	Pluronic/nHA /PLGA Investigation and characterization of hydrophilic properties of electrospun nanofibrous PLGA/Pluronic blend and nanocomposite with nanohydroxy apatite	Zahra Kafraashian & Vahid Haddadi Asl	February 2018
17	the effect of the crosslinking degree on the respond behavior of the nanohydrogels based on poly(acrylic acid	Seyedeh Mahnaz Modarresi Saryazdi & Vahid Haddadi Asl	February 2017
18	surface modification of polyethylene and polypropylene device segments with medical applications	Mahsa Hakani & Vahid Haddadi Asl	February 2017
19	preparation and characterization of polyamid-6-b-Ethylene Oxide (PEBAX)- silica Nanocomposite Membrane for Gas Separation.	Zahra Aghaei & Vahid Haddadi Asl	October 2014
20	Designing and fabrication of nano-composite scaffold based on Gelatin and Poly (lactic acide) nanofibers containing hydroxyapatite nanoparticles for bone tissue engineering	Zohre Jalali & Vahid Haddadi Asl	October 2013
21	Polymer grafted nanocrystalline cellulose by RAFT polymerization	Elnaz Zeinali & Vahid Haddadi Asl	October 2013
22	synthesis of temperature resistant polymer based on acrylamide and evaluation of their performance for enhanced oil recovery	Mohammad Ali Pourmohammadi Mahounaki & Vahid Haddadi Asl	September 2013
23	Reversible addition fragmentation chain transfer polymerization of styrene in the presence of a nanoporous filler	Masoud Sobani & Vahid Haddadi Asl	October 2012
24	Preparation of polystyrene nanocomposite in the presence a nanoporous filler by in situ ATRP method	Seyed Ataollah Mirshafiei Langari & Vahid Haddadi Asl	October 2012
25	Study of reversible Addition-fragmentation chain transfer(RAFT) polymerization for synthesizing styrene- diene monomer-styrene(SDMS) triblock copolymer	Pejman Ganjeh Anzabi & Vahid Haddadi Asl	March 2012
26	Preparation of polystyrene with controlled molecular weight in the prescnce of nanoporous MCM-41 via in situ atrp	Abas Asfadi & Vahid Haddadi Asl	February 2012
27	fabrication of PMMA-CNT nanocomposite over in -situ polymerization method	Farid Behboodi Saad Abad & Vahid Haddadi Asl	February 2011
28	synthesis of PMMA over reversible addition - fragmentation chain transfer in - situ polymerization (RAFT-ISP) method in the presence of CNT	Saeid Rahimi Razin & Vahid Haddadi Asl	February 2011

29	Preparation of copoly(styrene-butyl acrylate) clay nanocomposite via ATRP in emulsion	Leila Hatami & Vahid Haddadi Asl	February 2011
30	Preparation of copoly(styrene-butyl acrylate) clay nanocomposite via ATRP in bulk	Leila Ahmadianalam & Vahid Haddadi Asl	February 2011
31	Preparation of polystyrene/clay nano composite via ATRP in Emulsion system	Khezrollah Khezri & Vahid Haddadi Asl	February 2011
32	Design and fabrication of biodegradable hybrid nanostructural scaffolds for cartilage regeneration using mesenchymal stem ctem	Vahid Mohammad Jafar & Vahid Haddadi Asl	December 2008
33	Design and fabrication of nanostructural biodegradable polymer- ceramic composite matrices for the osteogenic differentiation of stem cells	Seyedshahrooz Zargarian & Vahid Haddadi Asl	December 2008
34	CONSIDERATION OF ELECTRON DONATOR (THF) IN ETHYLENE POLYMERIZATION IN THE SLUSHY PHASE REACTOR ON POLYMER PROPERTIES SUC	Mohammad Hossein Bayat & Vahid Haddadi Asl	October 2007
35	MONTECARLO SIMULATION OF ETHYLENE SLURRY POLYMERIZAION BY ZIEGLER-NATTA TYPE CATALYSTS	Mehdi Salami Kalajahi & Vahid Haddadi Asl	October 2007
36	PREPARATION AND PROPERTIES OF POLYETHYLENE / MONTMORILLONITE NACOMPOSITE BY IN SITU PLYMERIZATION	Vahid Karimkhani & Vahid Haddadi Asl	October 2007

Books

#	Title	Author(s)	Publisher country	publication date	version
Portal Records					
1	Principles of Polymerization Engineering (III) Polymerization Methods (Third Edition)	Vahid Haddadi Asl, Hossain Bouhendi	Iran (Islamic Republic of)	May 2021	1
2	Principles of Polymerization Engineering (V) Nanopolymers and polymer nanocomposites	Vahid Haddadi Asl	Iran (Islamic Republic of)	March 2021	1
3	Materials for Biomedical Engineering: Biopolymer Fibers	Elahe Kowsarie, Vahid Haddadi Asl, Farshad Boorboor Ajdari, Jafar Hemmat	United Kingdom	March 2019	1
4	Principles of Polymerization Engineering (III) Polymerization Methodes - Second Edition	Vahid Haddadi Asl, Hossain Bohendi	Iran (Islamic Republic of)	February 2016	1
5	CONDUCTIVE POLYMERS	Vahid Haddadi Asl	Iran (Islamic Republic of)	December 2014	1

Journal Papers

Portal Records

- Mehdi Gholami, Vahid Haddadi Asl, Eman Sahebi Jouybari, "A review on microphase separation measurement techniques for polyurethanes", JOURNAL OF PLASTIC FILM & SHEETING, June 2022 Vol. 0, Num. 0, Page 1-40, June 2022,

- 2 Fatemeh Mohammadzadeh, Vahid Haddadi Asl, Asal Yousefi Siavoshani, Mehdi Salami Kalajahi, "Preparation of intelligent magnetic halloysite nanotubes/polyurethane nanocomposites: The role of nanotube modification on the shape recovery rate", MATERIALS RESEARCH BULLETIN, November 2021 Vol. 147, Num. 111653, Page 1-9, November 2021,
- 3 Mohammadali Pourmohammadi, Vahid Haddadi Asl, Hossein Roghani-Mamaqani, Mojtaba Koosha, Mohammad Yazdi, "Effect of chain extender length and molecular architecture on phase separation and rheological properties of ether-based polyurethanes", POLYMER BULLETIN, October 2021 Vol. 1, Num. 1, Page 1-1, October 2021,
- 4 Nariman Neekzad, Elahe Kowsarie, Mohammad Dashti Najafi, Hamid Reza Naderi, Amutha Chinnappan, Seeram Ramakrishna, Vahid Haddadi Asl, "Pseudocapacitive performance of surface functionalized halloysite nanotubes decorated green additive ionic liquid modified with ATP and POAP for efficient symmetric supercapacitors", JOURNAL OF MOLECULAR LIQUIDS, July 2021 Vol. 342, Num. 1, Page 116962-116962, July 2021,
- 5 Mohammad Shahrousvand, Vahid Haddadi Asl, Mohsen Shahrousvand, "Step-by-step design of poly(ϵ -caprolactone)/chitosan/Melilotus officinalis extract electrospun nanofibers for wound dressing applications", INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, March 2021 Vol. 1, Num. 1, Page 1-14, March 2021,
- 6 Sahar Foroughirad, Vahid Haddadi Asl, Alireza Khosravi, Mehdi Salami Kalajahi, "Effect of porogenic solvent in synthesis of mesoporous and microporous molecularly imprinted polymer based on magnetic halloysite nanotubes", Materials Today Communications, March 2021 Vol. 26, Num. 1, Page 1-16, March 2021,
- 7 Shayeste Shajari, Elahe Kowsarie, Naeemeh Seifvand Lighavani, Farshad Boorboor Ajdari, Amutha Chinnappan, Seeram Ramakrishna, Saianand Gopalan, Mohammad Dashti Najafi, Vahid Haddadi Asl, Sohail Sohail, "Efficient Photocatalytic Degradation of Gaseous Benzene and Toluene over Novel Hybrid PIL@TiO₂/m-GO Composites", Catalysts, January 2021 Vol. 11, Num. 1, Page 126-126, January 2021,
- 8 Farshad Boorboor Ajdari, Elahe Kowsarie, Mahdi Niknam Shahrak, Ali Ehsani, Zahra Kiaei, Hoda Torkzaban, Mahshid Ershadi, Saeedeh Kholghi Eshkalak, Vahid Haddadi Asl, Amutha Chinnappan, Seeram Ramakrishna, "A review on the field patents and recent developments over the application of metal organic frameworks (MOFs) in supercapacitors", COORDINATION CHEMISTRY REVIEWS, November 2020 Vol. 422, Num. 0, Page 213441-213487, November 2020,
- 9 Sahar Foroughirad, Vahid Haddadi Asl, Alireza Khosravi, Mehdi Salami Kalajahi, "Magnetic halloysite-based molecularly imprinted polymer for specific recognition of sunset yellow in dyes mixture", POLYMERS FOR ADVANCED TECHNOLOGIES, October 2020 Vol. 32, Num. 2, Page 803-814, October 2020,
- 10 Mohammadali Pourmohammadi, Vahid Haddadi Asl, Hossein Roghani-Mamaghani, Mojtaba Koosha, Mohammad Yazdi, "Preparation of polyurethane composites reinforced with halloysite and carbon nanotubes", POLYMER COMPOSITES, September 2020 Vol. 42, Num. 1, Page 450-461, September 2020,
- 11 Sahar Foroughirad, Vahid Haddadi Asl, Alireza Khosravi, Mehdi Salami Kalajahi, "Synthesis of magnetic nanoparticles-decorated halloysite nanotubes/poly([2-(acryloyloxy)ethyl]trimethylammonium chloride) hybrid nanoparticles for removal of Sunset Yellow from water", JOURNAL OF POLYMER RESEARCH, September 2020 Vol. 27, Num. 320, Page 1-10, September 2020,
- 12 Amir Ahmadi Ashtiani, Elahe Kowsarie, Vahid Haddadi Asl, Mohammad Yousefi, Hamid Reza Naderi, Amutha Chinnappan, Seeram Ramakrishna, "Pseudocapacitive efficiency of covalently Cr-complex with L-histidine-methyl ester as a ligand graphene oxide blended with conducting polymer (POAP) as electrode material in supercapacitor", JOURNAL OF MOLECULAR LIQUIDS, July 2020 Vol. 315, Num. 0, Page 113697-113709, July 2020,
- 13 Mohammadali Pourmohammadi, Vahid Haddadi Asl, Hossein Roghani-Mamaghani, Mojtaba Koosha, Mohammad Yazdi, "Halloysite reinforced thermoplastic polyurethane nanocomposites: Physico-mechanical, rheological, and thermal investigations", POLYMER COMPOSITES, April 2020 Vol. 0, Num. 0, Page 1-11, April 2020,
- 14 Fatemeh Mohammadzadeh, Vahid Haddadi Asl, Zahra Balzadeh, Eman Sahebi Jouybari, "Switch segment and halloysite nanotube role in the phase separation behavior of shape-memory thermoplastic polyurethane", POLYMER COMPOSITES, March 2020 Vol. 0, Num. 0, Page 1-9, March 2020,
- 15 Mohammadjavad Jahanshahi, Elahe Kowsarie, Vahid Haddadi Asl, Mehdi Khoobi, Behrouz Bazri, Meysam Aryafard, Jong Hyun Lee, Firoz Babu Kadumudi, Sepehr Talebian, Nazila Kamaly, Mehdi Mehrali, Alireza Dolatshahi-Pirouz, "An innovative and eco-friendly modality for synthesis of highly fluorinated graphene by an acidic ionic liquid: Making of an efficacious vehicle for anti-cancer drug delivery", APPLIED SURFACE SCIENCE, March 2020 Vol. 515, Num. 0, Page 146071-146081, March 2020,

- 16 Hanie Ahmadi, Vahid Haddadi Asl, Hassan-Ali Ghafari, Roghayeh Ghorbanzadeh, Yasaman Mazlum Jahromi, Abbas Bahador, "Shear bond strength, adhesive remnant index, and anti-biofilm effects of a photoexcited modified orthodontic adhesive containing curcumin doped poly lactic-co-glycolic acid nanoparticles: An ex-vivo biofilm model of *S. mutans* on the enamel slab bonded brackets", *PHOTODIAGNOSIS AND PHOTODYNAMIC THERAPY*, January 2020 Vol. 30, Num. 0, Page 1-11, January 2020,
- 17 Mohadese Mohamadi Mardakhi, Elahe Kowsarie, Vahid Haddadi Asl, Maryam Yousefzadeh, Amutha Chinnappan, Seeram Ramakrishna, "Highly-efficient microwave absorptivity in reduced graphene oxide modified with PTA@imidazolium based dicationic ionic liquid and fluorine atom", *COMPOSITES SCIENCE AND TECHNOLOGY*, December 2019 Vol. 188, Num. 107960, Page 1-10, December 2019,
- 18 Hadi Oliiaie, Vahid Haddadi Asl, Mohammad Masoud Mirhosseini, Eman Sahebi Jouybari, Sara Mohebi, Arash Shams, "Role of sequence of feeding on the properties of polyurethane nanocomposite containing halloysitenanotubes", *DESIGNED MONOMERS AND POLYMERS*, November 2019 Vol. 22, Num. 1, Page 199-212, November 2019,
- 19 Mohammadjavad Jahanshahi, Elahe Kowsarie, Vahid Haddadi Asl, Mehdi Khoobi, Jong Hyun Lee, Firoz Babu Kadumudi, Sepehr Talebian, Nazila Kamaly, Mehdi Mehrli, "Sericin grafted multifunctional curcumin loaded fluorinated graphene oxide nanomedicines with charge switching properties for effective cancer cell targeting", *INTERNATIONAL JOURNAL OF PHARMACEUTICS*, October 2019 Vol. 572, Num. 15, Page 118791-118791, October 2019,
- 20 Amir Ahmadi Ashtiani, Elahe Kowsarie, Vahid Haddadi Asl, Mohammad Yousef, Amutha Chinnappan, Seeram Ramakrishna, "Synthesis of novel functionalized graphene oxide with incorporation pyrimidine group including cobalt-iodine bonds their nanocomposites with p-type conductive polymer as excellent pseudocapacitor electrode materials", *JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS*, September 2019 Vol. 30, Num. 20, Page 18439-18451, September 2019,
- 21 Taher Rahimi Aghdam, Zahra Shariatinia, Minna Hakkarainen, Vahid Haddadi Asl, "Polyacrylonitrile/N,P co-doped graphene quantum dots-layered double hydroxide nanocomposite: Flame retardant property, thermal stability and fire hazard", *EUROPEAN POLYMER JOURNAL*, September 2019 Vol. 120, Num. 0, Page 1-9, September 2019,
- 22 Taher Rahimi Aghdam, Zahra Shariatinia, Minna Hakkarainen, Vahid Haddadi Asl, "Nitrogen and phosphorous doped graphene quantum dots: Excellent flame retardants and smoke suppressants for polyacrylonitrile nanocomposites", *JOURNAL OF HAZARDOUS MATERIALS*, August 2019 Vol. 381, Num. 121013, Page 1-16, August 2019,
- 23 Eman Sahebi Jouybari, Vahid Haddadi Asl, Ali Esmlyi, Sobhan Shahsavari, Fatemeh Mohammadzadeh, Mahdi Gholami, Alireza Mohammadi Hatam, "Rheological investigation of carbon based hybrid polyurethane nanocomposites with continuous networks", *IRANIAN POLYMER JOURNAL*, August 2019 Vol. 1, Num. 1, Page 1-11, August 2019,
- 24 Mohammad Yazdi, Vahid Haddadi Asl, Mohammadali Pourmohammadi, Hossain Roghani-Mamaghani, "Mechanical properties, crystallinity, and self-nucleation of carbon nanotube- polyurethane nanocomposites", *POLYMER TESTING*, July 2019 Vol. 79, Num. 1, Page 1-8, July 2019,
- 25 Goolia Nikravan, Vahid Haddadi Asl, Mehdi Salami Kalajahi, "Stimuli-responsive DOX release behavior of cross-linked poly(acrylic acid) nanoparticles", *E-POLYMERS*, May 2019 Vol. 19, Num. 0, Page 203-214, May 2019,
- 26 Mohammad Masoud Mirhosseini, Vahid Haddadi Asl, Eman Sahebi Jouybari, "How the Soft Segment Arrangement Influences the Microphase Separation Kinetics and Mechanical Properties of Polyurethane Block Polymers", *Materials Research Express*, May 2019 Vol. 6, Num. 8, Page 1-20, May 2019,
- 27 Eman Sahebi Jouybari, Vahid Haddadi Asl, Hanie Ahmadi, Mohammad Masoud Mirhosseini, "Micro-Phase Separation Kinetics of Polyurethane Nanocomposites With Neural Network", *POLYMER COMPOSITES*, March 2019 Vol. 1, Num. 1, Page 1-10, March 2019,
- 28 Eman Sahebi Jouybari, Vahid Haddadi Asl, Mohammad Masoud Mirhosseini, "A novel investigation on micro-phase separation of thermoplastic polyurethanes: simulation, theoretical, and experimental approaches", *IRANIAN POLYMER JOURNAL*, March 2019 Vol. 0, Num. 0, Page 1-14, March 2019,
- 29 Mohammad Masoud Mirhosseini, Vahid Haddadi Asl, Eman Sahebi Jouybari, "A simple and versatile method to tailor physicochemical properties of thermoplastic polyurethane elastomers by using novel mixed soft segments", *Materials Research Express*, March 2019 Vol. 6, Num. 0, Page 1-15, March 2019,

- 30 Mohadese Mohamadi Mardakhi, Elahe Kowsarie, Vahid Haddadi Asl, Maryam Yousefzadeh, "Fabrication, characterization and electromagnetic wave absorption properties of covalently modified reduced graphene oxide based on dinuclear cobalt complex", COMPOSITES PART B-ENGINEERING, January 2019 Vol. 162, Num. 0, Page 569-579, January 2019,
- 31 Seyed Shahrooz Zargarian, Vahid Haddadi Asl, Mojdeh Azarnia, Zahra Kafraashian, Ehsan Seyedjafari, "Surfactant Assisted Water Exposed versus Surfactant Aqueous Solution Exposed Electrospinning of Novel Super Hydrophilic Polycaprolactone Based Fibers: cell culture studies", JOURNAL OF BIOMEDICAL MATERIALS RESEARCH PART A, January 2019 Vol. 0, Num. 0, Page 0-0, January 2019,
- 32 Seyed Shahrooz Zargarian, Vahid Haddadi Asl, Zahra Kafraashian, Mojdeh Azarnia, Mohammad Masoud Mirhosseini, Ehsan Seyedjafari, "Surfactant-assisted-water-exposed versus surfactant-aqueous-solutionexposed electrospinning of novel super hydrophilic polycaprolactone based fibers: Analysis of drug release behavior", JOURNAL OF BIOMEDICAL MATERIALS RESEARCH PART A, October 2018 Vol. 0, Num. 0, Page 1-13, October 2018,
- 33 Eman Sahebi Jouybari, Vahid Haddadi Asl, Mohammad Masoud Mirhosseini, "Formulation of microphase separation kinetics of polyurethane nanocomposites", POLYMERS FOR ADVANCED TECHNOLOGIES, July 2018 Vol. 1, Num. 1, Page 1-8, July 2018,
- 34 Zahra Esmaili, Samaneh Bayrami, Farid Abedin Dorkoosh, Hamid Akbari Javar, Ehsan Seyedjafari, Seyed Shahrooz Zargarian, Vahid Haddadi Asl, "Development and characterization of electrospayed nanoparticles for encapsulation of Curcumin", JOURNAL OF BIOMEDICAL MATERIALS RESEARCH PART A, January 2018 Vol. 106, Num. 1, Page 285-292, January 2018,
- 35 Eman Sahebi Jouybari, Vahid Haddadi Asl, Mohammad Masoud Mirhosseini, "Effect of Nanofiller Content and Confined Crystalization on the Microphase Separation Kinetics of Polyurethane Nano Composites", POLYMER COMPOSITES, January 2018 Vol. 0, Num. 0, Page 1-10, January 2018,
- 36 Maedeh Ghaderi Ghahfarrokhi, Vahid Haddadi Asl, Seyed Shahrooz Zargarian, "Fabrication and Characterization of Polymer- Ceramic Nanocomposites containing Drug Loaded Modified Halloysite Nanotubes", JOURNAL OF BIOMEDICAL MATERIALS RESEARCH PART A, January 2018 Vol. 0, Num. 0, Page 3-33, January 2018,
- 37 Zahra Aghaei, Laila Naji, Vahid Haddadi Asl, Ghader Khanbabaei, Fahime Dezhagah, "The Influence of Fumed Silica Content and Particle Size in Poly (Amide 6-B-Ethylene Oxide) Mixed Matrix Membranes for Gas Separation", SEPARATION AND PURIFICATION TECHNOLOGY, January 2018 Vol. 199, Num. 0, Page 47-56, January 2018,
- 38 Mahsa Hakani, Vahid Haddadi Asl, Seyed Shahrooz Zargarian, Mohamad Hossein Moghadasi, "Preparation of hydrophilic blood compatible polypropylene/pluronic F127 films", JOURNAL OF BIOMEDICAL MATERIALS RESEARCH PART A, November 2017 Vol. 106, Num. 3, Page 652-662, November 2017,
- 39 Seyede Mahnaz Modarresi Saryazdi, Vahid Haddadi Asl, Mehdi Salami-Kalajahi, "N,N-methylenebis(acrylamide)-crosslinked poly(acrylic acid) particles as doxorubicin carriers: A comparison between release behavior of physically loaded drug and conjugated drug via acid-labile hydrazone linkage", JOURNAL OF BIOMEDICAL MATERIALS RESEARCH PART A, October 2017 Vol. 106, Num. 2, Page 342-348, October 2017,
- 40 Elnaz Zeinali, Vahid Haddadi Asl, Hossain Roghani-Mamaghani, "Synthesis of dudl thermo-and pH-sensitive poly(N-isopropylacrylamide-co-acrylic acid)- grafted cellulose nanocrystals by reversible addition-fragmentation chain transfer polymerization", JOURNAL OF BIOMEDICAL MATERIALS RESEARCH PART A, October 2017 Vol. 106A, Num. 1, Page 231-243, October 2017,
- 41 Mohammad Masoud Mirhosseini, Vahid Haddadi Asl, Seyed Shahrooz Zargarian, "Effect of Pluronic Introduction to Polycaprolactone Substrate on the Blend Hydrophilicity by Molecular Dynamic Simulation", Iranian Journal of Polymer Science and Technology (IJPST), August 2016 Vol. 29, Num. 3, Page 286-300, August 2016,
- 42 Mohammad Masoud Mirhosseini, Vahid Haddadi Asl, Seyed Shahrooz Zargarian, "Fabrication and characterization of polymer-ceramic nanocomposites containing pluronic F127 immobilized on hydroxyapatite nanoparticles", RSC Advances, August 2016 Vol. 6, Num. 84, Page 80564-80575, August 2016,
- 43 Seyed Shahrooz Zargarian, Vahid Haddadi Asl, "FACILE FABRICATION OF NOVEL POLYCAPROLACTONE BASED ELECTROSPUN FIBRES USING IN-PROCESS WATER EXPOSURE", INTERNATIONAL JOURNAL OF POLYMER ANALYSIS AND CHARACTERIZATION, May 2016 Vol. 0, Num. 0, Page 1-10, May 2016,
- 44 Seyed Shahrooz Zargarian, Vahid Haddadi Asl, "Surfactant-assisted water exposed electrospinning of novel super hydrophilic polycaprolactone based fibers", Artificial Cells, Nanomedicine, and Biotechnology, May 2016 Vol. 0, Num. 0, Page 1-10, May 2016,

- 45 Mohammad Masoud Mirhosseini, Vahid Haddadi Asl, Seyed Shahrooz Zargarian, "Fabrication and characterization of hydrophilic poly(ϵ -caprolactone)/pluronic P123 electrospun fibers", *JOURNAL OF APPLIED POLYMER SCIENCE*, January 2016 Vol. 133, Num. 17, Page 1-11, January 2016,
- 46 Hossein Roghani-Mamaqani, Vahid Haddadi Asl, Khezrollah Khezri, Mehdi Salami-Kalajahi, Mohammad Najafi, "Kinetic Study of Styrene Atom Transfer Radical Polymerization From Hydroxyl Groups of Graphene Nanoplatelets: Heterogeneities in Chains and Graft Densities", *POLYMER ENGINEERING AND SCIENCE*, August 2015 Vol. 55, Num. 1, Page 1720-1732, August 2015,
- 47 Shahab Aldin Jafarzadeh, Vahid Haddadi Asl, Hossein Roghani-Mamaqani, "Nanofibers of poly (hydroxyethyl methacrylate)-grafted halloysite nanotubes and polycaprolactone by combination of RAFT polymerization and electrospinning", *JOURNAL OF POLYMER RESEARCH*, June 2015 Vol. 22, Num. 123, Page 1-9, June 2015,
- 48 Seyed Shahrooz Zargarian, Vahid Haddadi Asl, Hamoon Hematpour, "Carboxylic acid functionalization of halloysite nanotubes for sustained release of diphenhydramine hydrochloride", *JOURNAL OF NANOPARTICLE RESEARCH*, May 2015 Vol. 17, Num. 218, Page 1-13, May 2015,
- 49 Hamoon Hematpour, Vahid Haddadi Asl, Hossein Roghani-Mamaqani, "Synthesis of pH-sensitive poly (N,N-dimethylaminoethyl methacrylate)-grafted halloysite nanotubes for adsorption and controlled release of DPH and DS drugs", *POLYMER*, May 2015 Vol. 1, Num. 65, Page 143-153, May 2015,
- 50 Hossein Roghani-Mamaqani, Vahid Haddadi Asl, Khezrollah Khezri, Mehdi Salami-Kalajahi, Mohammad Najafi, Masoud Sobani, Seyed Ataollah Mirshafiei Langari, "Confinement effect of graphene nanoplatelets on atom transfer radical polymerization of styrene: grafting through hydroxyl groups", *IRANIAN POLYMER JOURNAL*, December 2014 Vol. 0, Num. 0, Page 51-62, December 2014,
- 51 Hossein Roghani-Mamaqani, Vahid Haddadi Asl, Zahra Sobhkhiz, Maedeh Ghaderi Ghahfarrokhi, "Grafting poly (methyl methacrylate) from azo-functionalized graphene nanolayers via reverse atom transfer radical polymerization", *COLLOID AND POLYMER SCIENCE*, November 2014 Vol. 293, Num. 1, Page 735-750, November 2014,
- 52 Elnaz Zeinali, Vahid Haddadi Asl, Hossein Roghani-Mamaqani, "Nanocrystalline cellulose grafted random copolymers of N-isopropylacrylamide and acrylic acid synthesized by RAFT polymerization: effect of different acrylic acid contents on LCST behavior", *RSC Advances*, July 2014 Vol. 4, Num. 0, Page 31428-31442, July 2014,
- 53 Hossein Roghani-Mamaqani, Vahid Haddadi Asl, Maedeh Ghaderi Ghahfarrokhi, Zahra Sobhkhiz, "Reverse atom transfer radical polymerization of methyl methacrylate in the presence of Azo-functionalized carbon nanotubes: a grafting from approach", *COLLOID AND POLYMER SCIENCE*, July 2014 Vol. 292, Num. 1, Page 2971-2981, July 2014,
- 54 Hossein Roghani-Mamaqani, Vahid Haddadi Asl, Khezrollah Khezri, Mehdi Salami-Kalajahi, "Polystyrene-grafted graphene nanoplatelets with various graft densities by atom transfer radical polymerization from the edge carboxyl groups", *RSC Advances*, May 2014 Vol. 4, Num. 1, Page 24439-24452, May 2014,
- 55 Hossein Roghani-Mamaqani, Vahid Haddadi Asl, Khezrollah Khezri, Mehdi Salami-Kalajahi, "Edge-functionalized graphene nanoplatelets with polystyrene by atom transfer radical polymerization: grafting through carboxyl groups", *POLYMER INTERNATIONAL*, March 2014 Vol. 63, Num. 0, Page 1912-1923, March 2014,
- 56 Hossein Roghani -Mamaqani, Vahid Haddadi Asl, "In-Plane Functionalizing Graphene Nanolayers with Polystyrene by Atom Transfer Radical Polymerization: Grafting from Hydroxyl Groups", *POLYMER COMPOSITES*, February 2014 Vol. 35, Num. 0, Page 386-395, February 2014,
- 57 Hossein Roghani-Mamaqani, Vahid Haddadi Asl, Mehrzad Mortezaei, Khezrollah Khezri, "Furfuryl Alcohol Functionalized Graphene Nanosheets for Synthesis of High Carbon Yield Novolak Composites", *JOURNAL OF APPLIED POLYMER SCIENCE*, December 2013 Vol. 131, Num. 0, Page 1-8, December 2013,
- 58 Khezrollah Khezri, Vahid Haddadi Asl, Hossain Roghani-Mamaghani, "Introduction of a Double Bound Containing Modifier on the Surface of MCM-41 Nanoparticles: Application for SR&NI ATRP of Styrene", *NANO*, December 2013 Vol. 9, Num. 2, Page 1-13, December 2013,
- 59 Hossein Roghani-Mamaqani, Vahid Haddadi Asl, Khezrollah Khezri, Elnaz Zeinali, Mehdi Salami-Kalajahi, "In situ atom transfer radical polymerization of styrene to in-plane functionalize graphene nanolayers: grafting through hydroxyl groups", *JOURNAL OF POLYMER RESEARCH*, December 2013 Vol. 21, Num. 0, Page 1-11, December 2013,

- 60 Seyed Ataollah Mirshafiei Langari, Vahid Haddadi Asl, Hossein Roghani- Mamaqani, Masoud Sobani, Khezrollah Khezri, "Synthesis of Hybrid Free and Nanoporous Silica Aerogel-Anchored Polystyrene Chains via In Situ Atom Transfer Radical Polymerization", POLYMER COMPOSITES, December 2013 Vol. 34, Num. 10, Page 1648-1654, December 2013,
- 61 Masoud Sobani, Vahid Haddadi Asl, Seyed Ataollah Mirshafiei Langari, Mehdi Salami-Kalajahi, Hossein Roghani - Mamaqani, Khezrollah Khezri, "A kinetics study on the in situ reversible addition-fragmentation chain transfer and free radical polymerization of styrene in presence of silica aerogel nanoporous particles", DESIGNED MONOMERS AND POLYMERS, November 2013 Vol. 17, Num. 3, Page 245-254, November 2013,
- 62 Iman Shabani, Vahid Haddadi Asl, Masoud Soleimani, Ehsan Seyedjafari, Seyed Mahmoud Hashemi, "Ion-Exchange Polymer Nanofibers for Enhanced Osteogenic Differentiation of Stem Cells and Ectopic Bone Formation", ACS APPLIED MATERIALS & INTERFACES, September 2013 Vol. 6, Num. 0, Page 72-82, September 2013,
- 63 Seyed Ataollah Mirshafiei Langari, Vahid Haddadi Asl, Hossein Roghani -Mamaqani, Masoud Sobani, Khezrollah Khezri, "In Situ Atom Transfer Radical Polymerization of Styrene in the Presence of Nanoporous Silica Aerogel: Kinetic Study and Investigation of Thermal Properties", JOURNAL OF POLYMER RESEARCH, May 2013 Vol. 20, Num. 1, Page 163-163, May 2013,
- 64 Abas Asfadi, Vahid Haddadi Asl, Mehdi Salami Kalajahi, Mohammadreza Sarsabili, Hossain Roghani-Mamaghani, "INVESTIGATING THE EFFECT OF MCM-41 NANOPARTICLES ON THE KINETICS OF ATOM TRANSFER RADICAL POLYMERIZATION OF STYRENE", NANO, March 2013 Vol. 8, Num. 2, Page 1-9, March 2013,
- 65 Masoud Sobani, Vahid Haddadi Asl, Mehdi Salami-Kalajahi, Hossein Roghani -Mamaqani, Seyed Ataollah Mirshafiei Langari, Khezrollah Khezri, "Grafting through" approach for synthesis of polystyrene/silica aerogel nanocomposites by in situ reversible addition-fragmentation chain transfer polymerization", JOURNAL OF SOL-GEL SCIENCE AND TECHNOLOGY, March 2013 Vol. 66, Num. 2, Page 337-344, March 2013,
- 66 Leila Hatami, Vahid Haddadi Asl, Leila Ahmadianalam, Hossein Roghani -Mamaqani, Mehdi Salami-Kalajahi, "Effect of Nanoclay on Styrene and Butyl Acrylate AGET ATRP in Miniemulsion: Study of Nucleation Type, Kinetics and Polymerization Control", INTERNATIONAL JOURNAL OF CHEMICAL KINETICS, February 2013 Vol. ??, Num. 1, Page 221-235, February 2013,
- 67 Mehdi Salami-Kalajahi, Vahid Haddadi Asl, Farid Behboodi Saad Abad, Behzad Nazari Nasrabad, Hossein Roghani - Mamaqani, Mohammad Najafi, "Effect of Loading and Surface Modification of Nanoparticles on the Properties of PMMA/Silica Nanocomposites Prepared via In situ Free Radical Polymerization", INTERNATIONAL JOURNAL OF POLYMERIC MATERIALS, January 2013 Vol. 62, Num. 1, Page 336-344, January 2013,
- 68 Saeid Rahimi Razin, Vahid Haddadi Asl, Mehdi Salami-Kalajahi, Farid Behboodi Saad Abad, Hossein Roghani - Mamaqani, "Properties of Matrix-grafted Multi-Walled Carbon Nanotube/Poly(methyl methacrylate) Nanocomposites Synthesized by In Situ Reversible Addition-Fragmentation Chain Transfer Polymerization", JOURNAL OF THE IRANIAN CHEMICAL SOCIETY, December 2012 Vol. 9, Num. 1, Page 877-887, December 2012,
- 69 Mehdi Salami Kalajahi, Vahid Haddadi Asl, Farid Behboodi Saad Abad, Saeid Rahimi Razin, Hossein Roghani - Mamaqani, "Properties of PMMA/Carbon nanotubes nanocomposites prepared by "grafting through" method", POLYMER COMPOSITES, October 2012 Vol. 33, Num. 1, Page 215-234, October 2012,
- 70 Leila Ahmadianalam, Vahid Haddadi Asl, Hossein Roghani -Mamaqani, Leila Hatami, Mehdi Salami-Kalajahi, "Kinetic study of in situ Normal and AGET atom transfer radical copolymerization of n-butyl acrylate and styrene: Effect of nanoclay loading and catalyst concentration", INTERNATIONAL JOURNAL OF CHEMICAL KINETICS, October 2012 Vol. 44, Num. 1, Page 789-799, October 2012,
- 71 Saeid Rahimi Razin, Mehdi Salami-Kalajahi, Vahid Haddadi Asl, Hossein Roghani -Mamaqani, "Effect of different modified nanoclays on the kinetics of preparation and properties of polymer-based nanocomposites", JOURNAL OF POLYMER RESEARCH, August 2012 Vol. 19, Num. 1, Page 9954-9954, August 2012,
- 72 Khezrollah Khezri, Vahid Haddadi Asl, Hossein Roghani -Mamaqani, Mehdi Salami-Kalajahi, "Polystyrene-Organoclay Nanocomposites Produced by in situ Activators Regenerated by Electron Transfer for Atom Transfer Radical Polymerization", JOURNAL OF POLYMER ENGINEERING, August 2012 Vol. 32, Num. 1, Page 235-243, August 2012,
- 73 Hossein Roghani -Mamaqani, Vahid Haddadi Asl, Mehdi Salami-Kalajahi, "In situ Controlled Radical Polymerization: A Review on Synthesis of Well-defined Nanocomposites", POLYMER REVIEWS, May 2012 Vol. 52, Num. 1, Page 142-188, May 2012,

- 74 Khezrollah Khezri, Vahid Haddadi Asl, Hossein Roghani -Mamaqani, Mehdi Salami-Kalajahi, "Nanoclay Encapsulated Polystyrene Microspheres by Reverse Atom Transfer Radical Polymerization", POLYMER COMPOSITES, May 2012 Vol. 33, Num. 1, Page 990-990, May 2012,
- 75 Hossein Roghani -Mamaqani, Vahid Haddadi Asl, Mohammad Najafi, Mehdi Salami-Kalajahi, ""Well-defined Nanofiberous Polystyrene Nanocomposites with Twofold Chains by ATRP"", POLYMER SCIENCE SERIES B, April 2012 Vol. 54, Num. 1, Page 483-490, April 2012,
- 76 Khezrollah Khezri, Vahid Haddadi Asl, Hossein Roghani -Mamaqani, Mehdi Salami-Kalajahi, "Encapsulation of Organomodified Montmorillonite with PMMA via in situ SR&NI ATRP in Miniemulsion", JOURNAL OF POLYMER RESEARCH, April 2012 Vol. 19, Num. 1, Page 9868-9868, April 2012,
- 77 Saeid Rahimi Razin, Vahid Haddadi Asl, Mehdi Salami-Kalajahi, Farid Behboodi Saad Abad, Hossein Roghani - Mamaqani, ""Matrix Grafted Multi-Walled Carbon Nanotubes/Poly(methyl methacrylate) Nanocomposites Synthesized by In Situ RAFT Polymerization: A Kinetics Study"", INTERNATIONAL JOURNAL OF CHEMICAL KINETICS, April 2012 Vol. 44, Num. 1, Page 555-569, April 2012,
- 78 Khezrollah Khezri, Vahid Haddadi Asl, Hossein Roghani -Mamaqani, Mehdi Salami-Kalajahi, "Synthesis of Well-defined Clay Encapsulated Poly (Styrene-co-Butyl acrylate) Nanocomposite Latexes via Reverse Atom Transfer Radical Polymerization in Miniemulsion", JOURNAL OF POLYMER ENGINEERING, March 2012 Vol. 32, Num. 1, Page 111-119, March 2012,
- 79 Mehdi Salami-Kalajahi, Vahid Haddadi Asl, Saeid Rahimi Razin, Farid Behboodi Saad Abad, Mohammad Najafi, Hossein Roghani -Mamaqani, ""A Study on the Properties of PMMA/Silica Nanocomposites Prepared via RAFT Polymerization"", JOURNAL OF POLYMER RESEARCH, February 2012 Vol. 19, Num. 1, Page 9793-9793, February 2012,
- 80 Mehdi Salami Kalajahi, Vahid Haddadi Asl, Farid Behboodi Saad Abad, Saeid Rahimi Razin, Hossein Roghani - Mamaqani, "Hossein Roghani-Mamaqani, "Effect of Silica Nanoparticle Loading and Surface Modification on the Kinetics of RAFT Polymerization", JOURNAL OF POLYMER ENGINEERING, February 2012 Vol. 32, Num. 1, Page 13-22, February 2012,
- 81 Leila Ahmadianalam, Vahid Haddadi Asl, Hossein Roghani -Mamaqani, Leila Hatami, Mehdi Salami-Kalajahi, ""Use of Clay-Anchored Reactive Modifier for the Synthesis of Poly(styrene-co-butyl acrylate)/Clay Nanocomposite via In Situ AGET ATRP"", JOURNAL OF POLYMER RESEARCH, December 2011 Vol. 19, Num. 1, Page 9773-9773, December 2011,
- 82 Khezrollah Khezri, Vahid Haddadi Asl, Hossein Roghani -Mamaqani, Mehdi Salami Kalajahi, "Synthesis and Characterization of Exfoliated Poly (Styrene-co-Methyl methacrylate) Nanocomposite via Miniemulsion ATRP: An Activators Generated by Electron Transfer Approach", POLYMER COMPOSITES, November 2011 Vol. 32, Num. 1, Page 1979-1987, November 2011,
- 83 Mohammad Najafi, Hossein Roghani -Mamaqani, Vahid Haddadi Asl, Mehdi Salami Kalajahi, "A Simulation of Kinetics and Chain Length Distribution of Styrene FRP and ATRP: Chain-Length-Dependent Termination", ADVANCES IN POLYMER TECHNOLOGY, October 2011 Vol. 30, Num. 1, Page 257-268, October 2011,
- 84 H. Bouhendi, Vahid Haddadi Asl, Mehdi Rafizadeh, "Modeling of precipitation polymerization II: calculation of macroradicals concentrations in the continuous and dispersed phases", POLYMER BULLETIN, October 2011 Vol. 7, Num. 7, Page 1-12, October 2011,
- 85 Mehdi Salami Kalajahi, Vahid Haddadi Asl, Saeid Rahimi Razin, Farid Behboodi Saad Abad, Hossein Roghani - Mamaqani, Mahmoud Hemmati, "Investigating the Effect of Pristine and Modified Silica Nanoparticles on the Kinetics of Methyl Methacrylate Polymerization", CHEMICAL ENGINEERING JOURNAL, October 2011 Vol. 174, Num. 1, Page 368-375, October 2011,
- 86 Mehdi Salami Kalajahi, Vahid Haddadi Asl, Saeid Rahimi Razin, Farid Behboodi Saad Abad, Hossein Roghani - Mamaqani, Mahmoud Hemmati, "Investigating the Effect of Pristine and Modified Silica Nanoparticles on the Kinetics of Methyl Methacrylate Polymerization", CHEMICAL ENGINEERING JOURNAL, October 2011 Vol. 174, Num. 1, Page 368-375, October 2011,
- 87 Khezrollah Khezri, Vahid Haddadi Asl, Hossein Roghani -Mamaqani, Mehdi Salami-Kalajahi, "Synthesis of Clay-Dispersed Poly (Styrene-co-Methyl methacrylate) Nanocomposite via Miniemulsion Atom Transfer Radical Polymerization: A Reverse Approach", JOURNAL OF APPLIED POLYMER SCIENCE, October 2011 Vol. 124, Num. 1, Page 2278-2286, October 2011,

- 88 Mohammad Najafi, Hossein Roghani -Mamaqani, Mehdi Salami Kalajahi, Vahid Haddadi Asl, "An Exhaustive Study of Chain-length-dependent and Diffusion-controlled Free Radical and Atom-Transfer Radical Polymerization of Styrene", JOURNAL OF POLYMER RESEARCH, September 2011 Vol. 18, Num. 1, Page 1539-1555, September 2011,
- 89 Hossein Roghani -Mamaqani, Vahid Haddadi Asl, Mohammad Najafi, Mehdi Salami Kalajahi, "Evaluation of the Confinement Effect of Nanoclay on the Kinetics of Styrene Atom Transfer Radical Polymerization", JOURNAL OF APPLIED POLYMER SCIENCE, July 2011 Vol. 123, Num. 1, Page 409-417, July 2011,
- 90 Leila Hatami, Vahid Haddadi Asl, Hossein Roghani -Mamaqani, Leila Ahmadianalam, Mehdi Salami Kalajahi, "Synthesis and Characterization of Poly (styrene-co-butyl acrylate)/clay Nanocomposite Latexes in Miniemulsion by AGET ATRP", POLYMER COMPOSITES, May 2011 Vol. 32, Num. 1, Page 967-975, May 2011,
- 91 Iman Shabani, Mohammad Mahdi Hasani Sadrabadi, Vahid Haddadi Asl, Masoud Soleimani, "Nanofiber-based polyelectrolytes as novel membranes for fuel cell applications", JOURNAL OF MEMBRANE SCIENCE, February 2011 Vol. 368, Num. 0, Page 233-240, February 2011,
- 92 Alireza Mahjub, Mehdi Salami Kalajahi, Vahid Haddadi Asl, Hossein Roghani -Mamaqani, "Monte Carlo Simulation of Photo-initiated Bulk Polymerization of Furfuryl Methacrylate", IRANIAN POLYMER JOURNAL, December 2010 Vol. 20, Num. 3, Page 205-211, December 2010,
- 93 Hossein Roghani -Mamaqani, Vahid Haddadi Asl, Mohammad Najafi, Mehdi Salami Kalajahi, "Preparation of Nanoclay-Dispersed Polystyrene Nanofibers via Atom Transfer Radical Polymerization and Electrospinning", JOURNAL OF APPLIED POLYMER SCIENCE, November 2010 Vol. 120, Num. 3, Page 1431-1438, November 2010,
- 94 Hossein Roghani -Mamaqani, Vahid Haddadi Asl, Mohammad Najafi, Mehdi Salami Kalajahi, "Preparation of Nanoclay Reinforced Polystyrene Nanofibers via ATRP and Electrospinning", JOURNAL OF APPLIED POLYMER SCIENCE, November 2010 Vol. 120, Num. 0, Page 1431-1438, November 2010,
- 95 Hossein Roghani -Mamaqani, Vahid Haddadi Asl, Mohammad Najafi, Mehdi Salami Kalajahi, "Preparation of tailor-made polystyrene nanocomposite with mixed clay-anchored and free chains via atom transfer radical polymerization", AICHE JOURNAL, October 2010 Vol. 57, Num. 1, Page 1873-1881, October 2010,
- 96 Iman Shabani, Vahid Haddadi Asl, Masoud Soleimani, Ehsan Seyedjafari, Naser Ahmadbeigi, "Enhanced Infiltration and Biomineralization of Stem Cells on Collagen-Grafted Three-Dimensional Nanofibers", TISSUE ENGINEERING PART A, August 2010 Vol. 16, Num. 11, Page 3527-3536, August 2010,
- 97 Hossein Roghani -Mamaqani, Vahid Haddadi Asl, Mohammad Najafi, Mehdi Salami Kalajahi, "Synthesis and Characterization of Clay Dispersed Polystyrene Nanocomposite via Atom Transfer Radical Polymerization", POLYMER COMPOSITES, July 2010 Vol. 31, Num. 0, Page 1829-1837, July 2010,
- 98 Seyedshahrooz Zargarian, Vahid Haddadi Asl, "A Nanofibrous Composite Scaffold of PCL/hydroxyapatite-chitosan/PVA Prepared by Electrospinning", Iranian Polymer Journal, June 2010 Vol. 19, Num. 6, Page 457-468, June 2010,
- 99 Zahra Khubi Arani, Mehdi Salami Kalajahi, Mohammad Najafi, Hossein Roghani -Mamaqani, Vahid Haddadi Asl, Seyed Mehdi Ghafelebashi-Zarand, "Simulation of Styrene Free Radical Polymerization over Bi-Functional Initiators using Monte Carlo Simulation Method and Comparison with Mono-Functional Initiators", POLYMER SCIENCE SERIES B, April 2010 Vol. 52, Num. 52, Page 184-192, April 2010,
- 100 Mohammad Najafi, Hossein Roghani -Mamaqani, Mehdi Salami Kalajahi, Vahid Haddadi Asl, "A Comprehensive Monte Carlo Simulation of Styrene Atom Transfer Radical Polymerization", CHINESE JOURNAL OF POLYMER SCIENCE, April 2010 Vol. 28, Num. 4, Page 483-497, April 2010,
- 101 Mahdiyeh Rezaei, Vahid Haddadi Asl, "Effect of chemical components of emulsion polymerization in aqueous media on Na-MMT nanostructure by XRD analysis", journal of polymer research, March 2010 Vol. 0, Num. 17, Page 0-0, March 2010,
- 102 [en-name N/A], Vahid Haddadi Asl, "Dynamic Mechanical Study of Epoxy/Epoxy/Glass, and Glass/Epoxy/Wood Hybrid Composites Aged in Various Media", , December 2009 Vol. , Num. 12, Page 0-0, December 2009,
- 103 Hossein Roghani -Mamaqani, Vahid Haddadi Asl, Mehdi Salami Kalajahi, "Preparation of Polystyrene Nanocomposite by in Situ Atom Transfer Radical Polymerization: Study of Polymerization Kinetics in the Presence of Clay", , November 2009 Vol. , Num. 4, Page 0-0, November 2009,
- 104 [en-name N/A], Vahid Haddadi Asl, "Effects of Non-Solvent Type and Purification Process on Precipitation Polymerization of Acrylic Acid in Organic Media", , October 2009 Vol. , Num. 10, Page 0-0, October 2009,

- 105 Hossein Roghani -Mamaqani, Mohammad Najafi, Vahid Haddadi Asl, Mehdi Salami Kalajahi, "Preparation of Polystyrene Nanocomposite by In Situ Atom Transfer Radical Polymerization: Study of Polymerization Kinetics in the Presence of Clay", Iranian Journal of Polymer Science and Technology, July 2009 Vol. 22, Num. 4, Page 261-272, July 2009,
- 106 Hossain Biohendi, Vahid Haddadi Asl, Mehdi Rafizadeh, "Effect of NonSolvent and Purification Process on Precipitation Polymerization", Iranian Polymer Journal, June 2009 Vol. 18, Num. 10, Page 0-0, June 2009,
- 107 Mohammad Najafi, Vahid Haddadi Asl, Mehdi Salami Kalajahi, Hossein Roghani -Mamaqani, "Application of the Monte Carlo Simulation Method to the Investigation of the Effect of Chain-Length -Dependent Bimolecular Termination on ATRP", , May 2009 Vol. , Num. 30, Page 0-0, May 2009,
- 108 Mohammad Najafi, Hossein Roghani -Mamaqani, Mehdi Salami Kalajahi, Vahid Haddadi Asl, "Study of Atom Transfer Radical Polymerization of Styrene and Its Gel Effect by Monte Carlo Simulation Method", , April 2009 Vol. , Num. 1, Page 0-0, April 2009,
- 109 [en-name N/A], [en-name N/A], Mehdi Salami Kalajahi, Vahid Haddadi Asl, Said Mehdi Ghafele Bashi Zarand, "Effect of Hydrogen and Comonomer on the Kinetics of Slurry Polymerization of Ethylene and Properties of Produced Polyethylene over $TiCl_4/MgCl_2/AiEt_3$ Catalyst", , April 2009 Vol. , Num. 1, Page 0-0, April 2009,
- 110 Mehdi Salami Kalajahi, Mohammad Najafi, Vahid Haddadi Asl, "Application of Monte Carlo Simulation Method to Polymerization Kinetics over Ziegler-Natta Catalysts", , March 2009 Vol. , Num. 41, Page 0-0, March 2009,
- 111 Mohammad Najafi, Mehdi Salami Kalajahi, Vahid Haddadi Asl, "Quantitative Evaluation of Arrangement of Monomers in Linear Binary Copolymers Using A Monte Carlo Simulation Method", , February 2009 Vol. , Num. 2, Page 0-0, February 2009,
- 112 Seyedmahmoud Hashemitaklimi, Masoud Soleimani, Seyedshahrooz Zargarian, Vahid Haddadi Asl, Yosef Mohammadi, "In Vitro Differentiation of Human Cord Blood -Derived Unrestricted Somatic Stem Cells into Hepatocyte -Like Cells on Poly(3-Caprolactone)Nanofiber Scaffolds", , December 2008 Vol. , Num. 1, Page 0-0, December 2008,
- 113 Iman Shabani, Vahid Haddadi Asl, Masoud Soleimani, "Improved infiltration of stem cells on electrospun nanofibers", , December 2008 Vol. , Num. 382, Page 0-0, December 2008,
- 114 Hossein Afsharian Moghaddam, Vahid Haddadi Asl, "Synthesis and Characterization of a New Semi-Aliphatic Poly(Amide-Imide)and Evaluation of The Effect of Reaction Conditions", , June 2008 Vol. , Num. 11, Page 0-0, June 2008,
- 115 Mehdi Salami Kalajahi, Vahid Haddadi Asl, Mohammad Najafi, Said Mehdi Ghafele Bashi Zarand, "Investigation of Ethylene Polymerization Kinetics Over Ziegler -Natta Catalysts:Employing Moment Equation Modeling to Study The Effect of Different Active Centers on Homopolymerization Kinetics", , January 2008 Vol. , Num. 4, Page 0-0, January 2008,
- 116 Mohsen Mazloom Farsi Baf, Mehdi Rafizadeh, Vahid Haddadi Asl, "Synthesis and Mathematical Modeling of Polyethylene Terephthalate via Direct Esterification in a Laboratory Scale Unit", Iranian Polymer Journal, September 2007 Vol. 9, Num. 16, Page 0-0, September 2007,
- 117 Mohammad Najafi, Vahid Haddadi Asl, Yosef Mohammadi, "Application of The Monte Carlo Simulation Method to The Investigation of Peculiar Free-Radical Copolymerization Reactions:Systems With Both Reactivity Ratios Greater Than Unity($r_A > 1$ and $r_B > 1$)", , April 2007 Vol. , Num. 106, Page 0-0, April 2007,
- 118 Yosef Mohammadi, [en-name N/A], Akbar Gazmeh, Vahid Haddadi Asl, "Nanofibrous Poly (3-Caprolactone) / Poly (Vinyl Alcohol) / Chitosan Hybrid Scaffolds for Bone Tissue Engineering Using Mesenchymal Stem Cells", , March 2007 Vol. , Num. 3, Page 0-0, March 2007,
- 119 Mohammad Najafi, Vahid Haddadi Asl, "Effects of Reaction and Processing Parameters on Ethylene Polymerization Using Different Ziegler-Natta Catalysts: Employment of Taguchi Experimental Design and Response Surface Method", , March 2007 Vol. , Num. 2, Page 0-0, March 2007,
- 120 [en-name N/A], Vahid Haddadi Asl, Mehdi Rafizadeh, Ali Safinejad, "Modeling of precipitation polymerization - I: The method of finite molecular weight moments", , January 2007 Vol. , Num. 123, Page 0-0, January 2007,
- 121 Mehdi Salami Kalajahi, Vahid Haddadi Asl, [en-name N/A], "Study of Electrical Conduction in Epoxy/Carbon Black Composites", , December 2006 Vol. 0, Num. 0, Page 0-0, December 2006,

- 122 Mehdi Rafizadeh, Hesam Ghasemi, Vahid Haddadi Asl, "Kinetic Modeling of Esterification of Epoxy Resin in The Presence of Triphenylphine for Producing Vinyl Ester Resin : Mechanistic Rate EQUATION", , November 2006 Vol. , Num. 6, Page 0-0, November 2006,
- 123 Yosef Mohammadi, Mohammad Najafi, Vahid Haddadi Asl, "quantitative and exact evaluation of linear binary copolymers microstructure by Monte Carlo simulation Method", , October 2006 Vol. , Num. 6, Page 0-0, October 2006,
- 124 Ali Farshidfar, Vahid Haddadi Asl, Hossein Nazokdast, "Electrical and Mechanical Properties of Conductive Carbon Black/Polyolefin Composites Mixed With Carbon Fiber", , October 2006 Vol. , Num. 10, Page 0-0, October 2006,
- 125 Mohammad Najafi, Vahid Haddadi Asl, "Comparative Study of Ethylene Polymerization :Using Different Ziegler - Natta Catalysts on an Optimal Condition Obtained By Experimental Design", , March 2006 Vol. , Num. 1, Page 0-0, March 2006,
- 126 Yousef Mohammadi, Mohammad Najafi, Vahid Haddadi Asl, "Comprehensive Study of Radical Copolymerization Using a Monte Carlo Simulation Method , 1 Both Reactivity Ratios Less Than Unity ($r_A < 1$ and $r_B < 1$)", , June 2005 Vol. , Num. 14, Page 0-0, June 2005,
- 127 Vahid Haddadi Asl, "Electrochemical Performance of Graphite Felt/Epr Modified Carbon -Polymer Composite Electrodes (III)Effect Of Overcharge On Electrode Deterioration", , May 2005 Vol. 0, Num. 0, Page 0-0, May 2005,
- 128 Vahid Haddadi Asl, "Comprehensive Study of Free Radical Copolymerization Using a Monte Carlo Simulation method ,1 Both Reactivity Ratios Less than Unity ($r_A < 1$ and $r_B < 1$) .", , January 2005 Vol. , Num. 14, Page 0-0, January 2005,
- 129 Rosa Ghavamzadeh, Vahid Haddadi Asl, Hamid Mirzadeh, "Bioadhesion and biocompatibility evaluations of gelatin and polyacrylic acid as a crosslinked hydrogel in vitro", , February 2004 Vol. , Num. 8, Page 0-0, February 2004,
- 130 Vahid Haddadi Asl, "Electrochemical performance of graphite felt/carbon -polymer composite electrodes (II) : Effect of thermal treatment of graphite felt on cell performance", , December 2003 Vol. 0, Num. 57, Page 0-0, December 2003,
- 131 Vahid Haddadi Asl, "Electrochemical performance of graphite felt/carbon-polymer composite electrodes(I):Electrochemical activity and stability of electrodes", , December 2003 Vol. 0, Num. 57, Page 0-0, December 2003,
- 132 [en-name N/A], Vahid Haddadi Asl, "Surface modification of styrene-butadiene rubber and natural rubber by hydrophilic monomers-II", , July 2000 Vol. , Num. 4, Page 0-0, July 2000,
- 133 Vahid Haddadi Asl, [en-name N/A], "Effect of electrochemical cell overcharge on electrical and electrochemical properties of polymer composite electrods (II) mechanism of electrode deterioration", , July 1998 Vol. , Num. 3, Page 0-0, July 1998,
- 134 Vahid Haddadi Asl, [en-name N/A], "Effect of electrochemical cell overcharge on electrical and electrochemical properties of polymer composite electrods (I)", , April 1998 Vol. , Num. 2, Page 0-0, April 1998,
- 135 Vahid Haddadi Asl, M. Skyllas-Kazacos, "Conducting plastic electrodes", , January 1997 Vol. , Num. , Page 0-0, January 1997,
- 136 [en-name N/A], Vahid Haddadi Asl, "Modification of a composite memberane for redox flow battery application", , January 1997 Vol. , Num. , Page 0-0, January 1997,
- 137 Vahid Haddadi Asl, [en-name N/A], "Effect of processing parameters on morphology and properties of carbon - polyolefin composites", , January 1996 Vol. , Num. , Page 0-0, January 1996,
- 138 Vahid Haddadi Asl, "Morphology and properties of carbon -polyolefin composites", , January 1996 Vol. , Num. , Page 0-0, January 1996,
- 139 A. Brungs, Vahid Haddadi Asl, "Preparation and evaluation of electrocatalytic oxides coatings on conductive carbon -polymer composite substrates for use as dimensionally stable anodes", , January 1996 Vol. , Num. 26, Page 0-0, January 1996,
- 140 Vahid Haddadi Asl, R.P. Burford, "Radiation graft modification of ethylene-propylene rubber-III.effect of water uptake, wettability and biocompatibility", , January 1996 Vol. , Num. 47, Page 0-0, January 1996,

- 141 Vahid Haddadi Asl, M. Kazacos, M. Skyllas-Kazacos, "Carbon-polymer composite electrodes for redox cells", , January 1995 Vol. , Num. 57, Page 0-0, January 1995,
- 142 Vahid Haddadi Asl, M. Kazacos, M. Skyllas-Kazacos, "Conductive carbon -polypropylene composite electrodes for vanadium flow battery", , January 1995 Vol. , Num. 25, Page 0-0, January 1995,
- 143 Vahid Haddadi Asl, R.P. Burford, J.L. Garnett, "Radiation graft modification of N-Vinyl-2-pyrrolidone onto ethylene-propylene rubber", , January 1995 Vol. , Num. , Page 0-0, January 1995,
- 144 Vahid Haddadi Asl, R.P. Burford, J.L. Garnett, "Radiation graft modification of ethylene-propylene rubber-II.effect of additives", , January 1995 Vol. , Num. 45, Page 0-0, January 1995,
- 145 Vahid Haddadi Asl, R.P. Burford, J.L. Garnett, "Radiation graft modification of ethylene -propylene rubber I . effect of monomer and substrate structure", , January 1994 Vol. , Num. 44, Page 0-0, January 1994,

Conference Papers

Portal Records

- 1 Hamoon Hematpour, Thomas Burgers, Vahid Haddadi Asl, Rifka Vlijm, Anna Salvati, Catharina Reker-Smith, Petra Rudolf, "Thermo-Responsive Drug Carrier Based On Halloysite Nanotubes" , CHEMISTRY AS INNOVATING SCIENCE (CHAINS),, December 2021
- 2 Paria Gholami Khoshganab, Vahid Haddadi Asl, Arezoo Dashti, "Synthesis nanocomposites based on polyethylene montmorillonite using zigler natta catalyst ", 8th UFGNSM, November 2021
- 3 Hamoon Hematpour, Dominic Crestani, Oreste De Luca, Alessia Lasorsa, Patrick Van Der Wel, Katja Loos, Vahid Haddadi Asl, Petra Rudolf, "New insights in the polydopamine formation from nano-surface adsorption ", Brightlands Polymer Days, November 2021
- 4 Hamoon Hematpour, Dominic Crestani, Oreste De Luca, Vahid Haddadi Asl, Theodosios Giousis, Petra Rudolf, "Structural Basis Of The Nanoscale Deposition Of Polydopamine Onto Halloysite Nanotubes: Insights Into The Polydopamine Formation Mechanism" , 15th International conference on materials chemistry, July 2021
- 5 Hamoon Hematpour, Vahid Haddadi Asl, Fatemeh Khanipoor, Petra Rudolf, "Ph-Responsive Brushes on Halloysite Nanotubes for Drug Release ", CHEMISTRY AS INNOVATING SCIENCE (CHAINS), December 2020
- 6 Sahar Foroughirad, Vahid Haddadi Asl, Alireza Khosravi, Mehdi Salami Kalajahi, "Novel Magnetic Halloysite based-Molecularly Imprinted Polymer for Sunset Yellow Removal from Aqueous Solutions ", The 7th International Conference on Composites: Characterization, Fabrication and Application (CCFA-7), December 2020
- 7 Sahar Foroughirad, Vahid Haddadi Asl, Alireza Khosravi, Mehdi Salami Kalajahi, "Magnetically Decorated Halloysite Nanotubes: The Halloysite Mass Content Assessment in Nanocomposite ", The 7th International Conference on Composites: Characterization, Fabrication and Application (CCFA-7), December 2020
- 8 Pegah Sheikh, Vahid Haddadi Asl, Pouya Jafari, Zahra Balzadeh, "Halloysite, a Dual Charge Nanotube, Effect on Polypropylene Nanocomposites Preparation via In situ Polymerization using ZieglerNatta Catalyst ", The 7th International Conference on Composites: Characterization, Fabrication and Application (CCFA-7), December 2020
- 9 Sahar Foroughirad, Vahid Haddadi Asl, Alireza Khosravi, "Novel Synthesis of Magnetic Halloysite-based Polymeric Absorbent for Wastewater Treatment of Acid Dyes ", THE 8th INTERNATIONAL CONFERENCE ON NANOSTRUCTURES (ICNS8), November 2020
- 10 Hanie Ahmadi, Vahid Haddadi Asl, "Modeling of Micro-phase Separation Kinetics of Polyurethane / CNT Nanocomposites ", THE 8th INTERNATIONAL CONFERENCE ON NANOSTRUCTURES (ICNS8), November 2020
- 11 Hanie Ahmadi, Vahid Haddadi Asl, "Fabrication of PLGA Nanoparticles for Encapsulation of Curcumin ", THE 8th INTERNATIONAL CONFERENCE ON NANOSTRUCTURES (ICNS8), November 2020
- 12 Fatemeh Mohammadzadeh, Vahid Haddadi Asl, Eman Sahebi Jouybari, "The effect of Halloysite nanotube on phase separation and shape memory of polyurethane ", 8th Iran International Conference & Exhibition on Materials Science & Metallurgical Engineering, October 2019

- 13 Fatemeh Mohammadzadeh, Vahid Haddadi Asl, Eman Sahebi Jouybari, "The effect of moisture on the creation of a physical/ chemical network in polyurethane/halloysite nanotube nanocomposites with shape memory behavior ", 27th Iranian Conference of Organic Chemistry, August 2019
- 14 Mojdeh Azarnia, Vahid Haddadi Asl, "Fabrication and characterization of super hydrophilic electrospun poly(lactic acid) fibers for tissue engineering applications. part 2: hydrophilicity and water uptake behavior ", 13th International Seminar on Polymer Science & Technology (ISPST 2018), November 2018
- 15 Mojdeh Azarnia, Vahid Haddadi Asl, "Fabrication and characterization of super hydrophilic electrospun poly(lactic acid) fibers for tissue engineering applications. part 1: morphology ", 13th International Seminar on Polymer Science & Technology (ISPST 2018), November 2018
- 16 Mohammad Masoud Mirhosseini, Vahid Haddadi Asl, Eman Sahebi Jouybari, Mehri Haji, "Study of micro-phase separation of polyurethane nanocomposites above the percolation threshold ", Proceedings of the 7th International Conference on Nanostructures (ICNS7) 27Feb- 1 Mar 2018, Tehran, Iran, February 2018
- 17 Eman Sahebi Jouybari, Vahid Haddadi Asl, Mohammad Masoud Mirhosseini, Hadi Oliaie, "Micro-phase separation kinetics of polyurethane nanocomposites: effect of temperature, preshear and nanofiller ", 7th International Conference on Nanostructures (ICNS7) 27Feb- 1 Mar 2018, Tehran, Iran, February 2018
- 18 Mohammad Masoud Mirhosseini, Vahid Haddadi Asl, Eman Sahebi Jouybari, Mehri Haji, "Effect of nanofiller content on the micro-phase separation kinetics of polyurethane nanocomposites ", Proceedings of the 7th International Conference on Nanostructures (ICNS7) 27Feb- 1 Mar 2018, Tehran, Iran, February 2018
- 19 Eman Sahebi Jouybari, Vahid Haddadi Asl, Mohammad Masoud Mirhosseini, Hadi Oliaie, "Effect of interaction between polyurethane and nanofillers with different chemical nature on the properties and morphology of polyurethane nanocomposites ", 7th International Conference on Nanostructures (ICNS7) 27Feb- 1 Mar 2018, Tehran, Iran, February 2018
- 20 Zahra Kafrashian, Vahid Haddadi Asl, Seyed Shahrooz Zargarian, "Characterization of surface modified hydroxy apatite nano particles ", the 7th International Conference on Nanostructures (ICNS7), February 2018
- 21 Zahra Kafrashian, Vahid Haddadi Asl, Seyed Shahrooz Zargarian, "Characterization of surface modified hydroxy apatite nano particles ", Proceedings of the 7th International Conference on Nanostructures (ICNS7) 27Feb- 1 Mar 2018, Tehran, Iran, February 2018
- 22 Zahra Kafrashian, Vahid Haddadi Asl, S.Sh. Zargarian, "Improving hydrophilicity and mechanical properties of PLGA/P123 electrospun nanofibers ", International Conference on Nanofibers, October 2017
- 23 Mahsa Hakani, Vahid Haddadi Asl, Seyed Shahrooz Zargarian, "facile preparation of novel of hydrophilic polypropylene based substrates ", 12th International Seminar on Polymer Science and Technology, November 2016
- 24 Vahid Haddadi Asl, "living radical polymerization reaction engineering ", 12th International Seminar on Polymer Science and Technology, November 2016
- 25 Zahra Kafrashian, Vahid Haddadi Asl, Seyed Shahrooz Zargarian, Mojdeh Azarnia, "Spontaneous Interfacial Formation of Pluronic Layer, Part 2: Membrane Efficiency ", 12th International Seminar on Polymer Science and Technology, November 2016
- 26 Seyedeh Mahnaz Modarresi Saryazdi, Vahid Haddadi Asl, M.Ahdi Salami Kalajahi, "Preparation of monodisperse acrylic acid based polymer microspheres with N, -methylenebisacrylamide as crosslinker ", 12th International Seminar on Polymer Science and Technology, November 2016
- 27 Elaheh Abdollahzadeh Tabrizy Moghadam, Vahid Haddadi Asl, Seyed Shahrooz Zargarian, "Fabrication of Water Exposed Super Hydrophilic Polycaprolactone Based Fibers. Part 2: Dynamic of Swelling ", 12th International Seminar on Polymer Science and Technology, November 2016
- 28 Seyed Shahrooz Zargarian, Vahid Haddadi Asl, Elaheh Abdollahzadeh Tabrizy Moghadam, "Fabrication of Water Exposed Super Hydrophilic Polycaprolactone Based Fibers. Part 1: Morphology of Swelling ", 12th International Seminar on Polymer Science and Technology, November 2016
- 29 Leila Noein, Vahid Haddadi Asl, Mehdi Salami Kalajahi, "Synthesis of poly (2-hydroxyethyl methacrylate) grafted on halloysite nanotubes via atom transfer radical polymerization for drug delivery ", 6th International Conference on Nanostructures, March 2016

- 30 Seyed Shahrooz Zargarian, Vahid Haddadi Asl, Maedeh Ghaderi Ghahfarrokhi, Mohammad Masoud Mirhosseini, "Surfactant Assisted Water Exposed Electrospinning of Super Hydrophilic Polycaprolactone Based Nanofibers. Part 3: Crystallinity and Thermal Properties ", Proceedings of the 6th International Conference on Nanostructures (ICNS6) 7-10 March 2016, Kish Island, Iran, March 2016
- 31 Seyed Shahrooz Zargarian, Vahid Haddadi Asl, Maedeh Ghaderi Ghahfarrokhi, Mohammad Masoud Mirhosseini, Zahra Kafrashian, "Surfactant Assisted Water Exposed Electrospinning Supre Hydrophilic Polycaprolactone Based Nanofibre Part3: Crystallinity and Thermal Properties ", Nanostructures (ICNS6), March 2016
- 32 Maedeh Ghaderi Ghahfarrokhi, Vahid Haddadi Asl, Seyed Shahrooz Zargarian, Mohammad Masoud Mirhosseini, "Preparation and Characterization of Electrospun PCL/Pluronic/Halloysite Composite ", Proceedings of the 6th International Conference on Nanostructures (ICNS6) 7-10 March 2016, Kish Island, Iran, March 2016
- 33 Mohammad Masoud Mirhosseini, Vahid Haddadi Asl, Seyed Shahrooz Zargarian, Maedeh Ghaderi Ghahfarrokhi, "Nanoscale Wetting of PCL/P123 Electrospun Nanofibers by a Combined Experimental and Computational Approach ", Proceedings of the 6th International Conference on Nanostructures (ICNS6) 7-10 March 2016, Kish Island, Iran, March 2016
- 34 Mohammad Masoud Mirhosseini, Vahid Haddadi Asl, Seyed Shahrooz Zargarian, Maedeh Ghaderi Ghahfarrokhi, "NanoScale Wetting of PCL/.P123 Electrospun Nanofibres by a Combined Experimental and Computational ", Nanostructures (ICNS6), March 2016
- 35 Leila Noein, Vahid Haddadi Asl, Mehdi Salami Kalajahi, "Grafting of pH-responsive poly (2-hydroxyethyl methacrylate-co-N, N-dimethylaminoethyl methacrylate) on Halloysite nanotubes by surface-initiated atom transfer radical polymerization ", 6th International Conference on Nanostructures, March 2016
- 36 Mohammad Masoud Mirhosseini, Vahid Haddadi Asl, Seyed Shahrooz Zargarian, Zahra Kafrashian, "Effect of Hydroxyapatite Functionalization on Mechanical and Thermal Properties of HA/PCL/P123 nanocomposites: Streghening the Interfacial Interactions ", Nanostructure (ICNS6), March 2016
- 37 Mohammad Masoud Mirhosseini, Vahid Haddadi Asl, Seyed Shahrooz Zargarian, Zahra Kafrashian, "Effect of Hydroxyapatite Functionalization on Mechanical and Thermal Properties of HA/PCL/P123 Nanocomposites: Strengthening the Interfacial Interactions ", Proceedings of the 6th International Conference on Nanostructures (ICNS6) 7-10 March 2016, Kish Island, Iran, March 2016
- 38 Mohammadali Pourmohammadi, Vahid Haddadi Asl, Jamal Alaie, Mahmoud Hemati, Hossein Roghani- Mamaqani, Mohamad Barari, Elnaz Zeinali, "Enhanced Oil Recovery by using AMPSin Water-soluble Acryamide-based Terpolymere ", 3rd Conference on Emerging Trends in Energy Conservation, March 2015
- 39 Maedeh Ghaderi Ghahfarrokhi, Vahid Haddadi Asl, Seyed Shahrooz Zargarian, "investigation of halloysite nanotubes bioactivity embedded in poly(caprolactone) ", asian nano forum conference, March 2015
- 40 Mohammad Masoud Mirhosseini, Vahid Haddadi Asl, Seyed Shahrooz Zargarian, "The effect of nano hydroxy apatite surface modification with pluronic on biocompatibility of polycaprolactone /hydroxy apatite nano composite ", asian nano forum conference 2015, March 2015
- 41 Mohammad Masoud Mirhosseini, Vahid Haddadi Asl, Mahmoud Rahmati, "modeling the interaction of two anti-cancer drugs with graphen surface:camptothecin and mitoxantrone ", Asian nano forum conference2015, March 2015
- 42 Zahra Aghaei, Laila Naji, Vahid Haddadi Asl, Ghader Khanbabaei, "Gas permeation properties of Poly(amide-6-b-ethylene oxide)-silica Hybride nanocomposites membrane by Sol-gel Technique ", 11th International Seminar on Polymer Science and Technology (ISPST), October 2014
- 43 Hamoon Hematpour, Vahid Haddadi Asl, Seyed Shahrooz Zargarian, "grafting 2-hydroxyethyl metaacrylate brushes onto halloysite nanotubes via surface initiated atom transfer radical polymerization ", 11th international seminar on polymer science & technology (ISPST) 2014, October 2014
- 44 Elnaz Zeinali, Hossain Roghani Mamaghani, Vahid Haddadi Asl, Sulmaz Afrugh, Mohammad Ali Pourmohammadi Mahounaki, "Thermal Degradation behaviors of Stimuli-Responsive Polymer and Random Copolymer by RAFT Polymerization ", 11th international seminar on polymer science & technology (ISPST) 2014, October 2014
- 45 Farzaneh Parhizkari, Vahid Haddadi Asl, Hamoon Hematpour, Seyed Shahrooz Zargarian, "Grafting polydimethyl aminoethyl methacrylate on hydroxyapatite nanoparticles via surface-initiated atom transfer radical polymerization ", 11th International Seminar on Polymer Science and Technology - ISPST 2014, October 2014

- 46 Fatemeh Sadat Hosseini, Vahid Haddadi Asl, Seyed Shahrooz Zargarian, "Facile and Homogeneous Acetylation of Microcrystalline Cellulose in LiCl/DMAc Solvent System ", 11th International Seminar on Polymer Science and Technology - ISPST 2014, October 2014
- 47 Shahab Aldin Jafarzadeh, Vahid Haddadi Asl, Seyed Shahrooz Zargarian, Mohammad Motaghi, "Enhancement of the mechanical and adhesion properties of epoxy coating by halloysite nanoparticles incorporation ", 11th International Seminar on Polymer Science and Technology - ISPST 2014, October 2014
- 48 Fatemeh Sadat Hosseini, Sina Sabury, Vahid Haddadi Asl, Farhad Sharif, "Chiral Nematic Suspension of Plate-like and Rod-like Charged Nano Particles mixture ", 11th international seminar on polymer science & technology (ISPST) 2014, October 2014
- 49 Hamoon Hematpour, Vahid Haddadi Asl, Seyed Shahrooz Zargarian, "Role of surface modification on sustain release of diphenhydramine hydrochloride from halloysite nanotubes ", the 5th international congress nanoscience & nanotechnology (ICNN2014),, October 2014
- 50 Laila Naji, Zahra Aghaei, Vahid Haddadi Asl, Ghader Khanbabaei, "Control of Pore Structure Formation in PEBAX membrane by Phase Inversion Method ", 21st Iranian Seminar of Organic Chemistry (21st ISOC), March 2014
- 51 Mohammadali Pourmohammadi, Vahid Haddadi Asl, Jamal Alaie, Mahmoud Hemmati, Hossein Roghani - Mamaqani, Mohammad Barari, Elnaz Zeinali, "Enhanced Oil Recovery by using AMPS in Water-soluble Acrylamide-Based Terpolymers ", 3rd conference on emerging trends in energy conservation, February 2014
- 52 Vahid Haddadi Asl, Hossein Roghani -Mamaqani, "Polystyrene Functionalized Graphene Nanolayers by Atom Transfer Radical Polymerization ", International Conference on Innovation in Engineering and Technology (ICIET, 2013), December 2013
- 53 Mohammadreza Sarsabili, Mehdi Parvini, Mehdi Salami Kalajahi, Abas Asfadi, Pejman Ganjeh Anzabi, Hossein Roghani -Mamaqani, Vahid Haddadi Asl, "Synthesis of PS/MCM-41 Nanocomposite via Reversible Addition-Fragmentation Chain Transfer Polymerization Using Grafting from Approach ", international seminar on polymer science & technology (ISPST) 2012, October 2012
- 54 Pejman Ganjeh Anzabi, Vahid Haddadi Asl, Mehdi Salami Kalajahi, Abas Asfadi, "Modeling RAFT Polymerization of Butadiene ", international seminar on polymer science & technology (ISPST) 2012, October 2012
- 55 Mehdi Salami Kalajahi, Vahid Haddadi Asl, Hossein Roghani -Mamaqani, Mahmoud Hemmati, Mohammad Najafi, "Properties of PMMA/Silica Nanocomposites Prepared via In situ Free Radical Polymerization ", Polymer Processing Society Asia/Australia Regional Meeting (PPS 2011), November 2011
- 56 Mohamad Najafi, Mehdi Salami Kalajahi, Nasser Reshad, Hossein Roghani -Mamaqani, Vahid Haddadi Asl, "n-Butyl Acrylate Atom Transfer Radical Copolymerization ", Polymer Processing Society 2011 Asia/Australia Regional Meeting (PPS 2011), November 2011
- 57 Hossein Roghani -Mamaqani, Vahid Haddadi Asl, Mehdi Salami Kalajahi, "Nanocomposite Synthesis by Controlled Radical Polymerization ", Polymer Processing Society 2011 Asia/Australia Regional Meeting (PPS 2011), November 2011
- 58 Mohammad Najafi, Mehdi Salami Kalajahi, Nasser Reshad, Hossein Roghani -Mamaqani, Vahid Haddadi Asl, "A Mont Carlo Study on Variation of Copolymer Composition in Styrene and n-Butyl Acrylate Atom Transfer Radical Copolymerization ", Polymer Processing Society 2011 Asia/Australia Regional Meeting (PPS 2011), November 2011
- 59 Khezrollah Khezri, Vahid Haddadi Asl, Hossein Roghani -Mamaqani, Mehdi Salami Kalajahi, "Reverse Atom Transfer Radical Copolymerization of Styrene and Methyl methacrylate in the presence of Clay Nanolayers in Miniemulsion ", Polymer Processing Society 2011 Asia/Australia Regional Meeting (PPS 2011), November 2011
- 60 Mehdi Salami Kalajahi, Vahid Haddadi Asl, Hossein Roghani -Mamaqani, Mohammad Najafi, "Investigating the In situ Free Radical Polymerization Kinetics of PS in the Presence of Silica Nanoparticles ", The 7th International Chemical Engineering Congress and Exhibition (IChEC), November 2011
- 61 Khezrollah Khezri, Vahid Haddadi Asl, Hossein Roghani -Mamaqani, Mehdi Salami Kalajahi, "Exfoliated Poly (Styrene-co-Methyl methacrylate) Nanocomposite via AGET ATRP in Miniemulsion ", The 7th International Chemical Engineering Congress and Exhibition (IChEC), November 2011

- 62 Saeid Rahimi Razin, Farid Behboodi Saad Abad, Mehdi Salami Kalajahi, Vahid Haddadi Asl, Hossein Roghani-Mamaqani, Mohammad Najafi, "THERMOGRAVIMETRIC BEHAVIOUR OF PMMA/MWCNT NANOCOMPOSITES PREPAED VIA IN-SITU RAFT POLYMERIZATION ", The Second Conference on Application of Nanotechnology In Science, Engineering and Medicine (NTC2011), May 2011
- 63 Saeid Rahimi Razin, Farid Behboodi Saad Abad, Mehdi Salami Kalajahi, Vahid Haddadi Asl, Hossein Roghani -Mamaqani, Mohammad Najafi, "Thermogravimetric Behaviour of PMMA/MWCNT Nanocomposites Prepared Via In-situ RAFT Polymerization ", 2nd conference on Applications of Nanotechnology in Science, Engineering and Medicene (NTC2011), May 2011
- 64 Hossein Roghani -Mamaqani, Vahid Haddadi Asl, Mohammad Najafi, Mehdi Salami Kalajahi, "Preparation of Well-defined Nanofibrous Polystyrene Nanocomposite by Electrospining ", 2nd conference on Applications of Nanotechnology in Science, Engineering and Medicene (NTC2011), May 2011
- 65 Hossein Roghani -Mamaqani, Vahid Haddadi Asl, Mohammad Najafi, Mehdi Salami Kalajahi, "Preparation of Well-Defined Nanofibrous Polystyrene Nanocomposite by Electrospinning ", 2nd Conference on Applications of Nanotechnology in Sciences, Engineering, and Medicine, May 2011
- 66 Farid Behboodi Saad Abad, Saeid Rahimi Razin, Mehdi Salami Kalajahi, Vahid Haddadi Asl, Hossein Roghani -Mamaqani, Mahmoud Hammati, "Loading Effect of MWCNT on the Kinetics of MMA Polymerization in PMMA/MWCNT Nanocomposites ", 2nd conference on Applications of Nanotechnology in Science, Engineering and Medicene (NTC2011), May 2011
- 67 Mehdi Salami Kalajahi, Saeid Rahimi Razin, Farid Behboodi Saad Abad, Vahid Haddadi Asl, Hossein Roghani -Mamaqani, Mohammad Najafi, "DMTA Study of Silica/PMMA Nanocomposites prepared by In-situ Polymerization ", 2nd conference on Applications of Nanotechnology in Science, Engineering and Medicene (NTC2011), May 2011
- 68 Hossein Roghani -Mamaqani, Vahid Haddadi Asl, Mohammad Najafi, Mehdi Salami Kalajahi, "Preparation of Well-Defined Nanofibrous Polystyrene Nanocomposite by Electrospinning ", 2nd International Symposium on Controlled/Living Polymerization: From Synthesis to Applications (CLP11), April 2011
- 69 Mehdi Salami Kalajahi, Saeid Rahimi Razin, Farid Behboodi Saad Abad, Vahid Haddadi Asl, Hossein Roghani -Mamaqani, "In-Situ Synthesis of PMMA/MWCNT Nanocomposites over RAFT Polymerization ", 2nd International Symposium on Controlled/Living Polymerization: From Synthesis to Applications (CLP11), April 2011
- 70 Vahid Haddadi Asl, Mohammad Najafi, Hossein Roghani -Mamaqani, Mehdi Salami Kalajahi, "Study of Chain-length-dependent and Diffusion-controlled Styrene Polymerization in FRP and ATRP Systems by Monte Carlo Simulation ", International Conference on Chemical and Process Engineering (ICCPE), November 2010
- 71 Mohammad Najafi, Hossein Roghani -Mamaqani, Mehdi Salami Kalajahi, Vahid Haddadi Asl, "Study of Chain-length-dependent and Diffusion-Controlled Styrene Polymerization in FRP and ATRP Systems by Monte Carlo Simulation ", International Conference on Chemical and Process Engineering (ICCPE2010), November 2010
- 72 Hossein Roghani -Mamaqani, Vahid Haddadi Asl, Mohammad Najafi, Mehdi Salami Kalajahi, "Preparation of Well-defined Polystyrene Nanocomposites and Nanofibers by Living Atom Transfer Radical Polymerization ", 1st International Regional Chemical and Petroleum Engineering Conference, October 2010
- 73 Hossein Roghani -Mamaqani, Vahid Haddadi Asl, Mohammad Najafi, Mehdi Salami Kalajahi, "Preparation of Well-defined Polystyrene Nanocomposites and Nanofibers by Living Atom Transfer Radical Polymerization ", 1st International Regional Chemical and Petroleum Engineering, October 2010
- 74 Alireza Mahjub, Mehdi Salami Kalajahi, Vahid Haddadi Asl, Hossein Roghani -Mamaqani, Mohammad Najafi, "Photo-initiated Bulk Polymerization of Furfuryl Methacrylate: A Monte Carlo Simulation ", 1st International Regional Chemical and Petroleum Engineering Conference, October 2010
- 75 Hossein Roghani -Mamaqani, Vahid Haddadi Asl, Mohammad Najafi, Mehdi Salami Kalajahi, "Nanoclay-attached and Free Polystyrene Nanofiber by Combination of Atom Transfer Radical Polymerization and Electrospining ", International Conference on Nanotechnology (ASET), August 2010
- 76 Mehdi Salami Kalajahi, Pejman Ganjeh Anzabi, Vahid Haddadi Asl, Mohammad Najafi, "Universal Kinetic Modeling of RAFT Polymerization using Moment Equations ", International Conference on Chemical Engineering & Technology (ICCET2010), July 2010
- 77 Elnaz Esmizadeh, Vahid Haddadi Asl, "Properties of Nanocomposite Film of P(MMA/BA)-MMT-Na Synthesized by In-situ Emulsion Polymerization ", 3rd Conference on Nanostructures (NS2010), March 2010

- 78 Zohre Taherkhani, Vahid Haddadi Asl, "Optimization of the electrospinning parameters for preparation of Polyurethane nanofibers ", 3rd Conference on Nanostructures (NS2010), March 2010
- 79 Zohre Taherkhani, Vahid Haddadi Asl, Yousef Mohammadi, Akbar Gazme, "Effect of Solvent and Concentration of Polymeric Solution on the Morphology of Electrospun Nanofiber ", 3rd Conference on Nanostructures (NS2010), March 2010
- 80 Hossein Roghani -Mamaqani, Mohammad Najafi, Mehdi Salami Kalajahi, Vahid Haddadi Asl, "Preparation of Mixed Surface-Initiated and Free Polystyrene Nanocomposite via Atom Transfer Radical Polymerization ", 11th Pacific Polymer Conference 2009, December 2009
- 81 Mohammad Najafi, Mehdi Salami Kalajahi, Hossein Roghani -Mamaqani, Vahid Haddadi Asl, "Evaluation of Copolymer Heterogeneity in Styrene and n-Butyl Acrylate Atom Transfer Radical Copolymerization: A Monte Carlo Simulation ", 11th Pacific Polymer Conference 2009, December 2009
- 82 Mehdi Salami Kalajahi, Mojtaba Bagheri Jaghargh, Vahid Haddadi Asl, "Modeling of RAFT Polymerization of Polystyrene by Moment equations ", The 6th International Chemical Engineering Congress (ICChE2009), November 2009
- 83 Hossein Roghani -Mamaqani, Mohammad Najafi, Vahid Haddadi Asl, "Synthesis of exfoliated polystyrene nanocomposite via ATRP ", , October 2009
- 84 Hossein Roghani -Mamaqani, Mohammad Najafi, Mehdi Salami Kalajahi, Vahid Haddadi Asl, "Thermal Properties of Polystyrene Nanocomposite Prepared via ATRP ", 9th International Seminar on Polymer Science and Technology ISPST 2009, October 2009
- 85 Mohammad Najafi, Hossein Roghani -Mamaqani, Mehdi Salami Kalajahi, Vahid Haddadi Asl, "Study of Chain-length-dependent and Diffusion-controlled Styrene Polymerization in FRP and ATRP Systems by Monte Carlo Simulation ", 9th International Seminar on Polymer Science and Technology ISPST 2009, October 2009
- 86 Mohammad Najafi, Hossein Roghani -Mamaqani, Mehdi Salami Kalajahi, Vahid Haddadi Asl, "Sequence Length Study of Styrene-n-Butyl Acrylate Copolymer in FRcP and ATRcP Systems by Monte Carlo Simulation Method ", 9th International Seminar on Polymer Science and Technology ISPST 2009, October 2009
- 87 Vahid Haddadi Asl, Mehdi Rafizadeh, Ali Safinejad, "Mathematical Modeling of Precipitation Polymerization; The Method of Finite Molecular Weight Moments ", ISPST2007, October 2009
- 88 Mojtaba Bagheri Jaghargh, Mehdi Salami Kalajahi, Vahid Haddadi Asl, "Investigating Intermediate Radical Termination Theory in Elucidation of Styrene RAFT Polymerization Kinetics ", 9th International Seminar on Polymer science and Technology (ISPST2009), October 2009
- 89 Hossein Roghani -Mamaqani, Mohammad Najafi, Vahid Haddadi Asl, "Effect of nanoclay on kinetics and molecular weight of polystyrene nanocomposite prepared via situ ATRP ", , October 2009
- 90 Shahrzad Rahmani, Vahid Haddadi Asl, "Introduction and Characterization of a new Solvent System for PC Electrospinning ", 9th International Seminar on Polymer science and Technology (ISPST2009), October 2009
- 91 Mohammad Najafi, Hossein Roghani -Mamaqani, Mehdi Salami Kalajahi, Vahid Haddadi Asl, "Different Dyad Fractions in Styrene-n-Butyl Acrylate Copolymer in FRcP and ATRcP Systems: A Monte Carlo Study ", 9th International Seminar on Polymer Science and Technology ISPST 2009, October 2009
- 92 Mohammad Najafi, Hossein Roghani -Mamaqani, Mehdi Salami Kalajahi, Vahid Haddadi Asl, "A Stochastic Simulation of Styrene and n-Butyl Acrylate Copolymer Composition in FRcP and ATRcP Systems ", 9th International Seminar on Polymer Science and Technology ISPST 2009, October 2009
- 93 Zahra Khoobi Arany, Mehdi Salami Kalajahi, Vahid Haddadi Asl, Mohammad Najafi, Hossein Roghani -Mamaqani, "A Monte Carlo study of Bi-functional Initiating Styrene FRP ", 9th International Seminar on Polymer Science and Technology ISPST 2009, October 2009
- 94 Mohammad Najafi, Hossein Roghani -Mamaqani, Mehdi Salami Kalajahi, Vahid Haddadi Asl, "Kinetics Study of Styrene-n-Butyl Acrylate FRcP and ATRcP by Monte Carlo Simulation Method: Chain-length-dependent and Diffusion-controlled Termination ", 9th International Seminar on Polymer Science and Technology ISPST 2009, October 2009










- 95 A. Khavari, Z. Saleh, Hossein Nazokdast, Vahid Haddadi Asl, "OP12 Study on in situ Microfibrillar Morphology of Cross Linked Epoxy Resin in Polystyrene ", PPS-25, March 2009
- 96 Yosef Mohammadi, Akbar Gazmeh, Vahid Haddadi Asl, "Stem cell based tissue engineering using nanofibrous scaffolds " , , September 2008
- 97 Yosef Mohammadi, Akbar Gazmeh, Vahid Haddadi Asl, "Fabrication of multi layered wll aligned nanofibrous structure by novel electrospinning method " , , September 2008
- 98 Akbar Gazme, Iman Shabani, Yousef Mohammadi, Masoud Soleimani, Vahid Haddadi Asl, Ehsan Arefian, "Potential Application of Electrospun Nanofibers in Stem Cell Based Tissue Engineering " , Iran-India joint Conference in Nanotechnology, April 2008
- 99 Mahdiyeh Rezaei, Vahid Haddadi Asl, "Investigation of effective factors on morphology of fanocomposite preparing emulsion polymerization " , , March 2008
- 100 Mahdiyeh Rezaei, Vahid Haddadi Asl, "Investigation the effects of two surfaactants on nanostruture of montmorillonite " , , February 2008
- 101 Mohammad Najafi, Vahid Haddadi Asl, Mehdi Salami Kalajahi, Seyyed Mehdi Ghafelebashi Zarand, "On the Kinetics of Controlled/"Living" Radical Polymerizations Using Monte Carlo Method " , 5th International Chemical Engineering Congress & Exhibition (IChEC 2008), January 2008
- 102 Yousef Mohammadi, Akbar Gazme, Masoud Soleimani, Vahid Haddadi Asl, "Aligning Nanofibers: Introducing a Novel and Precise Method " , Nano for the 3rd Millennium, October 2007
- 103 Vahid Karimkhani, Vahid Haddadi Asl, Mohammad Vatankhah Varnoosfaderani, "Preparation of polyethylene nanofibers via in situ polymerization using clay supported catalysts " , , October 2007
- 104 Mehdi Salami Kalajahi, Mohammad Najafi, Vahid Haddadi Asl, "Modeling of ethylene polymerization with multicenter heterogeneous ziegler- natta catalysts effect of catalyst composition " , , October 2007
- 105 Mehdi Salami Kalajahi, Mohammad Najafi, Yosef Mohammadi, Vahid Haddadi Asl, "Modeling of ethylene polymerization and investigation of molecular weight distribution for centers I- V " , , October 2007
- 106 Fatemeh Dashtaki, Gity Mir Mohamad Sadeghi, Vahid Haddadi Asl, "Modeling of Gas Phase High Density Polyethylene Process Using Fluidized Bed Reactor " , , October 2007
- 107 Fatemeh Dashtaki, Gity Mir Mohamad Sadeghi, Vahid Haddadi Asl, "Modeling of gas phase high density polyethylene process using fluidized bed reactor " , , October 2007
- 108 Fatemeh Dashtaki, Gity Mir Mohamad Sadeghi, Vahid Haddadi Asl, "Modelling of Gas Phase High Density Polyethylene Process Using Fluidized Bed Reactor " , International Seminar on Polymer science and Technology (ISPST2007), October 2007
- 109 Mehdi Salami Kalajahi, Mohammad Najafi, Said Mehdi Ghafele Bashi Zarand, Vahid Haddadi Asl, "Study molecular weight and molecular weight distribution of flory component in ethylene polymerization over zigler natta catalysts " , , August 2007
- 110 Mohammad Najafi, Mehdi Salami Kalajahi, Yosef Mohammadi, Vahid Haddadi Asl, "Tracing molecular weight in controlled living radical polymerizations using stochastic methods " , , March 2007
- 111 Hadi Sobhani, [en-name N/A], Vahid Haddadi Asl, "The effect of filler type and compatibilizer on scratch resistance of mineral filled PP " , , March 2007
- 112 Hossein Afsharian Moghaddam, Vahid Haddadi Asl, "Synthesis and characterization of a new flexible poly amide imide via two step polymerization " , , March 2007
- 113 Said Mehdi Ghafele Bashi Zarand, [en-name N/A], Mehdi Najafi, Vahid Haddadi Asl, "Investigating effect of cocatalyst and external donor on molecular weigh of HDPE " , , March 2007
- 114 Hossein Afsharian Moghaddam, Vahid Haddadi Asl, "Effect of reaction condition on synthesis and properties of a new flexible poly amide imide " , , March 2007

- 115 Mehdi Salami Kalajahi, Mohammad Najafi, Yousef Mohammadi, Vahid Haddadi Asl, "Effect of monomer concentration on molecular weight on ethylene polymerization over multicenter ziegler natta catalysts ", , March 2007
- 116 Mehdi Salami Kalajahi, Mohammad Najafi, Yosef Mohammadi, Vahid Haddadi Asl, "Effect of hydrogen on ethylene polymerization over heterogeneous multicenter ziegler natta catalysts ", , March 2007
- 117 Hossein Afsharian Moghaddam, Vahid Haddadi Asl, "Synthesis and characterization of a new semi- aliphatic poly (amide- imide) with regular structure through dimide- deacide and disocyanate na devaluation of the effect of diamine addition regime ", , February 2007
- 118 Hossein Afsharian Moghaddam, Vahid Haddadi Asl, "Effect of monomer ratio and its molecular structure on synthesis and properties of poly (amide- imide) prepared by dimide- diacid and disocyanate ", , February 2007
- 119 Yosef Mohammadi, Mohammad Najafi, Vahid Haddadi Asl, "Precise and Quantitative Evaluation of Instantaneous and Cumulative Microstructural Characteristics of Linear Binary Copolymers Using a New Series of Analytical Equations ", , November 2006
- 120 [en-name N/A], Vahid Haddadi Asl, Mehdi Rafizadeh, "Modeling of Precipitation Polymerization According to Hunckeler Theory: Case I, Quasi Steady State Approximation. ", , November 2006
- 121 Mehdi Salami Kalajahi, Vahid Haddadi Asl, Said Mehdi Ghafele Bashi Zarand, "Modeling of Ethylene Polymerization with Ziegler-Natta Catalysts: Investigation of Kinetics and Rate equation ", , November 2006
- 122 Said Mehdi Ghafele Bashi Zarand, [en-name N/A], Mohammad Najafi, Vahid Haddadi Asl, "Effects of Temperature and Cocatalyst Concentration on the Number of Active Centers in a $TiCl_4/Mg(OEt)_2$ Catalyst for Ethylene Polymerization ", , November 2006
- 123 Yosef Mohammadi, Mohammad Najafi, Vahid Haddadi Asl, "Comprehensive Study of Degradation and Erosion of 3D PLLA Scaffolds Using a Monte Carlo Approach ", , November 2006
- 124 Said Mehdi Ghafele Bashi Zarand, [en-name N/A], Mohammad Najafi, Vahid Haddadi Asl, "Investigation of Effects of Cocatalyst and External Electron Donor on Kinetics of HDPE Polymerization ", , November 2006
- 125 [en-name N/A], [en-name N/A], Vahid Haddadi Asl, "investigation of processing conditions of catalyst support preparation on chemical structure, morphology, and thermal behavior of catalyst ", , November 2006
- 126 Maziar Sedighi Moghaddam, Vahid Haddadi Asl, [en-name N/A], "investigation of concentration an type of catalyst on catalyst activity and polyethylene properties in slurry polymerization ", , November 2006
- 127 [en-name N/A], [en-name N/A], Vahid Haddadi Asl, "Investigation of the effect of perpolymerization using different monomers on the behavior of polymerization and polyethylene properties: the effect of prepolymerization by ethylene and comparison with direct polymerization (1 ", , November 2006
- 128 Fatemeh Dashtaki, Gity Mir Mohamad Sadeghi, Vahid Haddadi Asl, "Prediction of Physico chemical properties of HDPE in a fluidized bed reactor through modeling ", , September 2006
- 129 Ali Farshidfar, Vahid Haddadi Asl, Hossein Nazokdast, "Electrial and mechanical properties of conductive carbon black polyolefin composites mixed with carbon fiber ", , October 2005
- 130 Yosef Mohammadi, Mohammad Najafi, Vahid Haddadi Asl, "Precise evaluation of the arrangement of monomer units in binary copolymerization reactions ", , January 2005
- 131 Mohammad Najafi, Vahid Haddadi Asl, Yosef Mohammadi, "Determination of sequence length distribution in copolymerization reactions using a statistical approach ", , January 2005
- 132 Mohammad Najafi, Yosef Mohammadi, Vahid Haddadi Asl, "Calculation of maximum reachable conversion using monte carlo simulation method ", , January 2005
- 133 Mohammad Najafi, Vahid Haddadi Asl, "Investigation of various parameters on ethylene polymerization by THT catalysis using a L27 Taguchi experimental design ", , November 2004
- 134 Hesam Ghasemi, Mehdi Rafizadeh, Vahid Haddadi Asl, "Kinetic Modeling of Vinyl Resin Production Reaction: Presenting Rate Equation ", , November 2004

- 135 [en-name N/A], Ahmad Ramezani Saadatabadi, Said Mehdi Ghafele Bashi Zarand, [en-name N/A], [en-name N/A], [en-name N/A], Vahid Haddadi Asl, "Simulation of High Density polyethylene (HDPE) polymerization with heterogeneous Ziegler- Natta Catalysts in Slurry phase ", , November 2004
- 136 Vahid Haddadi Asl, [en-name N/A], [en-name N/A], "Effect of Formulation and processing Condition on Electrical Conductivity of Epoxy _ Carbon black Composites ", , November 2004
- 137 Vahid Haddadi Asl, Mohammad Reza Saeb, "Evaluation of the Molar Ratio of Aluminium / Titanium In Ethylene Polymerization and the Effect of Polymerization In the Absence of Hydrogene on the Molecular weight Increasement ", , November 2004
- 138 Mohammad Najafi, Vahid Haddadi Asl, [en-name N/A], "Investigation of Various parameters on Ethylene polymerization by THT Catalysis Using A L27 Taguchi Experimental Design ", , November 2004
- 139 Mohammad Reza Haddadi, Vahid Haddadi Asl, Mehdi Rafizadeh, "Use of Bifunctional Initiators in Free Radical Polymerization : Modelling and Evaluation of Model ", , November 2004
- 140 Faeshad Mohafezatkar, Vahid Haddadi Asl, Hossein Nazokdast, "Processing Effects on Electrical Conductivity and Mechanical Properties of Particulate Composite ", The 4th Asian-Australian Conference on Composite Materials (ACCM-4), July 2004
- 141 Farshad Mohafezatkar Kanafi, Vahid Haddadi Asl, Hossein Nazokdast, "Processing Effects on Electrical Conductivity and Mechanical Properties of particulate Composite ", , July 2004
- 142 Morteza Azman Fashami, Vahid Haddadi Asl, [en-name N/A], [en-name N/A], "Abinitio study of structures & conformational properties of three to seven Memberd lactam ", , February 2004
- 143 Farshad Mohafezatkar Kanafi, Vahid Haddadi Asl, Hossein Nazokdast, "Conductive polymer composite with low percolation threshold ", , May 2003
- 144 [en-name N/A], Vahid Haddadi Asl, Alireza Esmaeili Sanjod, "Graft copolymerization of hydroxyethyl methacrylate onto PVC using cobalt II redox system ", , May 2003
- 145 Vahid Haddadi Asl, "Effect of carbon black on the conductivity of carbon Polymer composites ", , March 2000
- 146 Vahid Haddadi Asl, [en-name N/A], "Graft copolymerisation of Acrylamid onto Natural rubber ", , March 2000
- 147 Vahid Haddadi Asl, M.Yeganeh Ghotbi, "Graft copolymerisation of Acrylic Acid onto SBR Rubber ", , March 2000
- 148 Ali Sharif, Mehdi Rafizadeh, Seyyed Mohammad Reza Paran, Vahid Haddadi Asl, "Mathematical modeling of free radical solution polymerization of MMA in batch reactor ", , March 2000
- 149 Vahid Haddadi Asl, Mohammad Vahid Hori, "effect of thermal treatment on electrochemical performance of graphite felt/carbon - polymer composite electrodes ", , January 1998
- 150 Vahid Haddadi Asl, "electrochemical activity and stability study of graphite felt/carbon - polymer composite electrodes ", , January 1998
- 151 Vahid Haddadi Asl, "electrochemical performance of polymer composite electrodes ", , January 1998
- 152 Vahid Haddadi Asl, "Electrical and Electrochemical Performances of Polymer Composite Electrodes ", , January 1997
- 153 Vahid Haddadi Asl, "Evaluation of Conductive polymer Composites for use as Dimensionally Stable Anodes (I) ", , January 1997
- 154 Vahid Haddadi Asl, M. Skyllas-Kazacos, "Evaluation of Electrochemical performance of Graphite Felt/Carbon _ Polymer Composite Electrodes ", , September 1996
- 155 Vahid Haddadi Asl, M. Skyllas-Kazacos, "Conducting Polyolefin Composites ", , February 1996
- 156 Vahid Haddadi Asl, M. Skyllas-Kazacos, "Carbon _ polymer composite electrodes ", , January 1996
- 157 Vahid Haddadi Asl, M. Skyllas-Kazacos, "Conducting plastic electrodes for vanadium redox battery ", , January 1995

- 158 Vahid Haddadi Asl, R.P. Burford, J.L. Garnett, "Effect of Additives on Radiation Graft Modification of N_Vinyl_2_Pyrrolidone onto Ethylene _ Propylene Rubber " , , January 1994
- 159 Vahid Haddadi Asl, R.P. Burford, J.L. Garnett, "Effect of Additives on physical and Mechanical properties of Radiation Grafted Ethylene _ Propylene Rubber " , , January 1994
- 160 Vahid Haddadi Asl, M. Kazacos, M. Skyllas-Kazacos, "Fabrication and Evaluation of Conductive Carbon _ Polymer Composite Electrodes " , , January 1994
- 161 R.P. Burford, J.L. Garnett, Vahid Haddadi Asl, "Radiation Grafting of Ethylene _ Propylene Elastomer with Hydrophilic Monomers " , , January 1993
- 162 [en-name N/A], Vahid Haddadi Asl, Mehdi Rafizadeh, "Effect of partition coefficients on the polymerization of hydrophilic monomers by precipitation polymerization method " , ,

Taught Courses

#	Course title	Description	Headlines	Date
1	Polymerization of Polymer Nano-Systems	Application of nanotechnology in polymer industries and in-situ polymerization of nonoparticles and nanocomposites		Spring 2022
2	Polymerization Reaction Engineering	An Introduction to Polymerization Reaction Medium and Effect on Molecular Architecture using Molecular Engineering and Modeling to Produce Polymeric Products with Desirable Properties		Spring 2022
3	Polymerization Engineering	An Introduction to Polymerization Reaction Engineering and Molecular Architecture using Molecular Engineering and Modeling to Produce Polymeric Products with Desirable Properties		Spring 2022
4	Advanced Engineering of Polymerization Processes	An Introduction to Polymerization Reaction Medium and Effect on Molecular Architecture using Molecular Engineering and Modeling to Produce Polymeric Products with Desirable Properties		Fall 2021
5	Polymerization Engineering	An Introduction to Polymerization Reaction Engineering and Molecular Architecture using Molecular Engineering and Modeling to Produce Polymeric Products with Desirable Properties		Fall 2021
6	Polymer Engineering Reactions	An Introduction to Polymerization Reaction Reactors & Processes and Effect on Molecular Architecture using Molecular Engineering and Modeling to Produce Polymeric Products with Desirable Properties		Fall 2021
7	Polymerization Engineering	An Introduction to Polymerization Reaction Engineering and Molecular Architecture using Molecular Engineering and Modeling to Produce Polymeric Products with Desirable Properties		Spring 2021
8	Polymerization Reaction Engineering	An Introduction to Polymerization Reaction Medium and Effect on Molecular Architecture using Molecular Engineering and Modeling to Produce Polymeric Products with Desirable Properties		Spring 2021
9	Polymerization of Polymer Nano-Systems	Application of nanotechnology in polymer industries and in-situ polymerization of nonoparticles and nanocomposites		Spring 2021

Inventions/Patents

#	Invention title	Reg. number	Country	contributors	Reg. date	Exp. date
1	Polyacrylonitrile nanocomposite with flame retardancy property containing phosphorus-modified graphene quantum dots	98173			2018/07/1	2038/01/19
2	Synthesis of crystalline iron phosphate nanosheets and its application in preparation of polyacrylonitrile nanocomposite with flame retardant properties	98154			2018/07/1	2038/01/19
3	synthesis of polyolfin /clay nano composite by using inside polyizaon meltmining hybniel procedure	386121168			2008/03/1	2028/03/1
4	synthesis and production of special vinyl Ester Resin	38512611			2007/03/1	2027/03/1
5	Designing and manufacturing a closed cycle gas Device for solid state polg merigation of pet	38705968			2006/08/1	2026/08/1