



## Mohammad reza Mozdianfard

Associate Professor

College: Faculty of Engineering

Department: Chemical Engineering

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### Education

Degree	Graduated in	Major	University
BSc	1990	Chemical Engineering	University of Birmingham
MSc	1991	Integrated Management Systems, Manufacturing and Mechanical Engineering	University of Birmingham
Ph.D	2002	Manufacturing and Mechanical Engineering	University of Birmingham

### Work Experience

Head of Chemical Engineering Department (2007-2010)

Director of International scientific cooperation office (2014-2016)

### Subjects Taught

Industrial Management

Technical Language

Safety in Chemical Process Engineering

Environmental Engineering

Heat Transfer

Water and Wastewater Treatment

### Workshops

National Conference on Water Crisis in Kashan Plain, 2011, University of Kashan

International Scientific-Industrial Conference on Chemical Engineering, 2008, University of Kashan

## Journal Membership

Energy Management, University of Kashan (2008-2010)

### Papers in Conferences

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1. مینو نائبه, Effects of adding Graphene on the morphology and crystallinity of electrospun Poly(vinylidene fluoride) nanofibers ,Proceedings of 5th International Congress on Nanoscience & Nanotechnology (ICNN2014) ,1 - 22 10 2014, تهران .
2. F. Masoodiyeh, J. Karimi ,& Sabet, M. R. Mozdianfard ,Particle properties of zirconia prepared by supercritical water hydrothermal synthesis using population balance equation ,The 10th International Chemical Engineering Congress & Exhibition ,Isfahan ,2018.
3. F. Masoodiyeh, M. R. Mozdianfard, J. Karimi ,& Sabet ,Preparation of bismuth oxide nanoparticles using supercritical water hydrothermal synthesis ,The 10th International Chemical Engineering Congress & Exhibition ,Isfahan ,2018.
4. F. Masoodiyeh, M. R. Mozdianfard, J. Karimi ,& Sabet ,Modeling bismuth oxide nanoparticles prepared by SWHS using population balance equation ,The 10th International Chemical Engineering Congress & Exhibition ,Isfahan ,2018.
5. F. Masoodiyeh, M.R. Mozdianfard, J. Karimi Sabet ,Impact of concentration on nucleation rate and particle size distribution of zirconia prepared by SWHS ,Proceedings of the 7th International Conference on Nanostructures ,Tehran ,2018.
6. F. Masoodiyeh, J. Karimi Sabet, M.R. Mozdianfard ,Particle size distribution of zirconia prepared by SWHS using population balance equation with/without aggregation term ,Proceedings of the 7th International Conference on Nanostructures ,Tehran ,2018.
7. S. Moludi, M.R. Mozdianfard, J. Karimi ,& Sabet, F. Masoodiyeh ,Effect of operating conditions on critical nucleus radius of zirconia nanoparticles produced by supercritical water hydrothermal synthesis ,Proceedings of the 7th International Conference on Nanostructures ,Tehran ,2018.
8. H.R. Taammoli, F. Masoodiyeh, M.R. Mozdianfard ,Reverse osmosis concentrate management technologies for desalination plants ,The 8th National Conference and Exhibition on Environmental Engineering ,Tehran ,2016.
9. K. Rezaei, V. Aziznezhad, M.R. Mozdianfard ,Risk analysis of seawater desalination unit at the 5th refinery of South Pars Gas Company using HAZOP procedures ,2nd International conference on engineering and applied sciences ,Istanbul ,2016.
10. K. Rezaei, V. Aziznezhad, M.R. Mozdianfard ,Risk analysis of steam generation at the 5th refinery of south Pars Gas Company using HAZOP procedures ,The first International conference on engineering and applied sciences ,Dubai ,2016.
11. S. A. Razavi, Torabi, M. Shirazi, Y, Bahrami, M.R. Mozdianfard ,Improving safety of chemical powder systems using master-batch in polymer and petrochemical industries ,The first International conference on master batch and polymeric compound ,Shiraz ,2016.
12. M. Omrani, M.R. Mozdianfard, S.A. Razavi ,Investigation of carbon black nanoparticles healthy challenges at working environment ,3th International conference on new research achievements in chemistry and chemical engineering ,Tehran ,2016.
13. H.R. Taammoli, F. Masoodiyeh, M.R. Mozdianfard ,Two stages reverse osmosis for zero and near zero liquid discharge of desalination plants ,The 8th National Conference and Exhibition on Environmental Engineering ,Tehran ,2016.
14. M.R. Mozdianfard, E. Behranvand ,Fouling at middle-section heat exchangers of CDUs' preheat trains (post desalter and preflash drum exchangers) ,The 8th national heat exchanger conference ,Tehran ,2016.
15. H.R. Taammoli, F. Masoodiyeh, M.R. Mozdianfard ,Cost-effective desalination plants using nanofiltration process , , Iran water and wastewater science and engineering congress ,Tehran ,2016.

16. S. Mosleh, M. Hemmati, Gh. Khanbabaei, M. R. Mozdianfard ,Gas Transport Properties of Pebax®/Matrimid 5218 Blend Membranes ,The 15th Iranian National Congress of Chemical Engineering ,Tehran ,2015.
17. E. Ilyati, M. R. Mozdianfard ,Porphyry copper exploration using ETM Landsat data (Case study: Baft city of Kerman) ,The 4th international conference of emerging trends in energy conservation ,Tehran ,2015.
18. K. Rezaei, A. Chenani, M.R. Mozdianfard, F. Masoodiyeh, Gh. Beighzadeh ,Process hazard assessment of sludge removing unit at Gas refinery using HAZOP technique ,The 4th national conference on process, refining and petrochemical engineering ,Tehran ,2015.
19. V. Aziznezhad, K. Rezaei, A. Chenani, M.R. Mozdianfard, H. Shariatimehr ,Process hazard assessment of utility water supply unit at the 5th refinery of South Pars Gas Complex using HAZOP technique ,The 4th national conference on process, refining and petrochemical engineering ,Tehran ,2015.
20. S. Mosleh, Gh. Khanbabaei, M. R. Mozdianfard, M. Hemmati ,Investigation of Pebax®/ZIF-8 mixed matrix membrane preparation method on final morphology ,The 2nd national conference on membranes and membranes processes ,Tehran ,2015.
21. V. Aziznezhad, K. Rezaei, A. Chenani, M.R. Mozdianfard, H. Shariatimehr ,Process hazard assessment and analysis of cold water supply unit at the 5th refinery of South Pars Gas Complex using HAZOP technique ,Second national and international conference on oil, Gas, refining and petrochemical industries ,Ahvaz ,2015.
22. M.R. Mozdianfard, H.R. Taammoli, F. Masoodiyeh ,Sustainable development in mining and minerals industry ,The 2nd National conference of planning, protecting and conserving environment and stable development ,Tehran ,2015.
23. H. Ebrahimi, Sh. Daneshpazhooh, M.M. Afsahi, M.R. Mozdianfard ,A study of roasting process mechanism for copper sulphate concentrate (Chalcopyrite) ,The international conference in new research of chemistry and chemical engineering ,Tehran ,2015.
24. S. Mosleh, Gh. Khanbabaei, M. R. Mozdianfard, M. Hemmati ,Effect of Fe-BTC incorporation in Pebax®matrix on membrane performances in pure gas separation ,The 2nd national conference on membranes and membranes processes ,Tehran ,2015.
25. M. Baqeri, M. R. Mozdianfard, M. M. Abolhasani, M. Naebe ,Investigating effects of processing condition on morphology and crystallinity of Poly(vinylidene fluoride) electrospun nanofibers ,Proceedings of 5th International Congress on Nanoscience & Nanotechnology ,Tehran ,2014.
26. K. Rezaei, M.R. Mozdianfard, S. Moradian, M. Yaghoobi, N. Bayat ,Application of HAZOP study technique on hazard analysis of dewatering unit at Gas refinery ,The third national conference on oil, gas and petrochemicals ,Gachsaran ,2014.
27. S. Mosleh, M. R. Mozdianfard, M. Hemmati, G. Khanbabaei ,Pebax®/PES blend membranes for CO<sub>2</sub> separation ,2nd International conference of oil, gas and petrochemical ,Tehran ,2014.
28. M. Mozdianfard, F. Masoodiyeh, H. R. Taammoli ,Geological disposal of radioactive wastes; opportunity or threat? ,The 7th National Conference and Exhibition on Environmental Engineering ,Tehran ,2014.
29. M. Baqeri, M. R. Mozdianfard, M. Naebe, M. M. Abolhasani ,Effects of flow rate on electroactive □ polymorph formation in electrospun PVDF/Graphene nanofibers ,11th International seminar on polymer science and technology ,Tehran ,2014.
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31. M. Baqeri, M. R. Mozdianfard, M. M. Abolhasani, M. Naebe ,Effects of adding Graphene on the morphology and crystallinity of electrospun Poly(vinylidene fluoride) nanofibers ,Proceedings of 5th International Congress on Nanoscience & Nanotechnology ,Tehran ,2014.
32. S. Mosleh, M. R. Mozdianfard, M. Hemmati, G. Khanbabai ,Zeolitic Imidazolate Framework-8 (ZIF-8)

Preparation: Effect of Synthesized Method and Temperature on Particle Size of ZIF-8 Nanoparticle ,2nd International Conference on Nanotechnology ,Istanbul ,2014.

33. M. Bakhshi Majdar, M. Hayati Ashtiani, M.R. Mozdianfard ,Physiochemical Characterization of Bentonite Clays for Oil Well Drilling Fluids ,1st International Conference on Engineering Sciences ,Karbala ,2014.
34. F. S. Motahari, M. R. Mozdianfard, M. Salavati ,NiO nanostructures as photocatalyst for removal of colour from wastewater ,The first National Congress on Industrial Catalyses ,Shiraz ,2013.
35. F. Masoodiyeh, M.R. Mozdianfard, J. Karimisabet ,Solubility Estimation of Aqueous Species for Zirconium Oxide Nanoparticles ,International Congress on Nanoscience & Nanotechnology ,Kashan ,2012.
36. M.R. Mozdianfard, F. Masoodiyeh ,Inherently safer design techniques during preliminary design stage: Index-based approaches ,The 4th National Congress on Safety Engineering and HSE Management ,Tehran ,2012.
37. Bahmanyar, M.R. Mozdianfard, F. Heidari, N. Khoobi, H. Bahmanyar ,Possibility of Petrochemical Waste Water Treatment Using a Liquid-Liquid Extraction RDC Contactor ,14th Iranian National Chemical Engineering Congress ,Tehran ,2012.
38. F. Meshkani, M.R. Mozdianfard, M.V. Maghrebi ,Nanotechnology; Positive and Negative Environmental Impact ,International Congress on Nanoscience & Nanotechnology ,Kashan ,2012.
39. H.R. Malekinezhad, H. Bakhshandeh Amnieh, M.R. Mozdianfard ,Application of image processing to determine fragment size distribution produced from blasting at Gotvand Olya dam rock-fill mines ,1st Iranian Mining Technologies Conference (IMT2012) ,Yazd ,2012.
40. M.R. Mozdianfard, F. Masoodiyeh ,Fouling of Membrane Bioreactor in Wastewater Treatment ,6th National Conference and Exhibition on Environmental Engineering ,Tehran ,2012.
41. M.R. Mozdianfard, M.E. Zakerifard ,Investigating electro-membranes processes for water treatment-applications and advantages ,5th National Conference and Exhibition on Environmental Engineering ,Tehran ,2011.
42. M.E. Zakerifard, M.R. Mozdianfard, M. Filizadeh ,Application of solar distillation units for water treatment ,5th National Conference and Exhibition on Environmental Engineering ,Tehran ,2011.
43. M.R. Mozdianfard, Z. Jali, F. Masoodiyeh ,Radionuclide waste management in synthetic rock "Synroc": a review ,The 5th National Conference and Exhibition on Environmental Engineering ,Tehran ,2011.
44. A.R. Jalali, E. Nemati Lay, M. R. Mozdianfard ,Evaluation of Equations of State to Predict Interfacial Tension in the Binary Systems ,7th International Chemical Engineering Congress & Exhibition ,Kish Island ,2011.
45. F. Shariatmadar, M. R. Mozdianfard ,Nonmaterials, new technologies in water and wastewater treatment ,Int. Conference on Water and Wastewater with Focus on Privatization and Benchmarking ,Tehran ,2011.
46. M.R. Mozdianfard, E. Behranvand ,Calculating fouling resistance coefficient in crude oil pre-heat exchangers by a spreadsheet ,3rd Int. Conference on Heat Exchangers in Oil and Energy Industries ,Tehran ,2011.
47. M.R. Mozdianfard, E. Behranvand ,A field study on fouling of preheat exchangers in the crude oil distillation units at Esfahan refinery ,3rd Int. Conference on Heat Exchangers in Oil and Energy Industries ,Tehran ,2011.
48. M.R. Mozdianfard, M. Akhbari, H. Gholami ,Comparative study of antioxidant activity of extracts from Iranian Pterocarya fraxinifolia L. leaves and stems ,17th Iranian Seminar of Analytical Chemistry ,Kashan ,2010.
49. M.R. Mozdianfard, Y. Zare ,Application of composite theories for modelling tensile modulus of PP/Nanoclay/CaCO<sub>3</sub> Hybrid nanocomposite ,The 2nd Int. Conference on Composites: Characterization, Fabrication and Application ,Kish Island ,2010.
50. M. R. Mozdianfard, Y. Zare ,PP/Nanoclay/ CaCO<sub>3</sub> Ternary Nanocomposite: A Review ,The 2nd

- International Conference. on Composites: Characterization, Fabrication and Application ,Kish Island ,2010.
51. M. Akhbari, M.R. Mozdianfard, M. Kaviyani, H. Batooli ,Comparative yield and antioxidant properties of aqueous extract of *Hypericum perforatum* L. by using different method extraction ,17th Iranian Seminar of Analytical Chemistry ,Kashan ,2010.
52. R. Alinia, M. R. Mozdianfard, M. Asghari ,Removal of microorganisms from liquids by means of carbon nanotube membranes ,2nd Conference on Separation Science Engineering (CSSE2010) ,Tehran ,2010.
53. N. Razavi, M. R. Mozdianfard, I. Akbari ,Prediction of concentration polarization using liquid phase activity coefficients ,13th Iranian national chemical engineering congress & 1th Int. Regional Chemical and Petroleum Engineering ,Kermanshah ,2010.
54. M. Khajenoori, M. R. Mozdianfard, M. Asghari ,A review on application and restrictions of membrane bioreactors in water and wastewater treatments ,Int. Conference on Water & Wastewater Treatment ,Isfahan ,2010.
55. M. R. Mozdianfard, S. Nadimi, A. Bahri, M. B. Almasi ,Investigating lead particle size distribution in breathing working area at Irankooh Mining Complex-Isfahan ,3rd Iranian Mining Engineering Conference and Exhibition ,Yazd ,2010.
56. M. Saffari, M. R. Mozdianfard, A. Saffari ,ISO 14000, Efficient control of environmental management in mines ,2nd International Conference on Health, Safety, Environment ,Tehran ,2009.
57. M. Abolhasani, A. Jalali, M. R. Mozdianfard ,A New Model for Prediction of Ternary Blends Modulus ,9th International Seminar on Polymer Science and Technology ,Tehran ,2009.
58. M. R. Mozdianfard, S. Nadimi, A. Bahri, M. B. Almasi ,Safety and harmful elements of the working environments at Bama Lead and Zinc production co. – Central Iran ,2nd Int. Conference on Health, Safety, Environment ,Tehran ,2009.
59. E. Behranvand, M. Asghari, M. R. Mozdianfard ,A new approach in classification of modelling for reverse osmosis process- A critical review ,6th Int. Conference of Chemical Engineering ,Kish Island ,2009.
60. H. Bakhshandeh Amnieh, M.R. Mozdianfard, A. Siamaki, S. Nadimi ,Health and safety at workstations of Gotvand Olya Dam, Khoozestan-Iran ,2nd International Conference on Health, Safety, Environment ,Tehran ,2009.
61. M. Abolhasani, A. Arefazar, M. R. Mozdianfard, A. Jalali ,Effect of Shell Phase Viscosity on Morphological Properties of Core-Shell Blends ,9th International Seminar on Polymer Science and Technology ,Tehran ,2009.
62. M. Abolhasani, A. Jalali, M. R. Mozdianfard ,A New Model for Prediction of Ternary Blends Modulus ,9th International Seminar on Polymer Science and Technology ,Tehran ,2009.
63. M. Naderi, M. R. Mozdianfard ,A Comparative Review on Disinfection Methods in Water Treatment ,1st International Conference on Advances in Water Treatment and Reuse ,Tehran ,2009.
64. M. Saffari, M. R. Mozdianfard, A. Saffari ,Mining managing considering environmental pollution ,2nd International Conference on Health, Safety, Environment ,Tehran ,2009.
65. M. Khajenoori, M. Asghari, M. R. Mozdianfard ,Recent desalinations of brine: A review ,1st Int. Conference on Advances in Water Treatment and Reuse ,Tehran ,2009.
66. M. Akhbari, M. R. Mozdianfard, H. Batooli, R. Shahbala, M. Roshani ,Comparative antioxidant effects of *Viola Pachyrrhiza* Extracts ,16th Iranian Conference of Organic Chemistry ,Zanjan ,2009.
67. M. R. Mozdianfard, H. Batooli, M. Akhbari, M. Roshani, R. Shahbala ,Evaluation of *Viola Pachyrrhiza* total phenolic compounds ,16th Iranian Conference of Organic Chemistry ,Zanjan ,2009.
68. M. R. Mozdianfard, E. Behranvand ,Crude oil fouling in shell and tube preheat train heat exchangers- a review ,2nd Int. Conference on Heat Exchangers in Oil and Energy Industries ,Tehran ,2009.
69. A Dehghani Kiadehi, M. R. Mozdianfard, G. Vakilinejad, R. Jabari Seresht ,Synthesis of carbon nanotubes by arc-discharge in water: a novel double wall beaker set-up ,6th Int. Conference of

Chemical Engineering ,Kish Island ,2009.

70. M. R. Mozdianfard, S. Nadimi, Z. S. Mirzaei ,An analysis of salt mining methods in Iran problems facing production units ,1st National Conference of Salt ,Semnan ,2008.
71. M. Saffari, M. R. Mozdianfard, M. Kashani ,Production of appropriate activated carbon for treating mining effluent and industrial waste ,1st National Conference on Environment, Occupation and Cancer in Iran ,Tehran ,2006.
72. M. Saffari, M. R. Mozdianfard ,Influence of mining extraction technique on environmental pollution ,1st National Conference on Environment, Occupation and Cancer in Iran ,Tehran ,2006.
73. M. Saffari, M. R. Mozdianfard ,Influence of extracting minerals on miners' ill health and their environment ,1st National Conference on Environment, Occupation and Cancer in Iran ,Tehran ,2006.
74. M. Saffari, M. R. Mozdianfard, A. Farzanegan, A. Rastiohoseiny ,Optimizing barite suitable for drilling mud by gravity separation at Dorrin Kashan factory ,1st Iranian Petroleum Engineering Conference ,Tehran ,2006.
75. M. Saffari, M. R. Mozdianfard ,Processing suitable barite for oil drilling using floatation and leaching at Dorrin Kashan factory ,1st Iranian Petroleum Engineering Conference ,Tehran69- M. Saffari, M. R. Mozdianfard ,2006.
76. M. Saffari, B. Ebrahimi, M. R. Mozdianfard ,Processing barite jigs tailings at Dorrin Kashan factory by floatation ,1st Iranian mineral processing conference ,Tehran ,2004.

## Papers in Journals

1. Carbon nitride nanoflake with enhanced visible light emission,OPT MATER,Vol. 107,pp. 110036,2020 05 18,SCOPUS ,JCR.
2. Carbon nitride nanoflake with enhanced visible light emission,OPT MATER,Vol. 107,pp. 110036,2020 05 18,JCR.
3. Population Balance Modelling of Zirconia Nanoparticles in Supercritical Water Hydrothermal Synthesis,IRAN J CHEM CHEM ENG,Vol. 38,pp. 1,2019 08 01,ISI-Listed.
4. M. Ebadi, M.R. Mozdianfard, M. Aliabadi,Employing full factorial design and response surface methodology for optimizing direct contact membrane distillation operational conditions in desalinating the rejected stream of a reverse osmosis unit at Esfahan refinery–Iran,water supply,Vol. 19,pp. 492,2019,SCOPUS.
5. Binary Roles of Schiff Bases as Capping Agent and Precursor for Synthesis of Metallic Nickel Ultrafine Nanoparticles,SYNTH REACT INORG M,Vol. 45,pp. 1449,2013 11 02,ISI-Listed.
6. Predicting peak particle velocity by artificial neural networks and multivariate regression analysis - Sarcheshmeh copper mine, Kerman, Iran,Journal of Mining and Environment,Vol. 4,pp. 125,2013 09 25,ISC.
7. Predicting peak particle velocity by artificial neural networks and multivariate regression analysis - Sarcheshmeh copper mine, Kerman, Iran,Journal of Mining and Environment,Vol. 4,pp. 125,2013 09 25,ISC.
8. Synthesis, characteristics and thermoluminescent dosimetry features of  $\gamma$ -irradiated Ce doped CaF<sub>2</sub> nanophosphor,Applied Radiation and Isotopes,Vol. 78,pp. 125,2013 04 24,SCOPUS ,PubMed ,JCR.
9. ELECTRO-THERMO-MECHANICAL RESPONSE OF THICK-WALLED PIEZOELECTRIC CYLINDER REINFORCED BY BORON-NITRIDE NANOTUBES,STRENGTH MATER+,Vol. 45,pp. 102,2013 03 11,ISI ,SCOPUS.
10. Investigation of the Solution Electrical Conductivity Effect upon the Synthesis of Carbon Nanotubes by Arc Discharge Method,Iranian (Iranica) Journal of Energy & Environment,Vol. 4,pp. 43,2013 02 04,ISC.



11. Optimal gain scheduling controller design of a pitch-controlled VS-WECS using DE optimization algorithm, APPL SOFT COMPUT, Vol. 13, pp. 2215, 2013 01 14, SCOPUS, JCR.
12. Optimal gain scheduling controller design of a pitch-controlled VS-WECS using DE optimization algorithm, APPL SOFT COMPUT, Vol. 13, pp. 2215, 2013 01 14, SCOPUS, JCR.
13. Modelling of Concentration Time in North Karoon River Basin in Iran, World Applied Sciences Journal, Vol. 17, pp. 194, 2012 11 17, SCOPUS.
14. A field study of fouling in CDU preheaters at Esfahan refinery, APPL THERM ENG, Vol. 50, pp. 908, 2012 08 14, SCOPUS, JCR.
15. Thermodynamic modeling of PVTx properties for several water/hydrocarbon systems in near-critical and supercritical conditions, KOREAN J CHEM ENG, Vol. 30, pp. 201, 2012 07 28, SCOPUS, JCR.
16. Effects of silicon nanowires length on solar cells photovoltaic properties, APPL PHYS A-MATER, Vol. 109, pp. 299, 2012 07 04, SCOPUS, JCR.
17. Study of droplet behaviour along a pulsed liquid-liquid extraction column in the presence of nanoparticles, CAN J CHEM ENG, Vol. 91, pp. 506, 2012 04 09, SCOPUS, JCR.
18. Fabrication of Homogenous Polymer-Zeolite Nanocomposites as Mixed-Matrix Membranes for Gas Separation, Chemical engineering & technology, Vol. 35, pp. 885, 2012 01 13, SCOPUS, JCR.
19. Lag Time Forecasting in a River Basin, ENVIRONMENTAL SCIENCES, Vol. 9, pp. 39, 2011 11 20, ISC.
20. Comparative study on the antioxidant activities of the different extracts and the composition of the oil extracted by n-hexane from Iranian Vitex pseudo-negundo, Natural product research, Vol. 26, pp. 2162, 2011 09 07, SCOPUS.
21. The influence of nanoparticles on hydrodynamic characteristics and mass transfer performance in a pulsed liquid-liquid extraction column, CHEM ENG PROCESS, Vol. 50, pp. 1198, 2011 08 16, SCOPUS, JCR.
22. Using Intelligence Models to Estimate Evapotranspiration, ENVIRONMENTAL SCIENCES, Vol. 8, pp. 1, 2011 02 09, SCOPUS, JCR.
23. Comparative study of composition and biological activities of SDE prepared essential oils from flowers and fruits of two Hypericum species from central Iran, Natural product research, Vol. 26, pp. 193, 2010 08 30, SCOPUS, JCR.
24. Comparative study of composition and biological activities of SDE prepared essential oils from flowers and fruits of two Hypericum species from central Iran, Natural product research, Vol. 26, pp. 193, 2010 08 30, SCOPUS, JCR.
25. Influence of the solution temperature on carbon nanotube formation by arc discharge method, Journal of Experimental Nanoscience, Vol. 6, pp. 432, 2010 07 03, SCOPUS, ISI-Listed.
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27. Predicting of blasting vibrations in Sarcheshmeh copper mine by neural network, SAFETY SCI, Vol. 48, pp. 319, 2010 10 28, SCOPUS, JCR.
28. Thermodynamic modeling of PVTx properties for several water/hydrocarbon systems in near-critical and supercritical conditions, KOREAN J CHEM ENG, Vol. 30, pp. 201, 2011 07 28, SCOPUS, JCR.

29. E. Behranvand, M.R. Mozdianfard, E. Diaz ,& Bejarano, F. Coletti, P. Orzlowski, S. Macchietto, Cross Sectional Examination of a Fouled Tube Removed from a Crude Oil Preheat Exchanger, *Industrial and Engineering Chemistry*, pp. 9651-9664, 2019.
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35. F. Masoodiyeh, M.R. Mozdianfard, J. Karimi ,& Sabet, Modeling zirconia nanoparticles prepared by supercritical water hydrothermal synthesis using population balance equation, *POWDER TECHNOLOGY*, pp. 264-274, 2017, ISI ,SCOPUS.
36. S. Mosleh, Gh. Khanbabaei, M.R. Mozdianfard, M. Hemmati, Application of poly (amide-b-ethylene oxide)/zeolitic imidazolate framework nanocomposite membrane in gas separation, *IRAN POLYM J*, pp. 977–990, 2016, SCOPUS ,ISC.
37. A. Yoosofan, M.R. Mozdianfard, Factors intensifying centralisation of information technology in Iran, *International Journal of Computer Science and Information Security*, 2016.
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41. H. Bakhshandeh Amnieh; M.S. Zamzam; M.R. Mozdianfard, Geological Hazards analysis in Urban Tunneling by EPB Machine (Case study: Tehran subway line 7 tunnel), *International Journal of Mining and Geo-Engineering*, pp. 23-36, 2016, ISC, SID.
42. F. Masoodiyeh, J. Karimi ,& Sabet, A.R. Khanchi, M.R. Mozdianfard, Zirconia nanoparticle synthesis in sub and supercritical water – particle morphology and chemical equilibria, *POWDER TECHNOLOGY*, pp. 461-469, 2015, ISI ,SCOPUS.
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