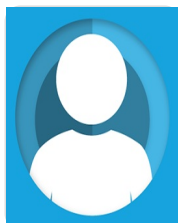




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1670

Supervised PhD Theses

#	Thesis title	By	Date
1	Synthesis of Aerographene/cobalt oxide/Zinc oxide nanocomposite and evaluation of structural and electrochemical properties	Arash Ghazitabar & Davoud Haghshenas	February 2020

Supervised MSc Theses

#	Thesis title	By	Date
1	Investigating the behavior of Zn and Mn leaching systems from spent alkaline batteries	Rasoul Sajedi Rahim Seyghalaniani & Davoud Haghshenas	March 2022
2	Nickel recovery from Ni-Cd spent batteries by Glycine Solution	Mahdi Nazaralilou & Davoud Haghshenas	March 2022
3	Leaching of zinc hot filter cake by glycine	Pegah Mohammadi & Davoud Haghshenas	September 2021
4	Leaching of zinc carbonate rock by glycine	Hamid Khodaei & Davoud Haghshenas	April 2021
5	Solvent Extraction of nickel and cadmium from solutions obtained from spent nickel-cadmium batteries leaching	Ardalan Hosseini Pour & Davoud Haghshenas	September 2020

6	Solvent Extraction of Ni, Co and Mn from acidic leaching ion waste lithium- ion batteries	Majid Mastery Farahani & Davoud Haghshenas	February 2020
7	Effect of pertinent factors on cadmium leaching from Ni-Cd spent batteries by Glycine	Muhammad Sadeghzadeh & Davoud Haghshenas	February 2020
8	Synthesis of silver nanoparticles using sodium borohydride in the presence of citrate ion	Niloofer Namazi Koochak & Davoud Haghshenas	October 2018
9	Effect of Size on the Surface Plasmon Resonance of Ag Nanoparticles	Farzad Firouzi & Davoud Haghshenas	October 2018
10	Study of effective parameters on production of strontium carbonate from celestine ore by reductive roasting, leaching and precipitation	Mojtaba Adelalipour & Davoud Haghshenas	July 2018
11	Recovery of titanium dioxide (rutile) from automotive paint sludge and feasibility of TiO ₂ pigments and nanoparticles production	Bahar Samani & Davoud Haghshenas	July 2018
12	Dissolution of lead from copper converter flue dust leach residue by aqueous solution of sodium citrate and acetic acid and precipitation	Soroosh Hakimian & Davoud Haghshenas	February 2018
13	Hydrometallurgical recovery of strontium compounds from sorkhe mine	Seyed Mohammad Saleh Ameri & Davoud Haghshenas	July 2017
14	Fabrication and characterization of electrospun PCL nano fibers for tissue engineering applications	Niloofer Qarloqi & Davoud Haghshenas	February 2017
15	The effect of citrate ion on extraction behavior of Co and Ni using D2EHPA	Afshin Aminpour & Davoud Haghshenas	July 2016
16	Effect of different species of iron on oxidation-reduction potential at aquatic environment	Yasaman Fatapour & Davoud Haghshenas	July 2016
17	Hydrometallurgical recovery of zinc from electric arc furnace dust (EAFD)	Amirhosein Qamashluee & Davoud Haghshenas	February 2016
18	Effective of Ion Citrate on selective separation Lead from waste Copper converter flue dust	Hedayat Hamdi & Davoud Haghshenas	February 2016
19	Cu-Ag Bimetallic nanoparticles synthesis synthesis by Polyol method	Yasaman Niknafs & Davoud Haghshenas	January 2016
20	The washing of organic phase to remove iron	Zeinab Sharif Abadi Esmaili & Davoud Haghshenas	January 2016
21	Synthesis of Ag-Cu one dimensional structures by Polyol method	Maral Afshar & Davoud Haghshenas	November 2015
22	Kinetics of Lead and Tin simultaneous leaching with HBF ₄	Yazdan Nosratzad & Davoud Haghshenas	January 2015
23	synthesis of ZnO nanowire/nanorod by wet chemical method	Mahshid Poornajar & Davoud Haghshenas	December 2014
24	Recovery and stabilization of Arsenic obtained from leaching of copper converter dust by chemical precipitation	Amirhosein Shahnazi & Davoud Haghshenas	October 2014
25	Hydrometallurgical recovery of Arsenic from Copper converter dust and investigation of metallic impurities dissolution	Mohammad Hosein Ensani & Davoud Haghshenas	October 2014
26	Optimizing of recovery of selenium from anodic copper sludge	Hossein Shakib Khankandi & Davoud Haghshenas	July 2014
27	Study of effective parameter on leaching of nickel and cobalt from nickel base superalloy scrap	Ali Nourian & Davoud Haghshenas	February 2014

28	Effect of additives on recovery of Ni and Co using phosphate base solvents from Ni based superalloy leaching solution	Hamed Nadimi & Davoud Haghshenas	October 2013
29	Study of the effective parameters on the synthesis of Copper Nanowires by wet chemical method	Maryam Sadat Hosseini & Davoud Haghshenas	October 2013

Books

#	Title	Author(s)	Publisher country	publication date	version
Portal Records					
1	An introduction to hydrometallurgy and electrometallurgy	Davoud Haghshenas, Eskandar Keshavarz Alamdari	Iran (Islamic Republic of)	May 2014	1
2	Introduction to Hydrometallurgy and Electrometallurgy	Davoud Haghshenas, Eskandar Keshavarz Alamdari	Iran (Islamic Republic of)	July 2016	2
3	electrochemistry for materials science	Davoud Haghshenas, Milad Rezaei	Iran (Islamic Republic of)	January 2013	1
4	Nanocrystals: Synthesis, Properties and Applications	Pirooz Marashi, Amirmostafa Amirjani, Davoud Haghshenas	Iran (Islamic Republic of)	December 2014	1

Journal Papers

Portal Records

- Amirmostafa Amirjani, Ted V. Tsoulos, Sayyed Hashem Sajjadi, Alessandra Antonucci, Shang-Jung Wu, Giulia Tagliabue, Davoud Haghshenas, Ardemis A. Boghossian, "Plasmon-induced near-infrared fluorescence enhancement of single-walled carbon nanotubes", CARBON, April 2022 Vol. 194, Num. 194, Page 162-175, April 2022,
- Mahsa Mohsenpour, Malek Naderi, Mohammad Aghabararpour, Davoud Haghshenas, "Fabrication of paper based carbon/graphene/ZnO aerogel composite decorated by polyaniline nanostructure: Investigation of electrochemical properties", CERAMICS INTERNATIONAL, November 2021 Vol. 47, Num. 21, Page 29908-29918, November 2021,
- Hamzeh F. Haghshenas, Robert Rea, Gerald Reinke, Afshar Yousefi, Davoud Haghshenas, Pooyan Ayar, "Effect of Recycling Agents on the Resistance of Asphalt Binders to Cracking and Moisture Damage", JOURNAL OF MATERIALS IN CIVIL ENGINEERING, July 2021 Vol. 33, Num. 10, Page 1-7, July 2021,
- S.M.M. Zamani, K. Behdinin, Mohammad Reza Razfar, Davoud Haghshenas, Jamshid Aghazadeh Mohandesi, "studying the effects of process parameters on the mechanical properties in friction stir welding of Al-SiC composite sheets", INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY, March 2021 Vol. 113, Num. 113, Page 3629-3641, March 2021,
- Arash Ghazitabar, Malek Naderi, Davoud Haghshenas, Delasa Alijani Ashna, "Graphene aerogel/cellulose fibers/magnetite nanoparticles (GCM) composite as an effective Au adsorbent from cyanide solution with favorable electrochemical property", JOURNAL OF MOLECULAR LIQUIDS, September 2020 Vol. 314, Num. 0, Page 113793-113804, September 2020,
- Niloofer Namazi Koochak, Erfan Rahbarimehr, Amirmostafa Amirjani, Davoud Haghshenas, "Detection of Cobalt Ion Based on Surface Plasmon Resonance of L-Cysteine Functionalized Silver Nanotriangles", PLASMONICS, September 2020 Vol. 1, Num. 1, Page 1-8, September 2020,
- Amir Hossein Shahnazi, Sadegh Firoozi, Davoud Haghshenas, "Selective leaching of arsenic from copper converter flue dust by Na₂S and its stabilization with Fe₂(SO₄)₃", TRANSACTIONS OF NONFERROUS METALS SOCIETY OF CHINA, May 2020 Vol. 30, Num. 6, Page 1674-1686, May 2020,

- 8 Hamzeh F. Haghshenas, Robert Rea, Gerald Reinke, Davoud Haghshenas, "Chemical Characterization of Recycling Agents", *JOURNAL OF MATERIALS IN CIVIL ENGINEERING*, March 2020 Vol. 32, Num. 5, Page 1-4, March 2020,
- 9 Helya Oghabi, Davoud Haghshenas, Sadegh Firoozi, "Selective separation of Cd from spent Ni-Cd battery using glycine as an ecofriendly leachant and its recovery as CdS nanoparticles", *SEPARATION AND PURIFICATION TECHNOLOGY*, March 2020 Vol. 242, Num. 242, Page 1-8, March 2020,
- 10 Amirmostafa Amirjani, Farzad Firouzi, Davoud Haghshenas, "Predicting the Size of Silver Nanoparticles from Their Optical Properties", *PLASMONICS*, January 2020 Vol. 28, Num. 28, Page 0-0, January 2020,
- 11 Hamzeh F. Haghshenas, Robert Rea, Dale Byre, Davoud Haghshenas, Gerald Reinke, Martins Zaumanis, "Asphalt Binder Laboratory Short-Term Aging: Effective Parameters and New Protocol for Testing", *JOURNAL OF MATERIALS IN CIVIL ENGINEERING*, December 2019 Vol. 32, Num. 0, Page 1-12, December 2019,
- 12 Amirmostafa Amirjani, Niloofar Namazi Koochak, Davoud Haghshenas, "Investigating the Shape and Size-Dependent Optical Properties of Silver Nanostructures Using UV-vis Spectroscopy", *JOURNAL OF CHEMICAL EDUCATION*, October 2019 Vol. 96, Num. 0, Page 2584-2589, October 2019,
- 13 Hamzeh F. Haghshenas, Robert Rea, Davoud Haghshenas, "Aging resistance of asphalt binders through the use of zinc diethyldithiocarbamate", *PETROLEUM SCIENCE AND TECHNOLOGY*, July 2019 Vol. 0, Num. 0, Page 1-8, July 2019,
- 14 Arash Ghazitabar, Malek Naderi, Davoud Haghshenas, Milad Rezaei, "Synthesis of N-doped graphene aerogel/Co₃O₄/ZnO ternary nanocomposite via mild reduction method with an emphasis on its electrochemical characteristics", *JOURNAL OF ALLOYS AND COMPOUNDS*, April 2019 Vol. 794, Num. 0, Page 625-633, April 2019,
- 15 Amirmostafa Amirjani, Niloofar Namazi Koochak, Davoud Haghshenas, "Synthesis of silver nanotriangles with tunable edge length: a promising candidate for light harvesting purposes within visible and near-infrared ranges", *Materials Research Express*, December 2018 Vol. 6, Num. 1, Page 36204-36204, December 2018,
- 16 Arash Ghazitabar, Malek Naderi, Davoud Haghshenas, "A facile chemical route for synthesis of nitrogen-doped graphene aerogel decorated by Co₃O₄ nanoparticles", *CERAMICS INTERNATIONAL*, December 2018 Vol. 44, Num. 18, Page 23162-23171, December 2018,
- 17 H. F. Haghshenas, Y.R. Kim, S. R. Kommidi, D. Nguyen, Davoud Haghshenas, M. D. Morton, "Evaluation of long-term effects of rejuvenation on reclaimed binder properties based on chemical-rheological tests and analyses", *MATERIALS AND STRUCTURES*, October 2018 Vol. 51, Num. 51, Page 134-147, October 2018,
- 18 Amirmostafa Amirjani, Davoud Haghshenas, "Modified Finke-Watzky mechanisms for the two-step nucleation and growth of silver nanoparticles", *NANOTECHNOLOGY*, October 2018 Vol. 29, Num. 29, Page 1-11, October 2018,
- 19 Milad Rezaei, Davoud Haghshenas, Mohammad Ghorbani, Abolghasem Dolati, "Electrochemical Behavior of Nanostructured Fe-Pd Alloy During Electrodeposition on Different Substrates", *Journal of Electrochemical Science and Technology*, September 2018 Vol. 9, Num. 3, Page 202-211, September 2018,
- 20 Amirmostafa Amirjani, Davoud Haghshenas, "Facile and online colorimetric detection of Hg²⁺ based on localized surface plasmon resonance (LSPR) of Ag nanotriangles", *TALANTA*, September 2018 Vol. 192, Num. 2019, Page 418-423, September 2018,
- 21 Amirmostafa Amirjani, Davoud Haghshenas, "Ag nanostructures as the surface plasmon resonance (SPR) based sensors: A mechanistic study with an emphasis on heavy metallic ions detection", *SENSORS AND ACTUATORS B-CHEMICAL*, July 2018 Vol. 273, Num. 273, Page 1768-1779, July 2018,
- 22 Afsaneh Vahedi, Hamed Nadimi, Davoud Haghshenas, Sadegh Firoozi, "The Effect of Tartrate Ion on the Separation Behavior of Zinc and Cadmium in the Sulfate Solution", June 2018 Vol. 37, Num. 3, Page 63-73, June 2018,
- 23 Hamzeh F. Haghshenas, Yong-Rak Kim, M. Asce, Martha D. Morton, Thomas Smith, Mahdiah Khedmati, Davoud Haghshenas, "Effect of Softening Additives on the Moisture Susceptibility of Recycled Bituminous Materials Using Chemical-mechanical-Imaging Methods", *JOURNAL OF MATERIALS IN CIVIL ENGINEERING*, June 2018 Vol. 30, Num. 9, Page 1-10, June 2018,
- 24 Maryam Kavousi, Anahita Sattari, Eskandar Keshavarz Alamdari, Davoud Haghshenas, "Leaching Studies for Copper and Solder Alloy Recovery from Shredded Particles of Waste Printed Circuit Boards", *METALLURGICAL AND MATERIALS TRANSACTIONS B-PROCESS METALLURGY AND MATERIALS PROCESSING SCIENCE*, March 2018 Vol. 49, Num. 3, Page 1464-1470, March 2018,

- 25 Amirmostafa Amirjani, Davoud Haghshenas, "Polyol as a Tunable Method for Synthesizing Null and One-dimensional Ag and Ag-Cu Nanostructures", , December 2017 Vol. 36, Num. 4, Page 117-126, December 2017,
- 26 Ali Farzadi, Moslem Bahmani, Davoud Haghshenas, "Optimization of Operational Parameters in Friction Stir Welding of AA7075-T6 Aluminum Alloy Using Response Surface Method", ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, September 2017 Vol. 42, Num. 11, Page 4905-4916, September 2017,
- 27 Amirmostafa Amirjani, Davoud Haghshenas, "Colorimetric detection of ammonia using smartphones based on localized surface plasmon resonance of silver nanoparticles", TALANTA, August 2017 Vol. 176, Num. 0, Page 242-246, August 2017,
- 28 Hamed Nadimi, Davoud Haghshenas, Sadegh Firoozi, "Separation of Ni and Co by D2EHPA in the Presence of Citrate Ion", METALLURGICAL AND MATERIALS TRANSACTIONS B-PROCESS METALLURGY AND MATERIALS PROCESSING SCIENCE, June 2017 Vol. 48, Num. 5, Page 2751-2758, June 2017,
- 29 Yasaman Niknafs, Amirmostafa Amirjani, Pirooz Marashi, Davoud Haghshenas, "Synthesis of Ag-Cu and Ag-Cu₂O alloy nanoparticles using a seed-mediated polyol process, thermodynamic and kinetic aspects", MATERIALS CHEMISTRY AND PHYSICS, December 2016 Vol. 189, Num. 0, Page 1-17, December 2016,
- 30 Atiyeh Nekahi, Pirooz Marashi, Davoud Haghshenas, "High yield polyol synthesis of round- and sharp-end silver nanowires with high aspect ratio", MATERIALS CHEMISTRY AND PHYSICS, October 2016 Vol. 184, Num. 10, Page 130-137, October 2016,
- 31 S.H. Khodamorad, N. Alinezhad, Davoud Haghshenas, Ghahtan, "Stress corrosion cracking in Type.316 plates of a heat exchanger", Case Studies in Engineering Failure Analysis-OPEN, April 2016 Vol. 5, Num. 6, Page 59-66, April 2016,
- 32 Hamed Nadimi, Davoud Haghshenas, Sadegh Firoozi, "Extraction of Ni and Co via D2EHPA in the Presence of Acetate Ion", IRANIAN JOURNAL OF CHEMISTRY & CHEMICAL ENGINEERING-INTERNATIONAL ENGLISH EDITION, December 2015 Vol. 34, Num. 4, Page 61-67, December 2015,
- 33 Atiyeh Nekahi, Pirooz Marashi, Davoud Haghshenas, "Modified structure of graphene oxide by investigation of structure evolution", BULLETIN OF MATERIALS SCIENCE, December 2015 Vol. 38, Num. 7, Page 1717-1722, December 2015,
- 34 Mahshid Poornajar, Pirooz Marashi, Davoud Haghshenas, Mohammadreza Kolahtouz Esfahani, "Synthesis of ZnO nanorods via chemical bath deposition method: The effects of physicochemical factors", CERAMICS INTERNATIONAL, November 2015 Vol. 42, Num. 0, Page 173-184, November 2015,
- 35 Mohammad Javad Nayyeri, Seyed Mohammad H. Mirbagheri, Davoud Haghshenas, "Compressive behavior of tailor-made metallic foams (TMFs): Numerical simulation and statistical modeling", MATERIALS & DESIGN, November 2015 Vol. 84, Num. 84, Page 223-230, November 2015,
- 36 Amirmostafa Amirjani, Pirooz Marashi, Davoud Haghshenas, "The effect of agitation state on polyol synthesis of silver nanowire", International Nano Letters, November 2015 Vol. 6, Num. 1, Page 41-44, November 2015,
- 37 Amirmostafa Amirjani, Davoud Haghshenas, Pirooz Marashi, "Interactive effect of agitation rate and oxidative etching on growth mechanisms of silver nanowires during polyol process", JOURNAL OF EXPERIMENTAL NANOSCIENCE, October 2015 Vol. 10, Num. 18, Page 1387-1400, October 2015,
- 38 Maryam Sadat Hosseini, Davoud Haghshenas, Pirooz Marashi, "Synthesis of different copper nanostructures by the use of polyol technique", APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING, August 2015 Vol. 120, Num. 8, Page 1579-1586, August 2015,
- 39 Alireza Cheraghi, Morteza Shaker Ardakani, Eskandar Keshavarz Alamdari, Davoud Haghshenas, Dariush Darvishi, Sayed Khatiboleslam Sadrnezhad, "Thermodynamics of vanadium (V) solvent extraction by mixture of D2EHPA and TBP", INTERNATIONAL JOURNAL OF MINERAL PROCESSING, March 2015 Vol. 138, Num. 10, Page 49-54, March 2015,
- 40 Mina Moradi, Jamshid Aghazadeh Mohandesi, Davoud Haghshenas, "Mechanical properties of the poly(vinyl alcohol) based nanocomposites at low content of surfactant wrapped graphene sheets", POLYMER, January 2015 Vol. 60, Num. 1, Page 207-214, January 2015,

- 41 Molood Saeedi, Eskandar Keshavarz Alamdari, Dariush Darvishi, Ata Keshavarz Alamdari, Davoud Haghshenas, Ali Bagheri Kafash, "Chlorine leaching of Au from copper anode slimes using the response surface method in an agitated reactor", *Mineral Processing and Extractive Metallurgy*, December 2014 Vol. 124, Num. 1, Page 9-15, December 2014,
- 42 Hamed Nadimi, Amirmostafa Amirjani, Davoud Haghshenas, Sadegh Firoozi, Amir Reza Azadmehr, "Effect of tartrate ion on extraction behavior of Ni and Co via D2EHPA in sulfate media", *MINERALS ENGINEERING*, July 2014 Vol. 69, Num. 69, Page 177-184, July 2014,
- 43 A. Amirjani, Pirooz Marashi, Davoud Haghshenas, "The effects of physicochemical parameters on the synthesis of silver nanowires via polyol method", *International Nano Letters*, May 2014 Vol. 4, Num. 108, Page 1-5, May 2014,
- 44 Milad Rezaei, S.Hadi Tabaian, Davoud Haghshenas, "Electrochemical nucleation and growth of Pd/PdCo core-shell nanoparticles with enhanced activity and durability as fuel cell catalyst", *JOURNAL OF MATERIALS CHEMISTRY*, April 2014 Vol. 2, Num. 13, Page 4588-4597, April 2014,
- 45 Maral Vafaie, Milad Rezaei, S.Hadi Tabaian, Farzad Mahboubi, Davoud Haghshenas, "Facile synthesis of a highly active Pd/Co bimetallic nanocatalyst on carbon fiber cloth via a two-step electrodeposition for formic acid electrooxidation", *JOURNAL OF SOLID STATE CHEMISTRY*, February 2014 Vol. 10, Num. 1, Page 1-10, February 2014,
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- 47 Atiyeh Nekahi, Pirooz Marashi, Davoud Haghshenas, "Transparent conductive thin film of ultra large reduced graphene oxide monolayers", *APPLIED SURFACE SCIENCE*, February 2014 Vol. 295, Num. 295, Page 59-65, February 2014,
- 48 Milad Rezaei, S.Hadi Tabaian, Davoud Haghshenas, "The Role of Electrodeposited Pd Catalyst Loading on the Mechanisms of Formic Acid Electro-Oxidation", *Electrocatalysis*, February 2014 Vol. 10, Num. 1, Page 1-11, February 2014,
- 49 Hamidreza Farnoush, Jamshid Aghazadeh Mohandesi, Davoud Haghshenas, "Effect of Particle Size on the Electrophoretic Deposition of Hydroxyapatite Coatings: A Kinetic Study Based on a Statistical Analysis", *INTERNATIONAL JOURNAL OF APPLIED CERAMIC TECHNOLOGY*, November 2013 Vol. 10, Num. 1, Page 87-96, November 2013,
- 50 Milad Rezaei, S.Hadi Tabaian, Davoud Haghshenas, "Electrochemical nucleation of palladium on graphene: A kinetic study with an emphasis on hydrogen co-reduction", *ELECTROCHIMICA ACTA*, October 2013 Vol. 87, Num. 1, Page 381-387, October 2013,

Conference Papers







Portal Records

- 1 Helya Oghabi, Davoud Haghshenas, Sadegh Firoozi, "Alkaline leaching of spent Ni-Cd battery using glycine ", 8th Iran International Conference & Exhibition on Materials Science & Metallurgical Engineering, October 2019
- 2 Majid Mastery Farahani, Sadegh Firoozi, Davoud Haghshenas, "Recovery of Nickel, Cobalt and Manganese elements from waste lithium-ion batteries in presence of Glycine ligand by solvent extraction ", 8th Iran International Conference & Exhibition on Materials Science & Metallurgical Engineering, October 2019
- 3 Soroor Sarvarian, Amin Jafari Ramiani, Davoud Haghshenas, "MODELING AND SIMULATION OF REACTION KINETICS OF DIRECT REDUCTION OF IRON ", Iranian Steel Symposium 97, February 2019
- 4 Arash Ghazitabar, Malek Naderi, Davoud Haghshenas, "Facile synthesis of Graphene aerogel/Co3O4 nanocomposite by mild chemical reduction method ", 7th international conference on materials engineering and metallurgy, October 2018
- 5 Amirmostafa Amirjani, Davoud Haghshenas, "Determinization of heavy metal ions in aqueous solutions based on surface plasmon resonance of silver nanoparticles ", 7th International Conference on Nanostructures (ICNS7), February 2018

- 6 Amirmostafa Amirjani, Davoud Haghshenas, "Detection of Hg²⁺ in aqueous solutions based on surface plasmon resonance of silver nanoparticles ", The 6th Biennial International Conference on Ultrafine Grained and Nanostructured Materials (UFGNSM2017), November 2017
- 7 Soroosh Hakimian, Sadegh Firoozi, Davoud Haghshenas, "Dissolution of lead from copper converter flue dust leach residue by aqueous solution of sodium citrate and precipitation ", International Conference on Materials Engineering and Metallurgy, October 2017
- 8 Shahryar Shahini, Aidin Heidari, Davoud Haghshenas, Eskandar Keshavarz Alamdari, "- ", 5th International Conference on Materials Engineering and Metallurgy, November 2016
- 9 Seyed Mohammad Saleh Ameri, S.Hadi Tabaian, Davoud Haghshenas, "Chemical Processing of Celestine; Calcium Removal from Celestine ", 5th International Conference on Materials Engineering & Metallurgy, November 2016
- 10 Aidin Heidari, Shahryar Shahini, Davoud Haghshenas, Eskandar Keshavarz Alamdari, "- ", 5th International Conference on Materials Engineering and Metallurgy, November 2016
- 11 Seyed Mohammad Saleh Ameri, Hamid Omidvar, Davoud Haghshenas, "Recovering of Cobalt, Nickel and Manganese Composition from Waste Li-Ion Batteries by Hydrometallurgy Methods ", 5th International Conference on Materials Engineering & Metallurgy, November 2016
- 12 Maral Afshar, Pirooz Marashi, Davoud Haghshenas, Amirmostafa Amirjani, "Synthesis of Ag-Cu₂O one dimensional nanostructures by Polyol method ", 3rd International Engineering Materials & metallurgy, November 2015
- 13 Amirhosein Qamashluee, Davoud Haghshenas, Sadegh Firoozi, "Manufacturing of zinc oxide from the chloride leaching solution: precipitation and calcination ", 4th International Engineering Materials & Metallurgy conference, November 2015
- 14 Yasaman Niknafs, Pirooz Marashi, Davoud Haghshenas, Amirmostafa Amirjani, "Size-controlled synthesis of silver-Copper bimetallic nanoparticles using Ammonia in Polyol process ", 4th International Engineering Materials and Metallurgy Conference, November 2015
- 15 Amirhosein Qamashluee, Davoud Haghshenas, Sadegh Firoozi, "Investigation and comparison of the leaching of zinc from electric arc furnace dust using sulfuric acid and hydrochloric acid ", 4th International Engineering Materials & Metallurgy conference, November 2015
- 16 Hedayat Hamdi, Sadegh Firoozi, Davoud Haghshenas, "Dissolution of lead from copper converter dust leach residue by citrate ion ", 4th international conference and 9th congress of Iranian Metallurgical Engineering society and Iranian foundrymens society, November 2015
- 17 Yazdan Nosratzad, Maryam Kavousi, Anahita Sattari, Eskandar Keshavarz Alamdari, Davoud Haghshenas, Dariush Darvishi, Ata Keshavarz Alamdari, Ali Bagheri Kafash, "Recovery of Valuable Metals from E-Waste, Part (I): Use of Central Composite Design for evaluation of Copper Recovery from Electronic Waste Leaching ", 24th International Mining Congress and Exhibition of Turkey, April 2015
- 18 Behdad Aghelnejad, Rabeeh Golmohammadzadeh, Eskandar Keshavarz Alamdari, Sadegh Firoozi, Davoud Haghshenas, Dariush Darvishi, Ata Keshavarz Alamdari, Ali Bagheri Kafash, "Optimization of Copper Recovery from copper converter slag, Part II, Hydrometallurgical ", 24th International Mining Congress and Exhibition of Turkey, April 2015
- 19 Behdad Aghelnejad, Rabeeh Golmohammadzadeh, Eskandar Keshavarz Alamdari, Sadegh Firoozi, Davoud Haghshenas, Dariush Darvishi, Ata Keshavarz Alamdari, Ali Bagheri Kafash, "Optimization of Copper Recovery from copper converter slag, Part I, Pyrometallurgical Aspects ", 24th International Mining Congress and Exhibition of Turkey, April 2015
- 20 Maral Afshar, Amir Mostafa Amirjani, Pirooz Marashi, Davoud Haghshenas, "The influence of physicochemical parameters on synthesized Copper nanostructures by polyol method ", The 3rd National Conference on Nanotechnology from Theory to application, February 2015
- 21 Yasaman Niknafs, Amir Mostafa Amirjani, Pirooz Marashi, Davoud Haghshenas, "Size-controlled synthesis of silver nanoparticles using Ammonia in Polyol process ", Third national nano conference(from theory to application, February 2015
- 22 Amirhosein Shahnazi, Sadegh Firoozi, Davoud Haghshenas, Mohammad Hosein Ensani, Hamidreza Nejadgholamali, "Investigation of Arsenic Precipitation Behavior from Alkaline Leaching Solution ", 3rd International engineering Materials and Metallurgy Conference and Exhibition, November 2014

- 23 Amirhosein Shahnazi, Sadegh Firoozi, Davoud Haghshenas, Mohammad Hosein Ensani, "investigation of arsenic precipitation behavior from alkaline leaching solution ", 8th congress of Engineering Materials & metallurgy, November 2014
- 24 Atiyeh Nekahi, Pirooz Marashi, Davoud Haghshenas, "Production ultra large reduced graphene oxide sheets and its transparent conductive thin film ", 5th international congress on nanoscience and nanotechnology, October 2014
- 25 Atiyeh Nekahi, Pirooz Marashi, Davoud Haghshenas, "Production ultra large reduced graphene oxide sheets and its transparent conductive thin film ", 5th International Congress on Nanoscience and Nanotechnology, October 2014
- 26 Atiyeh Nekahi, Pirooz Marashi, Davoud Haghshenas, "Growth of long silver nanowires in high yield polyol process ", 5th international congress on nanoscience and nanotechnology, October 2014
- 27 Mahshid Poornajar, Pirooz Marashi, Davoud Haghshenas, Mohammadreza Kolahtouz, "Hydrothermal Growth of ZnO nanorods with the addition of polyethyleneimine: effect of HMT/Zinc Nitrate molar ratio ", 2nd International Conference on Nanotechnology (ICN 2014), July 2014
- 28 Mahshid Poornajar, Pirooz Marashi, Mohammadreza Kolahtouz, Davoud Haghshenas, "growth of ZnO nanorods by wet chemical bath deposition method with the addition of polyethyleneimine : effect of HMTA/ Zinc Nitrate molar ratio ", 2nd international conference on nanotechnology, July 2014
- 29 Amirmostafa Amirjani, Faezeh , Pirooz Marashi, Davoud Haghshenas, "Agitation-based Shape Controlled Synthesize of Silver Nanocrystals ", 5th International Conference on Nanostructures (ICNS5), March 2014
- 30 Amirmostafa Amirjani, Pirooz Marashi, Davoud Haghshenas, "High-Yield Synthesis of Uniform Silver Nanowires with High Aspect Ratio ", 4th International Conference on Ultrafine Grained and Nano-Structured Materials, November 2013

Taught Courses

#	Course title	Description	Headlines	Date
1	Advanced Kinetics of Materials	Kinetic Modeling of Metallurgical and Materials Processes		Spring 2022
2	Kinetics of Materials	The importance of rate phenomena in process metallurgy and materials engineering; the principles of rate laws in chemical and physicochemical processes; Mechanisms and kinetic modeling		Spring 2022
3	Special Topics in Extractive Metallurgy	Introduction to Bioleaching as an application of biotech. in extractive metallurgy		Fall 2021
4	Kinetics of Materials	The importance of rate phenomena in process metallurgy and materials engineering; the principles of rate laws in chemical and physicochemical processes; Mechanisms and kinetic modeling		Fall 2021
5	Advanced Kinetics of Materials	Kinetic Modeling of Metallurgical and Materials Processes		Spring 2021
6	Kinetics of Materials	The importance of rate phenomena in process metallurgy and materials engineering; the principles of rate laws in chemical and physicochemical processes; Mechanisms and kinetic modeling		Spring 2021