



Amirkabir University of Technology
(Tehran Polytechnic)



Mr. MANOUCHEHR NIKAZAR

Professor
Department of Chemical Engineering
(Emeritus)



Email:
nikazar@aut.ac.ir

Phone:

h-index (Scopus):
20

Citations (Scopus):
1152

Research Interests

#	Title	Start date
1	Test	

Supervised MSc Theses

#	Thesis title	By	Date
1	Removal of nitrate in under groundwater by hybrid processes of electro coagulation process and the use of zeolite as an adsorbent	Nona Mirzamohammadi & Manouchehr Nikazar	September 2018
2	nano particles for drug delivery applications	Ziba Fardmanesh & Manouchehr Nikazar	April 2018
3	The application of nanogel in drug delivery with multifunction	Maedeh Zahiri Bashman & Manouchehr Nikazar	April 2018
4	Experimental investigation on the effect of surface material on pool boiling heat transfer in binary solution of water and Glycol and analysis the data by genetic algorithm	Pedram Kouhzadi & Manouchehr Nikazar	February 2018
5	Evaluation of oil sludge solidification/stabilization process in cement structure	Ali Dovali & Manouchehr Nikazar	October 2017

6	Establishment of Process Safety Management (PSM) in Oil and Gas Industries	Maryam Sadat Fatemi & Manouchehr Nikazar	February 2017
7	study on the effect of different parameters on the efficiency of multioxidant production by salt electro dialysis using polymeric membrane	Mohanna Mohammadi & Manouchehr Nikazar	February 2017
8	magnetic modification of nano photocatalys	Aram Firoozpoor & Manouchehr Nikazar	February 2017
9	Introduce a methode for industrial wastes rating system with HSE approach (Case Study : 3 Industrial sector	Amirali Pourahmadi & Manouchehr Nikazar	February 2017
10	study effect different parameters quality hypochlorite produced from salt electro dialysis using membrane comparing product electro dialysis u.b membrane monmembrane system	Shabnam Anguraj Ghafari & Manouchehr Nikazar	February 2017
11	evaluation of vapor-liquid two phase flow using lattice boltzmann method	Yosef Oladhosainy & Manouchehr Nikazar	October 2016
12	Study of new method of wastewater treatment	Rosa Izadi & Manouchehr Nikazar	September 2016
13	The elimination of an organic pollutant in Aqueous solutions by magnetic doped nano-particles TiO ₂	Maryam Molla Ahmad & Manouchehr Nikazar	February 2016
14	synthesis magnetic nanoparticle TiO ₂ for removal of dinitrotoloeene	Somayeh Sepahvand & Manouchehr Nikazar	February 2016
15	Inspection the effect of some packing in seperation of water and acetaldehyde in tower 302 of PET-2 plant in shahid tongdouyan petrochemical company.	Mahmoud Jafari & Manouchehr Nikazar	October 2015
16	Synthesis of nano - dasobent from carbon nano structures to capture of hydrocarbon vapors in the automotive industry	Azam Jalali & Manouchehr Nikazar	October 2015
17	Modeling of outlet pollutions emission from flame one of the operation units oil and gas in national Iranian South Oil company by CALPUFF software	Ata Ollah Fattah & Manouchehr Nikazar	June 2015
18	Determine the optimal conditions for the production of biodiesel form canola oil using CaO catalyst nanoparticles Reinforced Fe ₃ O ₄	Milad Mohammadpour & Manouchehr Nikazar	June 2015
19	investigation of factors affecting the stability of flare flame in effect of separation and obtaining a solution to prevent it	Mohsen Asadi Gholleh Zou & Manouchehr Nikazar	February 2015
20	Synthesis and size control WS ₂ nanoparticles using revers micelle method	Aref Fozooni Kangarshahi & Manouchehr Nikazar	February 2015
21	produced water management with respect to improve oil recovery	Mojtaba Abtahi Forooshani & Manouchehr Nikazar	October 2014
22	Using enhanced magnetic TiO ₂ nano powders for removal of organic pollutants from water	Faezeh Absalandogaheh & Manouchehr Nikazar	October 2014
23	investigation of heat transfer in the chlorination ethylene reactor	Mohamad Javad Kaboli & Manouchehr Nikazar	June 2014
24	Study and investigation on the heat transfer of gas transmission lines	Nasser Hosseini & Manouchehr Nikazar	February 2014
25	nano iron particle synthesis and use this in decontamination of aqueous solution	Mani Ziari & Manouchehr Nikazar	December 2013

26	Synthesis and characterization of ZnO based nanocatalyst for degrading organic contaminants	Samaneh Alavi & Manouchehr Nikazar	October 2013
27	remove heavy metals (As,...)from aqueous solution by magnetic oxide(Fe ₃ O ₄	Najmeh Mirrezaei & Manouchehr Nikazar	October 2013
28	synthesis of modified magnetic iron oxide nanoparticles for adsorption of heavy metal from aqueous solution	Fatemeh Oveisi & Manouchehr Nikazar	October 2013
29	Photocatalytic degradation of azo dye in water with nano particles	Fereshte Damavandi & Manouchehr Nikazar	February 2013
30	Modification of Carbon Nanotube by ionic groups for Ion Exchanger Membrane	Mahsa Sadat Asgari & Manouchehr Nikazar	October 2012
31	Photocatalytic degradation of furfural in water with TiO ₂ -Fe ₂ O ₃ nano particles	Rasoul Talebi & Manouchehr Nikazar	September 2012
32	Photovatalytic degradation of MTBE in water with Fe ₂ O ₃ -TiO ₂	Mojtaba Safari & Manouchehr Nikazar	July 2012
33	Synthesis of mesoporous TiO ₂ with patato starch	Hamidreza Seddighi Kolokhi & Manouchehr Nikazar	July 2012
34	Characterization and Separation of Oil-in-water Emulsion with Demulsifier	Kolsoom Azizi & Manouchehr Nikazar	October 2011
35	Investigating of Fenton Process Efficiency for Organic Load Reduction of Landfill Leachate Using nosized Zero Valent Iron Particles	Saeid Shafieiyoun & Manouchehr Nikazar	February 2011
36	Study on kinetics of simultaneous production of propylene and isobutylene using catalyst DP803	Mansoure Rashidi & Manouchehr Nikazar	February 2011
37	Optimization of Propane and Isobutane Dehydrogenation Process with DP803 Catalyst	Zahra Mohamadghasemi & Manouchehr Nikazar	February 2011
38	Remonving heavy metal (Co and Mn) from industrial wastewater chemical electrocoagulation	Maryam Rezaee & Manouchehr Nikazar	October 2010
39	Studing and formulation of asphaltene percipitation inhibitors	Omid Gohari & Manouchehr Nikazar	January 2010
40	Determination of Transport properties of Fluids through carbon Nanotubes using Molecular Dynamics and Monte Carlo	Kamran Keynejad & Manouchehr Nikazar	October 2009
41	Modelling of fluid molecular transport through carbon nanotubes (CNTs) embedded in membranes to increase the separation rate	Ali Seifitokaldani & Manouchehr Nikazar	January 2009
42	modeling of aphaltene precipitation using experimental data	Babak Shirani & Manouchehr Nikazar	December 2008
43	Analysis and Modeling of CVD (Chemical Vapor Deposition) Technique for Catalyst Preparation	Hamed Nasri Lari & Manouchehr Nikazar	October 2008
44	BIOLOGICAL REMOVAL OF PHENOLIC COMPOUNDS FROM PETRCHEMICAL WASTEWATER BY USING SBR	Faezeh Soleymani & Manouchehr Nikazar	July 2008
45	BIODEGRADATION OF METHYL TERT-BYTYL ETHER (MTBE) IN WASTEWATER	Mehdi Abdoli & Manouchehr Nikazar	May 2008
46	BIOLOGICAL REMOVAL OF HEAVY METALS FROM WASTE WATER	Parisa Namiranian & Manouchehr Nikazar	February 2008

47 Biological removal of heavy metals from industrial wastewaters	Leila Davarpanah & Manouchehr Nikazar	February 2008
---	---------------------------------------	---------------

Books

#	Title	Author(s)	Publisher country	publication date	version
Portal Records					
1	Heat transfer - selected solved exercises	Manouchehr Nikazar	Iran (Islamic Republic of)	September 2014	1
2	Mass Transfer	Manouchehr Nikazar, Mastaneh Rezasoltani, Sohrab Nikazar	Iran (Islamic Republic of)	October 2013	1
3	Oil and Gas, Origin - Refining	Manouchehr Nikazar, Kamran Keynejad	Iran (Islamic Republic of)	July 2012	1
4	Photocatalytic Reaction Engineering	Manouchehr Nikazar, Mastaneh Rezasoltani, Kamran Keynejad	Iran (Islamic Republic of)	January 2012	1
5	Two Phase flow, Boiling and Condensation	Manouchehr Nikazar, Mehrdad Mozaffarian, Reza Aminzadeh, Amir Bahmanyar, Kamran Keynejad	Iran (Islamic Republic of)	February 2016	1

Journal Papers

Portal Records	
1	Sajad Alizadeh, Narges Fallah, Manouchehr Nikazar, "Photocatalytic degradation of dimethyl sulphoxide by CdS/TiO ₂ core/shell catalyst: A novel measurement method", CANADIAN JOURNAL OF CHEMICAL ENGINEERING, February 2020 Vol. 98, Num. 2, Page 491-502, February 2020,
2	Sajad Alizadeh, Narges Fallah, Manouchehr Nikazar, "Synthesis and characterization of direct Z-scheme CdS/TiO ₂ nanocatalyst and evaluate its photodegradation efficiency in wastewater treatment systems", CHEMICAL PAPERS, July 2019 Vol. 74, Num. 1, Page 133-143, July 2019,
3	Reza Aminzadeh, Manouchehr Nikazar, Bahram Dabir, "Determining the occurrence time of different stages of asphaltene aggregation using molecular dynamics simulations", PETROLEUM SCIENCE AND TECHNOLOGY, June 2019 Vol. 37, Num. 20, Page 2101-2107, June 2019,
4	, Narges Fallah, Manouchehr Nikazar, Reyaz Kharat, "A novel test method for evaluate asphaltene inhibitor efficiency on damage permeability", PETROLEUM SCIENCE AND TECHNOLOGY, June 2019 Vol. 37, Num. 20, Page 2146-2149, June 2019,
5	Amir Bahmanyar, Gholamreza Pazouki, Manouchehr Nikazar, "Online Monitoring and Mass Transfer Modelling of the Growth of Ni ²⁺ Nanoparticles in a Reverse Micelle System", CANADIAN JOURNAL OF CHEMICAL ENGINEERING, May 2019 Vol. 97, Num. 51, Page 1440-1450, May 2019,
6	Reza Aminzadeh, Manouchehr Nikazar, Bahram Dabir, "The effect of nonylphenol on asphaltene aggregation: A molecular dynamics approach", PETROLEUM SCIENCE AND TECHNOLOGY, May 2019 Vol. 37, Num. 16, Page 1883-1890, May 2019,
7	, Narges Fallah, Manouchehr Nikazar, Reyaz Kharat, "A novel test method for evaluate asphaltene inhibitor efficiency on reservoir rock", PETROLEUM SCIENCE AND TECHNOLOGY, March 2019 Vol. 37, Num. 11, Page 1238-1242, March 2019,

- 8 Sajad Alizadeh, Narges Fallah, Manouchehr Nikazar, "An ultrasonic method for the synthesis, control and optimization of CdS/TiO₂ core-shell nanocomposites", RSC Advances, January 2019 Vol. 9, Num. 1, Page 4314-4324, January 2019,
- 9 Kamran Keynejad, Manouchehr Nikazar, Bahram Dabir, "-", PETROLEUM SCIENCE AND TECHNOLOGY, February 2018 Vol. 0, Num. 0, Page 1-8, February 2018,
- 10 Amirali Pourahmadi, Taghi Ebadi, Manouchehr Nikazar, "Industrial Wastes Risk Ranking with TOPSIS, Multi Criteria Decision Making Method", Civil Engineering Journal-TEHRAN-OPEN, July 2017 Vol. 3, Num. 6, Page 372-381, July 2017,
- 11 Faezeh Absalandogaheh, Manouchehr Nikazar, "Application of Response Surface Methodology for Optimization of Water Treatment by Fe₃O₄/SiO₂/TiO₂ Core-Shell Nano-Photocatalyst", CHEMICAL ENGINEERING COMMUNICATIONS, August 2016 Vol. 203, Num. 11, Page 1523-1531, August 2016,
- 12 Amirali Pourahmadi, Taghi Ebadi, Manouchehr Nikazar, "Development a Conceptual Framework for Industrial and Hazardous Wastes Rating Systems", Civil Engineering Journal-OPEN, April 2016 Vol. 2, Num. 4, Page 140-149, April 2016,
- 13 Mohammad Ali Karambeigi, Manouchehr Nikazar, Riyaz Kharrat, "A novel approach for asphaltene inhibitor modeling", PETROLEUM SCIENCE AND TECHNOLOGY, March 2016 Vol. 34, Num. 3, Page 274-279, March 2016,
- 14 Mohammad Ali Karambeigi, Manouchehr Nikazar, Riyaz Kharrat, "Experimental evaluation of asphaltene inhibitors selection for standard and reservoir conditions", JOURNAL OF PETROLEUM SCIENCE AND ENGINEERING, January 2016 Vol. 317, Num. 0, Page 74-86, January 2016,
- 15 Kolsoom Azizi, Manouchehr Nikazar, "Emulsification and analyzing of oil in water emulsion by implementation of image processing method", PARTICULATE SCIENCE AND TECHNOLOGY, October 2015 Vol. 34, Num. 6, Page 639-644, October 2015,
- 16 Mansoure Rashidi, Manouchehr Nikazar, Mohammad Rahmani, Zahra Mohamadghasemi, "Kinetic modeling of simultaneous dehydrogenation of propane and isobutane on Pt-Sn-K/Al₂O₃ catalyst", CHEMICAL ENGINEERING RESEARCH & DESIGN, February 2015 Vol. 95, Num. 0, Page 239-247, February 2015,
- 17 Mohammad Behnood, Bahram Nasernejad, Manouchehr Nikazar, "Biodegradation of crude oil from saline waste water using white rot fungus *Phanerochaete chrysosporium*", JOURNAL OF INDUSTRIAL AND ENGINEERING CHEMISTRY, July 2014 Vol. 20, Num. 1, Page 1879-1885, July 2014,
- 18 Mohammad Behnood, Bahram Nasernejad, Manouchehr Nikazar, "Application of experimental design in optimization of crude oil adsorption from saline waste water using raw bagasse", Journal of Central south university, July 2014 Vol. 21, Num. 1, Page 684-693, July 2014,
- 19 Ghasem Bahlakeh, Manouchehr Nikazar, Mohammad Javad Hafezi, Mohammad Mahdi Hasani Sadrabadi, "Investigation of the effects of methanol presence on characteristics of sulfonated aromatic electrolyte membranes: Molecular dynamics simulations", JOURNAL OF POWER SOURCES, June 2013 Vol. 243, Num. 0, Page 935-945, June 2013,
- 20 Mahsa Sadat Asgari, Manouchehr Nikazar, Payam Molla Abbasi, Mohamad Mehdi Hasani Sadrabadi, "nafion/histidine functionalized carbon nanotube: High performance fuel cell membrane", INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, March 2013 Vol. 38, Num. 0, Page 5894-5902, March 2013,
- 21 Ghasem Bahlakeh, Manouchehr Nikazar, Mohammad Mahdi Hasani Sadrabadi, "Understanding structure and transport characteristics in hydrated sulfonated poly(ether ether ketone)-sulfonated poly(ether sulfone) blend membranes using molecular dynamics simulations", JOURNAL OF MEMBRANE SCIENCE, February 2013 Vol. 429, Num. 0, Page 384-395, February 2013,
- 22 Mojtaba Safari, Manouchehr Nikazar, Mitra Dadvar, "Photocatalytic degradation of methyl tert-butyl ether (MTBE) by Fe-TiO₂ nanoparticles", JOURNAL OF INDUSTRIAL AND ENGINEERING CHEMISTRY, February 2013 Vol. 19, Num. 0, Page 1697-1702, February 2013,
- 23 Babak Shirani, Manouchehr Nikazar, Seyyed Ali Mousavi Dehghani, "Prediction of asphaltene phase behavior in live oil with CPA equation of state", FUEL, July 2012 Vol. 97, Num. 0, Page 89-96, July 2012,

- 24 Ghasem Bahlakeh, Manouchehr Nikazar, Mohammad Javad Hafezi, Erfan Dashtimoghadam, Mohammad Mahdi Hasani Sadrabadi, "Molecular dynamics simulation study of proton diffusion in polymer electrolyte membranes based on sulfonated poly (ether ether ketone)", INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, June 2012 Vol. 37, Num. 13, Page 10256-10264, June 2012,
- 25 Ghasem Bahlakeh, Manouchehr Nikazar, "Molecular dynamics simulation analysis of hydration effects on microstructure and transport dynamics in sulfonated poly(2,6-dimethyl-1,4-phenylene oxide) fuel cell membranes", INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, June 2012 Vol. 37, Num. 17, Page 12714-12724, June 2012,
- 26 Saeid Shafieiyoun, Taghi Ebadi, Manouchehr Nikazar, "Treatment of landfill leachate by Fenton process with nano sized zero valent iron particles", INTERNATIONAL JOURNAL OF ENVIRONMENTAL RESEARCH, February 2012 Vol. 6, Num. 1, Page 119-128, February 2012,
- 27 Ashraf Shafaei, Maryam Rezaee, Manouchehr Nikazar, "Evaluation of Mn⁺ and Co²⁺ removal by electrocoagulation: A case study", CHEMICAL ENGINEERING AND PROCESSING, October 2011 Vol. 50, Num. 0, Page 1115-1121, October 2011,
- 28 Elmira Pajootan, Mokhtar Arami, S.Hajir Bahrami, Niaz Mohammad Mahmoodi, Manouchehr Nikazar, "Textile dye removal by electrocoagulation from Single and binary systems", , September 2011 Vol. 5, Num. 5, Page 207-216, September 2011,
- 29 Babak Shirani, Manouchehr Nikazar, Ali Naseri, Seyyed A Mousavi Dehghani, "Modeling of asphaltene precipitation utilizing association equation of state", FUEL, July 2011 Vol. 93, Num. 0, Page 59-66, July 2011,
- 30 Faranak Khojasteh, Naser Ebadati, Manouchehr Nikazar, Zohreh Milani Tabrizi, Nazanin Behzad, "Eliminating Undesirable Compounds in Lubricant Oil by Clay", International Journal of Economic and Environmental Geology, June 2011 Vol. 1, Num. 1, Page 46-47, June 2011,
- 31 Ashraf Shafaei, Elmira Pajootan, Manouchehr Nikazar, Mokhtar Arami, "Removal of Co (II) from aqueous solution by electrocoagulation process using aluminum electrodes", DESALINATION, June 2011 Vol. 279, Num. 0, Page 121-126, June 2011,
- 32 Ali Naseri, Manouchehr Nikazar, S. A. M. Dehghani, Bahram Dabir, Omid Gohari, "The Role of Inhibitors' Molecular Structure on Asphaltene Deposition in Reservoir Conditions", PETROLEUM SCIENCE AND TECHNOLOGY, March 2011 Vol. 29, Num. 0, Page 988-999, March 2011,
- 33 Ashraf Shafaei, Maryam Rezaee, Mokhtar Arami, Manouchehr Nikazar, "Removal of Mn²⁺ ions from synthetic wastewater by electrocoagulation process", Desalination, September 2010 Vol. 260, Num. 0, Page 0-0, September 2010,
- 34 Ashraf Shafaei, Manouchehr Nikazar, Mokhtar Arami, "Photocatalytic degradation of terephthalic acid using titania and zinc oxide photocatalysts: Comparative study", Desalination, March 2010 Vol. 252, Num. 0, Page 0-0, March 2010,
- 35 Manouchehr Nikazar, Hamide Alijani, Amirhossein Haghghati, "The Removal of Mercury from Aqueous Solution by Wheat Husk", , June 2009 Vol. 11, Num. 2, Page 111-117, June 2009,
- 36 Mahdi Fathizadeh, Manouchehr Nikazar, "Adsorption of Aromatic From Alkane /Aromatic Mixtures by NaY Zeolite", , April 2009 Vol. , Num. 4, Page 0-0, April 2009,
- 37 Mohammad Reza Alavi Moghaddam, Avid Banihashemi Jahromi, Reza Maknoon, Manouchehr Nikazar, "Application of PACl in turbidity removal from drinking water of Tehran, case study: Jalaleih WTP", , January 2009 Vol. 3, Num. 2, Page 0-0, January 2009,
- 38 Avid Banihashemi Jahromi, Mohammad Reza Alavi Moghaddam, Reza Maknoon, Manouchehr Nikazar, "Laboratory study on turbidity removal of water using Aluminum Inorganic polymer", , July 2008 Vol. 0, Num. 66, Page 0-0, July 2008,
- 39 Sima Askari, Rouein Halladj, Manouchehr Nikazar, "Study and Kinetic Modeling of Direct Sulfation of Iranian Limestones by Sulfur Dioxide at High CO₂ Partial Pressure", , June 2008 Vol. , Num. 3, Page 0-0, June 2008,
- 40 Manouchehr Nikazar, "Reuse of Refinery Treated Wastewater in Cooling Towers", , April 2008 Vol. , Num. 4, Page 0-0, April 2008,

- 41 Avid Banihashemi Jahromi, Mohammad Reza Alavi Moghaddam, Reza Maknoon, Manouchehr Nikazar, "Development of A Coagulation /Flocculation Predictive Model for Turbidity Removal From Tehran Water Treatment Plants", , February 2008 Vol. , Num. 1, Page 0-0, February 2008,
- 42 Manouchehr Nikazar, [en-name N/A], [en-name N/A], "Photocatalytic degradation of azo dye Acid Red 114 in water with TiO₂ supported on clinoptilolite as a catalyst", , January 2008 Vol. , Num. 219, Page 0-0, January 2008,
- 43 Manouchehr Nikazar, [en-name N/A], [en-name N/A], "Enhancement of Photocatalytic Efficiency of TiO₂ by Supporting on Clinoptilolite in The Decolorization of Azo Dye Direct Yellow 12 Aqueous Solutions", , March 2007 Vol. , Num. 54, Page 0-0, March 2007,
- 44 Manouchehr Nikazar, [en-name N/A], [en-name N/A], "Using TiO₂ Supported on Clinoptilolite as a Catalyst for Photocatalytic Degradation of Azo Dye Disperse Yellow 23 in Water", , February 2007 Vol. , Num. 2, Page 0-0, February 2007,
- 45 Manouchehr Nikazar, Narjesossadat Nourbakhsh, "Removal of Heavy Metal (Cd , Pb ,Cr)From Aqueous Solutions by The Use of Activated Agricultural Waste (Rice Hull,Wheat Husk, Straw)", , December 2006 Vol. , Num. 63, Page 0-0, December 2006,
- 46 Rouein Halladj, Manouchehr Nikazar, Bahram Dabir, "Thermogravimetric Study and Modeling of Direct Sulfation of Iranian Limestones by Sulfur Dioxide", , September 2006 Vol. , Num. 63, Page 0-0, September 2006,
- 47 Arash Nasser, Manouchehr Nikazar, "Correlations Approach for the Prediction of the PVT Properties of Reservoir Oils", , May 2006 Vol. , Num. , Page 0-0, May 2006,
- 48 Manouchehr Nikazar, Babak Safari, Babak Bonakdarpour, [en-name N/A], "Improving The Biodegradability and Mechanical Strength of Corn Starch -LDPE Blends Through Formulation Modification", , November 2005 Vol. , Num. 14, Page 0-0, November 2005,
- 49 Manouchehr Nikazar, [en-name N/A], "Removal of Heavy Metals (Pb(II), Cd(II), Cr(VI)) From Aqueous Solutions by Agricultural Solid Waste (Straw and Wheat Husk) Adsorption", , August 2005 Vol. , Num. 0, Page 0-0, August 2005,
- 50 Mohammad Bagher Bagher Pour, Manouchehr Nikazar, Ulrika Welander, Babak Bonakdarpour, [en-name N/A], "Effects of Irrigation and Water Content of Packings on Alpha-Pinene Vapours Biofiltration Performance", , July 2005 Vol. , Num. 24, Page 0-0, July 2005,
- 51 Manouchehr Nikazar, Hassan Sharifi, [en-name N/A], "Study of Chromium Sorption From Aqueous Solution on Sawdust", , June 2005 Vol. , Num. 2, Page 0-0, June 2005,
- 52 Ali Naseri, Manouchehr Nikazar, [en-name N/A], "A Correlation Approach for Prediction of Crude Oil Viscosities", , June 2005 Vol. , Num. 47, Page 0-0, June 2005,
- 53 Majid Ghiass, Bahram Dabir, Manouchehr Nikazar, Rey Alejandro, "Monte Carlo Simulation of Chemical Gelation Using a Percolation Kinetic Gelation Model", , April 2005 Vol. , Num. 14, Page 0-0, April 2005,
- 54 Rouein Halladj, Manouchehr Nikazar, Bahram Dabir, "Thermogravimetric study and modeling of direct sulfation of limestone by sulfur dioxide", , June 2004 Vol. , Num. 4, Page 0-0, June 2004,
- 55 Rouein Halladj, Manouchehr Nikazar, Bahram Dabir, "Analysis and modeling of direct sulfation of iranian limestones by SO₂ at high CO₂ partial pressure", , December 2003 Vol. , Num. , Page 0-0, December 2003,
- 56 Mohammad Bagher Bagher Pour, [en-name N/A], Manouchehr Nikazar, Babak Bonakdarpour, "Removal of hydro phobia and hydro philic volatile organic compound from air", , October 2003 Vol. , Num. , Page 0-0, October 2003,
- 57 Manouchehr Nikazar, Mohamad Malekimogadam, Khashayar Badiie, "Mathematical modeling of pollution dispersion by a point source-eulerian methode", , January 2003 Vol. , Num. 60, Page 0-0, January 2003,
- 58 Manouchehr Nikazar, Rouein Halladj, Mohammad Rahmani, Bahram Dabir, "Direct sulfation of limestone by sulfur dioxide", , February 2002 Vol. , Num. 2, Page 0-0, February 2002,
- 59 Manouchehr Nikazar, Majid Ghiass, Bahram Dabir, "Montcarlo simulation model II", , December 2001 Vol. , Num. , Page 0-0, December 2001,

- 60 Majid Ghiass, Bahram Dabir, Manouchehr Nikazar, "Monte carlo simulation of non-linear free radical polymerization using a percolation kinetic gelation model (II) : free radical copolymerization", , December 2001 Vol. , Num. , Page 0-0, December 2001,
- 61 Manouchehr Nikazar, Majid Ghiass, Bahram Dabir, "Montcarlo simulation model I", , October 2001 Vol. , Num. , Page 0-0, October 2001,
- 62 Majid Ghiass, Bahram Dabir, Manouchehr Nikazar, Rey Alejandro, Hamid Mirzadeh, "Monte carlo simulation of non-linear free radical polymerization using a percolation kinetic gelation model (I): free radical homopolymerization", , October 2001 Vol. , Num. , Page 0-0, October 2001,
- 63 Manouchehr Nikazar, Mohammad Bagher Bagher Pour, Bahram Dabir, "The use of fractal for prediction of burning rate of composite solid propellants", , February 2001 Vol. , Num. 4, Page 0-0, February 2001,
- 64 Manouchehr Nikazar, Mohammad Bagher Bagher Pour, Bahram Dabir, "The use of fractal geometry for burning", , January 2000 Vol. , Num. , Page 0-0, January 2000,
- 65 Manouchehr Nikazar, [en-name N/A], Morteza Sohrabi, Bahram Dabir, "Effects of heating rate and particle size on the products yields from rapid pyrolysis of beech wood", , January 1996 Vol. , Num. , Page 0-0, January 1996,
- 66 Manouchehr Nikazar, [en-name N/A], Morteza Sohrabi, Bahram Dabir, "Mineral matter effects in rapid pyrolysis of beech wood", , January 1995 Vol. , Num. 51, Page 0-0, January 1995,
- 67 Manouchehr Nikazar, Morteza Sohrabi, Bahram Dabir, [en-name N/A], "Thermogravimetric study of the pyrolysis of beech wood and weight loss kinetics", , January 1995 Vol. , Num. , Page 0-0, January 1995,

Conference Papers

Portal Records

- 1 Somayeh Sepahvand, Manouchehr Nikazar, Taghi Ebadi, "Synthesis of magnetite – silica – titania nanocomposites ", The 1st international conference on science and basic research, February 2016
- 2 Amirali Pourahmadi, Taghi Ebadi, Manouchehr Nikazar, "reviews of different methods of industrial, hazardous and chemical waste rating systems ", 2nd international conference on sustainable developments, strategies and challenges with a focus on agriculture, natural resources, environment and tourism, February 2016
- 3 Somayeh Sepahvand, Manouchehr Nikazar, Taghi Ebadi, "Synthesis of cobalt Ferrite – silica – titania nanocomposites ", 2nd international conference on research in engineering, science and technology, February 2016
- 4 Aref Fozooni Kangarshahi, Manouchehr Nikazar, Hamidreza Gholami Arjenaki, "Synthesis and Size Control of WS2 Nanoparticles Using Reverse Micelle Method ", Asian Nano Forum Conference, March 2015
- 5 Reza Dadolahi, Manouchehr Nikazar, "Study of mass transfer and the effective parameters in hollow fiber membrane contactor for phenol removal industrial wastewater using mathematical modeling and numerical simulation ", 2nd international conference on Oil, Gas and Petrochemical, December 2014
- 6 Faezeh Absalandoagaheh, Taghi Ebadi, Manouchehr Nikazar, "Evaluation Methods of Electronic waste management ", the 1th conference and exhibition on environment energy & clean industry, December 2013
- 7 Najmeh Mirrezaei, Mani Ziari, Manouchehr Nikazar, Mehrdad Hassanzadeh Heykalabad, "evaluation of synthesis and performance of divers Iron nanoparticles on heavy metals removal from aqueous solution ", the first national conference of new technology in chemical and chemical engineering, May 2013
- 8 Ghasem Bahlakeh, Manouchehr Nikazar, Ashor Mohamad Paya, "Characterization of morphological and Transport Behavior of Solvated Sulfonated poly(2,6-dimethyl-1,4-phenylene oxide) fuel cell membrane from molecular simulation ", 2nd Conference on Emerging Trends in Energy Conservation, March 2013
- 9 Ghasem Bahlakeh, Manouchehr Nikazar, Ashor Mohamad Paya, Mahdi Tohidian, Ahmad Lashgar, "Theoretical Study of Hydrogen Bonding in Blend Membranes Based on Sulfonated poly (ether ether ketone)-Sulfonated poly (ether sulfone) ", 6th Iranian Fuel cell Seminar, March 2013

- 10 Ghasem Bahlakeh, Manouchehr Nikazar, Ahmad Lashgar, Hajar Falahati, Seed Amadodin Shakeri, Mahdi Tohidian, "Modeling Local Structure and Dynamics of Aromatic Sulfonated poly(2,6-Dimethyl-1,4-Phenylene Oxide) Fuel Cell Membranes ", 6th Iranian Fuel cell Seminar, March 2013
- 11 Fatemeh Oveisi, Manouchehr Nikazar, Mohammad Hosein Razaghi, "evaluation of synthesis and modification of magnetic nanoparticle of ironoxide for adsorption of heavy metals from aqueous solution ", 1st national congress on protection and management of environment, February 2013
- 12 Mohammad Behnood, Bahram Nasernejad, Manouchehr Nikazar, "evaluation of growth and synthesis ligninolytic Enzymes via phanerochaete chrysosporium fungi in Aqueous solution containing salt ", 14th national Iranian congress on chemical engineering, October 2012
- 13 Mojtaba Safari, Mohammad Hossein Rostami, Mohammad Yousef Roghani, Manouchehr Nikazar, "photocatalytic degradation by Fe-doping TiO₂ Nanoparticles of the municipal landfill leachate treatment ", 14th national congress of chemical engineering, October 2012
- 14 Mohammad Behnood, Bahram Nasernejad, Manouchehr Nikazar, Reza Behnood, "Evaluation of Effective Local Parameters on Absorption of Crude oil from aqueous Media Containing salt via Crude Oil ", 14th Iran national congress on chemical engineering, October 2012
- 15 Manouchehr Nikazar, Sohail Jalalifarhahi, Mastaneh Rezasoltani, "Photocatalytic Degradation of Ethylene Dichloride in Water Using TiO₂ Supported on Clinoptilolite as a Photocatalyst ", Advances in Materials Physics and Chemistry 2012 world congress on engineering and technology, October 2012
- 16 Sepideh Rashidi, Manouchehr Nikazar, Seyed Ali Vaziri Yazdi, Reza Fazaeli, "Determination of optimized condition by Taguchi method and investigation of effective parameters on photocatalytic degradation of reactive blue 2 contaminate in water using Titania nanopowder ", International workshop and conference on desalination of brackish, sea water and wastewater treatment, June 2012
- 17 Sepideh Rashidi, Manouchehr Nikazar, Seyed Ali Vaziri, Reza Fazaeli, "Investigation of effective parameters on photocatalytic degradation of textile colored contaminants, reactive blue 2 in water with Titania nano powder ", National Conference on Water Flow and Pollution, May 2012
- 18 Fereshte Damavandi, Manouchehr Nikazar, "Experimental Study of pH Effect on the Properties and Photocatalytic Activity of Cerium Doped Titanium Oxide Nanoparticles ", 1st International Conference on Nanostructure and Nanomaterials Science and Application, February 2012
- 19 Sohail Jalalifarhahi, Manouchehr Nikazar, Kamran Keynejad, "EDC Potocatalytic degradation in aqueous solution using Nano TiO₂ immobilized on clinoptilolite ", the 5th Natinal Conference and Exhibitaion on Environmental Engineering, December 2011
- 20 Kolsoom Azizi, Manouchehr Nikazar, "characterization and demulsification of crude oil in water emulsion ", The 7th International Chemical Engineering Congress & Exhibition (IChEC 2011), November 2011
- 21 Saeid Shafieiyoun, Taghi Ebadi, Manouchehr Nikazar, "Organic load removal of landfill leachate by fenton process using Nano Sized Zero Valent Iron particles ", (2nd International Conference on Environmental Science and Technology (ICEST 2011, February 2011
- 22 Saeed Zibaei, Manouchehr Nikazar, Mojde Najarzade, Mansour Johari Rang, "COD Removal from wastewater of PVC unit (BIPC) using Advanced Oxidation Method (AO) ", 2nd national Conference of modern research in chemical engineering, December 2010
- 23 Sadighe Ghazvini, Mohammad Reza Omidkhan Nasrin, Manouchehr Nikazar, "The Effects of Anionic Poly Acryl Amide Injection on The Asphaltene precipitation in SiC Porous Media ", 2nd national Conference of modern research in chemical engineering., December 2010
- 24 Ghasem Bahlakeh, Mohammad Mahdi Hasani Sadrabadi, Erfan Dashtimoghadam, Manouchehr Nikazar, Mohammad Javad Hafezi, Fardin Padash, "Molecular Dynamics Simulation of Ion Conduction in Sulfonated Poly (ether ether ketone) Membrane ", 4th Iranian Fuel Cell Seminar, November 2010
- 25 Manouchehr Nikazar, Sahel Toufani, M.H. Riazi, "the effect of surfactant and nano particle on asphaltene precipitation ", second international surfactant and detergent technology conference, June 2010
- 26 Ashraf Shafaei, Maryam Rezaee, Manouchehr Nikazar, Mokhtar Arami, "Removal of Mn²⁺ ions from synthetic wastewater by electrocoagulation process ", International Conferences on Water & Wastewater Treatment, April 2010

- 27 Manouchehr Nikazar, Torkaman Dehnavi, Kiarostami, Simin Eydivand, Mansour Johari Rang, "Evaluation of Sequencing Batch Reactors Performance in Removal of NMP from Aqueous Solution ", 1st International Conference on Advance in Wastewater Treatment and Reuse, November 2009
- 28 Manouchehr Nikazar, Farzaneh Vahabzadeh, "Biosorption of lead II and cadmium II from aqueous solutions by pre treated nonliving alga padima pavonia " , , October 2009
- 29 Mahdi Fathizadeh, Manouchehr Nikazar, "Improving in synthesis of Na Y Zeolite and characterization " , , October 2008
- 30 Mahdi Fathizadeh, Manouchehr Nikazar, "Influence of Si Al ratio in adsorption of aromatic from aromatic alkanes mixture by BETA Zeolite " , , October 2008
- 31 Mahdi Fathizadeh, Manouchehr Nikazar, "Alkenes and aromatics competitive adsorption on Zeolite " , , October 2008
- 32 Manouchehr Nikazar, Parisa Namiranian, Farzaneh Vahabzadeh, "Removal of cd II loofa immobilized phanerochaete chrysosporium from aqueous solution kinetic model " , , August 2008
- 33 Manouchehr Nikazar, Parisa Namiranian, Farzaneh Vahabzadeh, "Removal of cd II loofa immobilized phanerochaete chrysosporium from aqueous solution kinetic model " , , August 2008
- 34 Manouchehr Nikazar, Parisa Namiranian, Farzaneh Vahabzadeh, "Removal of cd II loofa immobilized phanerochaete chrysosporium from aqueous solution " , , August 2008
- 35 Leila Davarpanah Fakh, Farzaneh Vahabzadeh, Manouchehr Nikazar, "Kinetic modelling of hexavalent chromium biosorption from aqueous solutions by phanerochaete chrysosporium biomass " , , August 2008
- 36 Leila Davarpanah Fakh, Farzaneh Vahabzadeh, Manouchehr Nikazar, "Kinetic modelling of hexavalent chromium biosorption from aqueous solutions by phanerochaete chrysosporium biomass " , , August 2008
- 37 Mehdi Abdoli, Manouchehr Nikazar, Bahram Nasernejad, "Biological treatment of waste water MTBE " , international HSE and fuel conference, May 2008
- 38 Parya Broomandi, [en-name N/A], Manouchehr Nikazar, Babak Bonakdarpour, "Continuous screening, an efficient method for the isolation of oil degrading bacteria from oily sludge " , , January 2008
- 39 Leila Davarpanah Fakh, Manouchehr Nikazar, Farzaneh Vahabzadeh, "Biosorption of copper (II) and chromium (VI) from aqueous solutions by Fungal biomass " , , January 2008
- 40 Manouchehr Nikazar, Parisa Namiranian, Farzaneh Vahabzadeh, "A comparison of biosorptive capacity of loofa- sponge and immobilized Phanerochaete chrysosporium in biosorption of Pb (II) and Cd (II) from aqueous solution " , , January 2008
- 41 Manouchehr Nikazar, [en-name N/A], [en-name N/A], "Mercury removal from aqueous solution by sorption using agricultural waste " , , June 2007
- 42 Avid Banihashemi Jahromi, Mohammad Reza Alavi Moghaddam, Reza Maknoon, Manouchehr Nikazar, "Polyaluminum chloride (PACl): an emerging promising alternative coagulant for Tehran water treatment plants. " , , September 2006
- 43 [en-name N/A], Manouchehr Nikazar, [en-name N/A], "Biotreatment of acid mine drainage by sequencing batch reactor based on removal of Fe Cu Mn " , , August 2006
- 44 Avid Banihashemi Jahromi, Mohammad Reza Alavi Moghaddam, Reza Maknoon, Manouchehr Nikazar, "Development of a predictive model for coagulation/flocculation process for turbidity removal of Tehran water treatment plants " , , 17th international congress of chemical and process engineering, August 2006
- 45 Manouchehr Nikazar, [en-name N/A], [en-name N/A], "Photocatalytic degradation of textile dye acid red 18 in water with TiO2 supported on clinoptilolite as a catalyst under UV irradiation " , , June 2006
- 46 Manouchehr Nikazar, [en-name N/A], [en-name N/A], "Photocatalytic degradation of azo dye acid red 114 in water with TiO2/c clinoptilolite as a catalyst " , , June 2006
- 47 Manouchehr Nikazar, "Study of chromium sorption from aqueous solution on sawdust " , , March 2006

- 48 Manouchehr Nikazar, "Application of Poly-Aluminium Chloride in Removal of Turbidity from Tehran's Drinking Water ", , November 2005
- 49 Manouchehr Nikazar, [en-name N/A], "Photocatalytic degradation of azo dye acid red 114 with TiO₂/ HZSM-5 as a catalyst ", , November 2005
- 50 Manouchehr Nikazar, "Photocatalytic Degradation of AZO RED 114 Dye Using TiO₂/HZSM-5 ", , November 2005
- 51 Manouchehr Nikazar, [en-name N/A], [en-name N/A], "Optimization and Kinetic Study of Photocatalytic Degardation of AZO Dye disperse yellow 23 in water with TiO₂ suppered on hzsm-5 zeolite as a catalyst ", , November 2005
- 52 Manouchehr Nikazar, [en-name N/A], [en-name N/A], "Optimization and Kinetic Study of Photocatalytic Degardation of AZO Dye Acid Red 114 in Water with TiO₂/HZSM-5 Zeolite as a Catalyst ", , November 2005
- 53 Manouchehr Nikazar, "improving the Biodegradability and Mechanical Strength of Corn Starch-LDPE Blends Through Formulation ", , November 2005
- 54 Manouchehr Nikazar, "Production of Activated Carbon Using the Agricultural Wastes for Removal of Heavy Metals from Aqueous Solutions ", , October 2005
- 55 Manouchehr Nikazar, "improving the biodegradability and mechanical strength of cornstarch LDPE blends through for mulation modification ", , September 2005
- 56 [en-name N/A], Manouchehr Nikazar, Nahid Hemmati Nejad, "The Role of Starch Acetate in Textile Industry – Effect of Substitution Degree and Precondition ", , August 2005
- 57 Manouchehr Nikazar, "The Rheological Study of Acetylated Starches – The Effect of Substitution Degree ", , March 2005
- 58 Manouchehr Nikazar, "The Removal of Cd²⁺ from Aqueous Solutions by Saw Dust Adsorption ", , March 2005
- 59 Manouchehr Nikazar, "The General Algorithm for Modeling of Plate Type Heat Exchangers with Different Arrangement ", , March 2005
- 60 Manouchehr Nikazar, "The Comparison with the PVT's Correlations to Prediction of Hydrocarbon Fluids of IRANIAN Reservoirs ", , March 2005
- 61 Manouchehr Nikazar, "Modification of Bread Quality by Using Starch ", , March 2005
- 62 Manouchehr Nikazar, [en-name N/A], "Kinetic of Photodecolorization of Dispers Yellow 23 Using TiO₂/HZSM-5 Zeolite as a Catalyst under UV irradiation ", , March 2005
- 63 Manouchehr Nikazar, Rouein Halladj, Bahram Dabir, "Study of SO₂ absorpition by limestion in a bench seale fixed bed reoutor ", , December 2004
- 64 Manouchehr Nikazar, "Photocatalytic Degradation of Disperse Yellow 23 in Aqueous Dispersion of Air/TiO₂ ", , December 2004
- 65 Manouchehr Nikazar, "The Removal of Cd²⁺ from Aqueous Solutions by Straw Adsorption ", , November 2004
- 66 Manouchehr Nikazar, "Biodegradability of Polyethylene by Using Starch ", , November 2004
- 67 Manouchehr Nikazar, "Laboratory Synthesis of a Polyethylene Adhesive for Lining of SS Tubes ", , August 2004
- 68 Manouchehr Nikazar, "The Removal of Cd²⁺ from Aqueous Solutions by Wheat Husk Adsorption ", , August 2004
- 69 Manouchehr Nikazar, "Hydrophobic and Hydrophilic Volatile Organic Compounds from Contaminated Air Streams ", , August 2004
- 70 Manouchehr Nikazar, "Effects of Water Content of Packings on the Removal Efficiency and Performance of Biofilters Treating _Hydrophobic Compounds with Emphasis on Alpha Pinene ", , August 2004
- 71 Manouchehr Nikazar, "Calibration of PDMS Solid – Phase Microextraction Fibers (SPME), Used in Concentration Detection of BioreactorsChromatographic Analyze ", , June 2004

- 72 Manouchehr Nikazar, Seyyed Jalil Pourmohammadian, Bahram Dabir, "Mathematical modeling of fluidized bed dryer with the internal heating tubes " , , April 2003
- 73 Manouchehr Nikazar, "Removal of Hydrophobic and Hydrophilic Volatile Organic Compounds From Contaminated Air Streams by " , , April 2003
- 74 Manouchehr Nikazar, Mohamad Mohamadian, Bahram Dabir, "Mathematical Modeling of Fluidized Bed Dryer " , , April 2003
- 75 Manouchehr Nikazar, Rouein Halladj, Bahram Dabir, "Thermogravimetric study of sulfation of Limestone by SO₂ " , , April 2002
- 76 Manouchehr Nikazar, Bahram Dabir, "Thermogravimetric study of direct sulfation of limestone " , , May 2001
- 77 Manouchehr Nikazar, Mohammad Rahmani, Bahram Dabir, Rouein Halladj, "Sulfur Dioxide Removal from Flue Gases by Direct sulfation of Limestone " , , May 2001
- 78 Manouchehr Nikazar, Rouein Halladj, Bahram Dabir, "Thermogravimetric study of Direct sulfation of Limestone by SO₂ " , , May 2001
- 79 Manouchehr Nikazar, Mohammad Bagher Bagher Pour, Bahram Dabir, "the Use of fractal geometry for prediction of burning rate of composite solid propellants " , , September 2000
- 80 Manouchehr Nikazar, Bahram Dabir, Rouein Halladj, "Removal of SO₂ From Flue gases " , , March 1999
- 81 Manouchehr Nikazar, "sulfur dioxide removal from flue gases by direct sulfation of limestone " , , January 1999
- 82 Manouchehr Nikazar, Mohammad Prvazi Zadeh, Faramarz Hormozy, "A comparative Investigation On The Heat Release Estimation for Temperature Control " , , October 1998
- 83 Bahram Dabir, Khashayar Badiie, [en-name N/A], Manouchehr Nikazar, "Mathematical modeling of ozone reactions and dispersions from combustion products in atmosphere " , , December 1997
- 84 Manouchehr Nikazar, Pirooz Mirfakhrai, Bahram Dabir, "Modelling of the rapid pyrolysis of wood " , , March 1997
- 85 Manouchehr Nikazar, "Mineral Matter Effects in Rapid Pyrolysis of Beech Wood " , , November 1995
- 86 Manouchehr Nikazar, "Experimental Studies on the Rapid Pyrolysis of Melamine Formaldehyde Wastes and Kinetic Modeling of Weight Loss, Condensable Products and Total Gas Formation Based on Independent Multi – First Order Reaction Model " , , September 1995
- 87 Manouchehr Nikazar, Morteza Sohrabi, Bahram Dabir, [en-name N/A], "Effect of temperature on the products yield in rapid pyrolysis of mixed used tires and kinetic modelling of weight loss, condensable products and total gas formation based on independent multi first order reaction model. " , , January 1995
- 88 Manouchehr Nikazar, Morteza Sohrabi, Bahram Dabir, [en-name N/A], "effect of physical and chemical parameters on the tar yield during rapid pyrolysis of wood " , , January 1995
- 89 Manouchehr Nikazar, Morteza Sohrabi, Bahram Dabir, [en-name N/A], "Flash pyrolysis of used tires " , , March 1994
- 90 Manouchehr Nikazar, Morteza Sohrabi, Bahram Dabir, Mohammad Reza Hag Ali, "effect of heating rate and particle size on the product yields from rapid pyrolysis of beech wood " , , January 1994
- 91 Manouchehr Nikazar, "Experimental and Theoretical Studies of Fluid Flow and Asphaltene Formation in a Porous Media " , , January 1993
- 92 Manouchehr Nikazar, "Modeling of the Rapid Pyrolysis of Wood " , , December 1987