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h-index (Scopus):

18

Citations (Scopus):

1198

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 & Malek Naderi	February 2020
2	Measurement of Ablation resistant of ZrB ₂ -SiC Coating on Graphite	Reza Aliasgarian & Malek Naderi	July 2018
3	Microstructural Modification of A982 Martensitic Stainless Steel By means of Thermomechanical Treatments	Reza Mohamadi Ahmadabadi & Malek Naderi	July 2018
4	Evaluation of Nanomechanical Properties of Tantalum Nitride Thin Film fabricated by Activated Magnetron Sputtering	Seyed Siavash Firouzabadi & Malek Naderi	June 2017

Supervised MSc Theses

#	Thesis title	By	Date
1	Synthesis Of Graphene / Cellulose Aerogel As a Reusable Sorbent For Oil Removal	Aylar Hoviat Doost & Malek Naderi	September 2021
2	Synthesis of Graphene/Carbon nanotube Aerogel as a reusable sorbent for oil remova	Fahimeh Gholami & Malek Naderi	September 2021

3	Electrochemical deposition of Ni-Si ₃ N ₄ /Graphene Nano-composite coatings and investigation on corrosion resistance, abrasion and its capability for electrocatalytic applications	Vahid Habibi & Malek Naderi	September 2020
4	Synthesis of aerographene nanocomposites, suitable for oil pollutants absorption	Ramin Shadkam & Malek Naderi	February 2020
5	Synthesis of Aerographene-Polyaniline Nanocomposite as the Supercapacitor Electrode	Armin Asghari Alamdari & Malek Naderi	January 2020
6	researching on electrochemical properties of aerogel nanocomposite for use as an electrode in a super capacitor	Sara Shateri & Malek Naderi	January 2020
7	Synthesis and characterization of R-GO /gold nanoparticles composite	Fatemeh Farokhifar & Malek Naderi	June 2019
8	Recovery of silver from zinc sulfide concentrates	Faramarz Kazemi Renani & Malek Naderi	February 2019
9	Recovery of titanium dioxide (rutile) from automotive paint sludge and feasibility of TiO ₂ pigments and nanoparticles production	Bahar Samani & Malek Naderi	July 2018
10	The effect of heat treatment on nanomechanical properties of carbides in 1.3255 tool steel	Abbas Paranj & Malek Naderi	January 2017
11	Modeling and investigation on microstructure and mechanical properties of FSW T-joint of pure copper	Behrouz Torabi Mohsen Abad & Malek Naderi	September 2016
12	synthesis of nano Au hollow particle from copper anode slime	Zahra Loghman Nia & Malek Naderi	July 2016
13	Effect of delta ferrite on mechanical properties of 1.4935 martensitic stainless steel (A 982)	Vahid Entezari & Malek Naderi	February 2016
14	Measurement and analysis of nano- mechanical properties of bainitic microstructure	Mehrdad Poorhashem Shemshkar & Malek Naderi	October 2015
15	The effect of thermomechanical treatment on high Mn-Cr Austenitic steels	Hedayat Mohammadsoltani & Malek Naderi	February 2015
16	Effect of Morphology and Volume Fraction of Delta-Ferrite on Thermomechanical	Masoud Ramezani Movaffagh & Malek Naderi	February 2015
17	Chemical synthesis of Au nano particles from copper anode slime	Atieh Koochakiabkenar & Malek Naderi	October 2014
18	Synthesis of Au-magnetite (core) nanoshell from anodic slime	Sohrab Mostaghim & Malek Naderi	February 2014
19	Residual stress determination in electron beam welded zirconium alloy by nanoindentation	Pooya Jalilnia & Malek Naderi	October 2013
20	Investigation of the microstructure of Electron Beam welded zirconium alloy	Reza Batooei Nanji & Malek Naderi	October 2013
21	Synthesis of Au-silica (core) nanoshell from anodic slime	Arash Ghazi Tabar & Malek Naderi	October 2013
22	Elasto-Plastic Mechanical Behavior Characterization of Zirconium Alloy by Means of Nanoindentation	Amir Hossen Mohammadi & Malek Naderi	June 2013

23	selection of the optimized welding methods of polyethylene pipes and joint in natural gas distribution lines	Raziyeh Jalalvand & Malek Naderi	May 2013
24	Strength-hardness statistical correlation in multi-phase steels	Fatemeh Alizadeh & Malek Naderi	March 2013
25	Calculation of fatigue limit from hardness test results in steels	Mahdi Salehi & Malek Naderi	February 2013
26	Synthesize and characterization of gold nanoshells	Seyedeh Narjes Abdollahi Keyvani & Malek Naderi	January 2013
27	Study of pressure vessel a 516 Grade(70) Welding zone Metallography Structure and Mechanical Properties	Mohammadian Mohammad Reza & Malek Naderi	November 2012
28	Microhardness Mapping and Hardness-yiod Stongth kalatio-ships High strength steals	Masoud Naddaf & Malek Naderi	July 2012
29	Quantitative and qualitative investigation of microstructure of steel 22MnB5 in thermomechanical conditions using dilatometry and image analysis data	Sina Salari & Malek Naderi	February 2012
30	Survey effective parameters in brazing copper-beryllium alloys	Khadijeh Esmati & Malek Naderi	January 2012
31	Microstructure, macrostructure and mechanical properties investigation of weld zone in HSLA steels used in marine structures	Hadi Ghazanfari & Malek Naderi	January 2012
32	Analysis and plotting of residual stress map in the weld zone on the basis of surface hardness data	Mohammad Reza Baziyar Ghombavani & Malek Naderi	January 2012
33	baa	Reza Ranjbar & Malek Naderi	February 2011

Books

#	Title	Author(s)	Publisher country	publication date	version
Portal Records					
1	A Textbook for Nano science and Technology Lab.	Malek Naderi, Alireza Badiie, Hassan Goldooz	Iran (Islamic Republic of)	February 2018	1
2	Thermomechanical behavior of Engineering Materials by means of Dilatometry data	Malek Naderi, Sina Salari	Iran (Islamic Republic of)	December 2014	1
3	Nanoindentation	Malek Naderi, Amir Hossen Mohammadi	Iran (Islamic Republic of)	April 2014	1
4	Physical properties of Materials	Malek Naderi	Iran (Islamic Republic of)	April 2009	2

Journal Papers

Portal Records

- 1 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,
- 2 Hamid Akbari Moayyer, Malek Naderi, Jamshid Aghazadeh Mohandes, Ali Ramazani, "Molecular dynamics simulation of mechanical properties of polystyrene nanoparticles under uniaxial compression test", COMPUTATIONAL MATERIALS SCIENCE, June 2020 Vol. 178, Num. 109553, Page 0-0, June 2020,
- 3 Hedayat Mohammadsoltani, Mohsen Asadi Asadabad, Malek Naderi, "The effect of thermomechanical treatment on the microstructure and mechanical properties of high Mn-Cr austenitic steels", INTERNATIONAL JOURNAL OF MATERIALS RESEARCH, October 2019 Vol. 110, Num. 10, Page 946-953, October 2019,
- 4 Seyyed Saber Mirhosseini, Malek Naderi, "An Analytical Study of Materials Engineering and Metallurgy at the top 30 Universities in the World", May 2019 Vol. 38, Num. 120, Page 9-18, May 2019,
- 5 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,
- 6 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,
- 7 Reza Aliasgarian, Malek Naderi, Seyed Ehsan Mirsalehi, "Ablation mechanism of ZrB₂-SiC coating for SiC-coated graphite under an oxyacetylene flame", SURFACE & COATINGS TECHNOLOGY, July 2018 Vol. 350, Num. 0, Page 511-518, July 2018,
- 8 Reza Aliasgarian, Malek Naderi, Seyed Ehsan Mirsalehi, Saeed Safi, "The Ablation and Oxidation Behaviors of SiC Coatings on Graphite Prepared by Slurry Sintering and Pack Cementation", JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE, April 2018 Vol. 0, Num. 0, Page 1-11, April 2018,
- 9 Reza Mohamadi Ahmadabadi, Malek Naderi, Jamshid Aghazadeh Mohandes, Jose Maria Cabrera, "Grain growth behaviour of an AISI 422 martensitic stainless steel after hot deformation process", CANADIAN METALLURGICAL QUARTERLY, February 2018 Vol. 2, Num. 1, Page 1870-1885, February 2018,
- 10 Reza Aliasgarian, Malek Naderi, Seyed Ehsan Mirsalehi, Saeed Safi, "The ablation behavior of ZrB₂-SiC coating prepared by shrouded plasma spray on SiC-coated graphite", JOURNAL OF ALLOYS AND COMPOUNDS, January 2018 Vol. 742, Num. 0, Page 797-803, January 2018,
- 11 Reza Mohamadi Ahmadabadi, Malek Naderi, Jamshid Aghazadeh Mohandes, Jose Maria Cabrera, "Dynamic Recrystallization Behavior of AISI 422 Stainless Steel During Hot Deformation Processes", JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE, January 2018 Vol. 27, Num. 2, Page 560-571, January 2018,
- 12 Zahra Loghman Nia, Malek Naderi, "Synthesis and characterization of hollow gold nanoparticles by recovery of gold from secondary resources", JOURNAL OF THE IRANIAN CHEMICAL SOCIETY, November 2017 Vol. 0, Num. 0, Page 0-0, November 2017,
- 13 Seyed Siavash Firouzabadi, Malek Naderi, Kamran Dehghani, Farzad Mahboubi, "Effect of nitrogen flow ratio on nano-mechanical properties of tantalum nitride thin film", JOURNAL OF ALLOYS AND COMPOUNDS, September 2017 Vol. 719, Num. 0, Page 63-70, September 2017,
- 14 Reza Mohamadi Ahmadabadi, Malek Naderi, Jamshid Aghazadeh Mohandes, Jose Maria Cabrera, "The Effect of Hot Deformation Parameters on Grain Size Refinement in a Martensitic Stainless Steel", Iranian journal of Materials Forming, May 2017 Vol. 4, Num. 2, Page 25-36, May 2017,
- 15 Reza Ranjbar, Malek Naderi, Arash Ghazitabar, "Hydrochemically separation of gold from Copper Anode Slime by means of Thiourea solution", Journal of Advanced Materials and Processing, April 2017 Vol. 5, Num. 1, Page 22-31, April 2017,
- 16 Atieh Koochakiabkenar, Malek Naderi, "Chemical synthesis of gold nanoparticles with different morphology from a secondary source", JOURNAL OF THE IRANIAN CHEMICAL SOCIETY, July 2016 Vol. 13, Num. 0, Page 2173-2184, July 2016,

- 17 Seyed Siavash Firouzabadi, Kamran Dehghani, Malek Naderi, Farzad Mahboubi, "Numerical investigation of sputtering power effect on nano-tribological properties of tantalum-nitride film using molecular dynamics simulation", APPLIED SURFACE SCIENCE, January 2016 Vol. 1, Num. 367, Page 197-204, January 2016,
- 18 Arash Ghazi Tabar, Malek Naderi, Reza Ranjbar, Amir Reza Azadmehr, "Using thiourea ligand of gold-thiourea complex to facilitate direct synthesis of silica@gold core-shell nanostructures", JOURNAL OF THE IRANIAN CHEMICAL SOCIETY, July 2015 Vol. 0, Num. 0, Page 0-0, July 2015,
- 19 Morteza Nikravesh, Malek Naderi, Gholamreza Akbari, Wolfgang Bleck, "Phase transformations in a simulated hot stamping process of the boron bearing steel", MATERIALS & DESIGN, June 2015 Vol. 84, Num. 0, Page 18-24, June 2015,
- 20 Sohrab Mostaghim, Malek Naderi, Arash Ghazi Tabar, "Synthesis of magnetite-gold nanoshells by means of the secondary gold resource", JOURNAL OF THE IRANIAN CHEMICAL SOCIETY, April 2015 Vol. x, Num. 0, Page 0-0, April 2015,
- 21 Seyedeh Narjes Abdollahi Keyvani, Malek Naderi, Ghassem Amoabediny, "Superparamagnetic plasmonic nanocomposites: Synthesis and characterization studies", CHEMICAL ENGINEERING JOURNAL, March 2015 Vol. 264, Num. 0, Page 66-76, March 2015,
- 22 Sina Salari, Malek Naderi, Wolfgang Bleck, "Constitutive modeling for non-isothermal deformation of a boron bearing steel at high temperatures", JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE, October 2014 Vol. 0, Num. 0, Page 0-0, October 2014,
- 23 Masoud Ramezani Movaffagh, Malek Naderi, Mohammad Ali Soltani, Reza Baradaran, "Determination of Delta Ferrite Content and Morphology in AISI 431 Martensitic Stainless Steel", , September 2014 Vol. 54, Num. 0, Page 18-23, September 2014,
- 24 Hadi Ghazanfari, Malek Naderi, "Expulsion Characterization in Resistance Spot Welding by Means of a Hardness Mapping Technique", INTERNATIONAL JOURNAL OF MINERALS METALLURGY AND MATERIALS, August 2014 Vol. 21, Num. 9, Page 1-4, August 2014,
- 25 Milad Azami Ghadkolai, Malek Naderi, Kasra Sardashti, Mehdi Iranmanesh, "Image Analysis as an Applicative Mean of Indentation Depth Determination", Journal of Metallurgical Engineering, May 2014 Vol. 3, Num. 3, Page 104-108, May 2014,
- 26 Reza Ranjbar, Malek Naderi, Hamid Omidvar, Gh. Amoabediny, "Gold Recovery From Copper Anode Slime By Means of Magnetite Nanoparticles (MNPs)", HYDROMETALLURGY, January 2014 Vol. 143, Num. 0, Page 54-59, January 2014,
- 27 Khadijeh Esmati, Hamid Omidvar, J. Jelokhani, Malek Naderi, "Study on the microstructure and mechanical properties of diffusion brazing joint of C17200 Copper Beryllium alloy", MATERIALS & DESIGN, December 2013 Vol. 53, Num. 0, Page 766-773, December 2013,
- 28 Seyedeh Narjes Abdollahi Keyvani, Malek Naderi, Gh. Amoabedini, "Synthesis and characterization of hollow gold nanoparticles using silica spheres as templates", COLLOIDS AND SURFACES A-PHYSICOCHEMICAL AND ENGINEERING ASPECTS, July 2013 Vol. 436, Num. 0, Page 1069-1075, July 2013,
- 29 Fardis Nakhaei, Malek Naderi, Mehdi Irannajad, "World trends of iron concentrates and energy consumption reduction methods", , July 2013 Vol. 19, Num. 0, Page 39-50, July 2013,
- 30 Malek Naderi, Amir Hossen Mohammadi, Ghuteh Balaji, Wolfgang Bleck, "Wear behavior of hardfacing coatings applied on glass processing tools", STEEL RESEARCH INTERNATIONAL, June 2013 Vol. 0, Num. 0, Page 0-0, June 2013,
- 31 Mahdi Salehi, Younes Alizadeh Vaghasloo, Malek Naderi, Masoud Ramezani Movaffagh, Ali Varmazyar, "Fatigue behavior of functionally graded steel produced by Electro-Slag Remelting", MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING, June 2013 Vol. 584, Num. 0, Page 143-149, June 2013,
- 32 Hadi Ghazanfari, Malek Naderi, "Influence of welding parameters on microstructure and mechanical performance of spot welded high strength steels", ACTA METALLURGICA SINICA, April 2013 Vol. 26, Num. 5, Page 635-640, April 2013,

- 33 Malek Naderi, Mahmoud Abbaci, A. S. Akbari, "Enhanced Mechanical Properties of a Hot-Stamped Advanced High-Strength Steel via Tempering Treatment", METALLURGICAL AND MATERIALS TRANSACTIONS A-PHYSICAL METALLURGY AND MATERIALS SCIENCE, November 2012 Vol. 44A, Num. 0, Page 1852-1861, November 2012,
- 34 Sina Salari, Malek Naderi, Ulrich Prael, W. Bleck, "Quantification of Phase Transformation Kinetics under Thermomechanical Conditions Using Dilatometry Data", Advanced Materials Research (AMR), November 2012 Vol. 622-623, Num. 0, Page 581-584, November 2012,
- 35 Mahmoud Abbaci, Malek Naderi, A. Saeed Akbari, "Isothermal versus Non-isothermal Hot Compression Process: A Comparative Study on Phase Transformations and Structure-Property Relationships", MATERIALS & DESIGN, September 2012 Vol. 0, Num. 0, Page 0-0, September 2012,
- 36 Seyedeh Narjes Abdollahi Keyvani, Malek Naderi, Ghassem Amoabediny, "Synthesis and physicochemical characterization of tunable silica-gold nanoshells via seed growth method", COLLOIDS AND SURFACES A-PHYSICO-CHEMICAL AND ENGINEERING ASPECTS, August 2012 Vol. 0, Num. 0, Page 0-0, August 2012,
- 37 Sina Salari, A. S. Akbari, Malek Naderi, W. Bleck, "Martensitic Transformation Behavior of B-Bearing Steel During Isothermal Deformation", STEEL RESEARCH INTERNATIONAL, March 2012 Vol. 83, Num. 0, Page 0-0, March 2012,
- 38 Hadi Ghazanfari, Malek Naderi, Mehdi Iranmanesh, Mehdi Seydi, Ali Poshteban, "A Comparative Study of the Microstructure and Mechanical Properties of HTLA Steel Welds Obtained by the Tungsten Arc Welding and Resistance Spot Welding", MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING, January 2012 Vol. 0, Num. 0, Page 0-0, January 2012,
- 39 Mahmoud Abbaci, A. Saeed Akbari, Malek Naderi, "The Effect of Strain Rate and Deformation Temperature on the Characteristics of Isothermally Hot Compressed Boron-alloyed Steel", MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING, January 2012 Vol. 0, Num. 0, Page 0-0, January 2012,
- 40 M. Nikravesh, Malek Naderi, G.H. Akbari, "Influence of hot plastic deformation and cooling rate on martensite and bainite start temperatures in 22MnB5 steel", MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING, December 2011 Vol. 0, Num. 0, Page 0-0, December 2011,
- 41 Sina Salari, Malek Naderi, "Investigation of Martensite in 22MnB5 steel under isothermal deformation using dilatometry and image analysis data", , November 2011 Vol. 43, Num. 43, Page 44-54, November 2011,
- 42 Malek Naderi, Mostafa Ketabchi, Mahmoud Abbaci, W. Bleck, "Analysis of microstructure and mechanical properties of different boron and non-boron alloyed steels after being hot stamped", Procedia Engineering, June 2011 Vol. 10, Num. 0, Page 460-465, June 2011,
- 43 Amir Hossen Mohammadi, Malek Naderi, Mehdi Iranmanesh, "Fracture Toughness evaluation of 3Cr-1Mo Steel from Vickers Indentation and Tensile Test Data", Procedia Engineering, June 2011 Vol. 10, Num. 0, Page 228-235, June 2011,
- 44 Malek Naderi, Mostafa Ketabchi, Mahmoud Abbaci, Wolfgang Bleck, "Semi-Hot Stamping as an Improved Process of Hot Stamping", JOURNAL OF MATERIALS SCIENCE & TECHNOLOGY, February 2011 Vol. 27, Num. 4, Page 369-376, February 2011,
- 45 Malek Naderi, Mostafa Ketabchi, Mahmoud Abbaci, Wolfgang Bleck, "Analysis of Microstructure and Mechanical Properties of Different High Strength Carbon Steels after Hot Stamping", JOURNAL OF MATERIALS PROCESSING TECHNOLOGY, January 2011 Vol. 0, Num. 0, Page 0-0, January 2011,
- 46 Malek Naderi, Mostafa Ketabchi, Mahmoud Abbaci, "Analysis of Microstructure and Mechanical Properties of Different Hot Stamped B-bearing Steels", Steel Research International, February 2010 Vol. 81, Num. 3, Page 0-0, February 2010,

Conference Papers

Portal Records







- 1 Hamid Akbari Moayyer, Malek Naderi, Jamshid Aghazadeh Mohandesi, Ali Ramazani, "Size-dependence Elastic Modulus of Polymer Nanoparticles during Compression: Molecular Dynamics Simulation", 8th International Conference on Nanostructures (ICNS8), November 2020

- 2 Reza Mohamadi Ahmadabadi, Malek Naderi, Jamshid Aghazadeh Mohandesi, Jose Maria Cabrera, Mohammad Ali Soltani, "Dilatometry and microstructural investigation during austenitization of martensitic stainless steel ", the 6th international and exhibition on metallurgy and materials engineering, October 2017
- 3 Reza Mohamadi Ahmadabadi, Somayeh Mehranfar, Malek Naderi, "the microstructural identification alloyed steels by new color etching technique ", 6th International Conference on Materials Engineering and Metallurgy, October 2017
- 4 Reza Mohamadi Ahmadabadi, Malek Naderi, Jamshid Aghazadeh Mohandesi, "Hot deformation behavior of a martensitic stainless steel during hot deformation processes ", 5th international conference on materials engineering and metallurgy, November 2016
- 5 Reza Mohamadi Ahmadabadi, Somayeh Mehranfar, Malek Naderi, "New Color Etching Techniques for Microstructural Identification and Phases Quantity Estimation of 1.3505 Steel ", International conference on materials engineering and metallurgy, November 2016
- 6 Malek Naderi, Arash Ghazitabar, "Synthesis of Different Gold Nanostructures by Chemical Methods from Various Gold Resources ", 6th annual world congress on Nanoscience and technology, October 2016
- 7 Zahra Loghman Nia, Malek Naderi, Arash Ghazitabar, "Facile Synthesis of Au hollow NPs by using silica NPs as a templates ", 5th International Conference on Nanotechnology (ICN-2016), 1-2 September 2016, Istanbul, Turkey, September 2016
- 8 Behrouz Torabi Mohsen Abad, Seyed Ehsan Mirsalehi, Malek Naderi, "Modeling of mechanical properties and metallurgical structure of friction stir welded pure copper Tjoints using micro hardness map ", 1st International Conference on New Research Achievements in Mechanics, Mechatronics & Biomechanics, May 2016
- 9 Malek Naderi, Arash Ghazitabar, Seyedeh Narjes Abdollahi Keyvani, "Synthesis Methods of gold nanoshell, using primary and secondary gold resource ", 4th Nano Today Conference, December 2015
- 10 Arash Ghazitabar, Malek Naderi, Atieh Koochakiabkenar, Farzane Ghorbani, "Synthesis of Magnetite@gold and Silica@gold core-shell nanostructure by means of secondary gold resource ", 4th Nano Today Conference, December 2015
- 11 Mehrdad Poorhashem Shemshkar, Malek Naderi, "Design - Making and mechanical properties of the two-phase bainitic nanostructured steel ", 4th International Engineering Materials & Metallurgy, November 2015
- 12 Zahra Loghman Nia, Malek Naderi, Arash Ghazitabar, "synthesis and characterization of Au hollow nanoparticles by means of secondary resource ", 5th international conferences on ultraFine grained and nanostructured materials, November 2015
- 13 Sina Salari, Malek Naderi, "Constitutive Modeling of the Flow Curves of B-Bearing Steel under Isothermal and Non-isothermal High Temperature Deformation ", gh, November 2014
- 14 Masoud Ramezani Movaffagh, Malek Naderi, Mohammadali Soltani, Reaz Baradaran, "Determination of Delta Ferrite Content and Morphology In 431 AISI Martensitic Stainless Steel ", 3rd International Engineering Materials & Metallurgy Conference, November 2014
- 15 Atieh Koochakiabkenar, Malek Naderi, "Facile Synthesis of Gold nanoparticles from secondary gold source by means of tri-sodium citrate ", 3rd international Engineering Material and metallurgy conference, November 2014
- 16 Erfan Movahed, Malek Naderi, "Study on optical properties of silica-gold core shell nanostructures by direct synthesis method ", 3rd International Engineering Materials & Metallurgy Conference, November 2014
- 17 Pooya Jalilnia, Malek Naderi, Mehdi Iranmanesh, Mohammad Reza Naeemi-Jamal, "Residual Stress Determination in Electron Beam Welded Zirconium Alloy by Nanoindentation ", 5th International Conference on Nanostructures (ICNS5), March 2014
- 18 Seyedeh Narjes Abdollahi Keyvani, Malek Naderi, Ghasem. Amoabediny, "Synthesis and Characterization of Multifunctional Magnetic Gold Nanoshells ", 5th International Conference on Nanostructures (ICNS5), March 2014
- 19 Seyedeh Narjes Abdollahi Keyvani, Malek Naderi, Ghassem Amoabediny, "Synthesis and characterization of hollow gold nanostructures via chemical etching ", 4th International Conference on Ultrafine Grained and Nano-Structured Materials, November 2013

- 20 Arash Ghazi Tabar, Malek Naderi, Sohrab Mostaghim, "A novel method for the synthesis of Silica-Gold Core-Shell nanoparticles ", The 4th International Conference on Ultrafine Grained and Nano-Structured Materials, November 2013
- 21 Masoud Naddaf, Malek Naderi, Hamid Omidvar, "Microhardness mapping and Hardness-Yield Strength in Advanced high Strength Steels ", the second International and The Seventh Joint Conference of Iranian Metallurgical Engineering and Iranian Foundrymen Scientific Societies, October 2013
- 22 Zahra Bahri, Malek Naderi, Mehdi Irannajad, "Co2 Recycling and saving during Ironmaking and Steelmaking ", 3th Burners and industrial Furnaces, May 2013
- 23 Sasan Khorasani, Malek Naderi, Amir Hossen Mohammadi, Mehdi Iranmanesh, "Strains around Vickers Microhardness indentations ", Steel Symposium 2013, February 2013
- 24 Fatemeh Alizadeh, Malek Naderi, Mehdi Iranmanesh, "Determination of an Statistical Strength-Hardness Correlation in Ferritic-Pearlitic Steels ", Steel Symposium 2013, February 2013
- 25 Mahdi Salehi, Malek Naderi, Younes Alizadeh Vaghasloo, Masoud Ramezani Movaffagh, Ali Varmazyar, "Investigation of fatigue crack initiation and propagation mechanism in functionally graded steel produced by Electro-Slag Remelting process ", The First International and the Sixth Joint Conference of Iranian Metallurgical Engineering Society , Iranian Foundrymens Society, November 2012
- 26 Mahdi Salehi, Younes Alizadeh Vaghasloo, Malek Naderi, Masoud Ramezani Movaffagh, Ali Varmazyar, "An Investigation on fatigue Behaviour of Austenitic-Martensitic Functional Steel ", nternational Conference on Mechanical Engineering and Advanced Technology, October 2012
- 27 Hadi Ghazanfari, Malek Naderi, Mehdi Iranmanesh, "Investigation of Heat Treatment Effect on Microstructure and Hardness Map of 4130 Alloy Steel Welds ", (International Conference on Materials Heat Treatment (ICMH 2012, May 2012
- 28 Seyedeh Narjes Abdollahi Keyvani, Malek Naderi, Reza Ranjbar, Gh. Amoabedini, "Deposition of gold nanoparticles on silica, magnetite and magnetite-silica spheres ", 4th International Conference on Nanostructures (ICNS4), March 2012
- 29 Nima Sadeghi, Malek Naderi, "Energy Conservation in AI Industries ", 2th Conf. & Exhibition on Energy Management & Conservation, January 2012
- 30 Seyedeh Narjes Abdollahi Keyvani, Malek Naderi, Reza Ranjbar, Gh.Amoabediny, "Deposition of gold nanoparticles on spherical silica, magnetite and magnetite-silica nanoparticles modified by amino groups ", INTERNATIONAL CONFERENCE ON NANOSCIENCE AND TECHNOLOGY, January 2012
- 31 Hossein Zarrinpour, Malek Naderi, Ehsan Hossein Mirzaei, "Energy conservation and management in Iranian Cast-Iron Shpos ", Emerging Trends in Energy Conservation ETEC2011, December 2011
- 32 Nima Sadeghi, Malek Naderi, "Conservation of Energy in Aluminium Production Processes ", Emerging Trends in Energy Conservation ETEC2011, December 2011
- 33 Seyedeh Narjes Abdollahi Keyvani, Malek Naderi, Reza Ranjbar, Gh. Amo Abedini, "SYNTHESIS OF MAGNETITE AND MAGNETITE-SILICA/COLLOIDAL GOLD CORE-SHELL NANOSHELLS ", 3rd International Conference on Ultrafine Grained and Nanostructured Materials, November 2011
- 34 Reza Ranjbar, Seyedeh Narjes Abdollahi Keyvani, Malek Naderi, "Synthesis of Silica and magnetite/colloidal gold core-shell Nanoshells ", The 5th Iranian controlled Release Conference, October 2011
- 35 Morteza Nikravesh, Malek Naderi, Gholamhossein Akbari, "The effect of hot plastic deformation on continuous cooling transformation in 22MnB5 steel ", 5th National Conference of Metals and Materials Forming MATFORM'90, October 2011
- 36 Reza Ranjbar, Malek Naderi, Sh. Daneshpajouh, Hamid Omidvar, Z. Manafi, Gh. Amoabedini, Z. Seyedraoufi, Seyedeh Narjes Abdollahi Keyvani, Seyedmohammadhassan Mirfasih, "Recovery of Gold ions from Copper Anode Slime by Means of Magnetite Nano-particles ", 2th International Conference on Nano Science and Technology (ICNST 2011, October 2011
- 37 Sina Salari, Malek Naderi, "Investigation of martensite in 22MnB5 steel under isothermal deformation using dilatometry and digital image analysis data ", 5th Joint Conference of Iranian Metallurgical Engineers Society and Iranian Foundry Mens Soceity, October 2011

- 38 Hossein Zarrinpour, Malek Naderi, Ehsan Hossein Mirzaei, "Techno-economical Study of cast iron production ", 5th Joint Conference of Iranian Metallurgical Engineers Society and Iranian Foundry Mens Soceity, October 2011
- 39 Hadi Ghazanfari, Malek Naderi, Mehdi Iranmanesh, "The effects of welding current on heat input, microstructure and strength of resistance spot welding on 4130 steel ", 5th Joint Conference of Iranian Metallurgical Engineers Society and Iranian Foundry Mens Soceity, October 2011
- 40 Fereshteh Mirhosseini, Malek Naderi, "Review of Economics of the aluminum industry after the targeted subsidy plan ", 5th Joint Conference of Iranian Metallurgical Engineers Society and Iranian Foundry Mens Soceity, October 2011
- 41 Malek Naderi, Mostafa Ketabchi, Mahmoud Abbaci, Wolfgang Bleck, "Analysis of microstructural and mechanical properties of different boron and non-boron alloyed steels after being hot stamped ", 11th International Conference on the mechanical behaviour of materials, June 2011
- 42 Amir Hossen Mohammadi, Malek Naderi, Mehdi Iranmanesh, "Fracture Toughness Evaluation of 3Cr-1Mo Steel from Vickers Indentation and Tensile Test Data ", 11th International Conference on the Mechanical Behavior of Materials, June 2011
- 43 Reza Ranjbar, Malek Naderi, Ghasem Amoabedini, Hamid Omidvar, Zahra Raoufi, "Extraction of Gold from ore by means of nano-particles ", International Workshop On Science And Technology Policy And Sustainable development, January 2011
- 44 Malek Naderi, Kasra Sardashti, Ali Sharbatian, Mehdi Iranmanesh, "An investigation into depth sensing of hardness maps by means of image processing techniques ", 2010 [۲۶], November 2010
- 45 Mahmoud Abbaci, Mohammad Abbasi, Mostafa Ketabchi, Malek Naderi, "Comparison of M-K and MMFC criteria in investigation of formability of a steel sheet ", Manufacturing Engineering Conference, March 2009

Taught Courses

#	Course title	Description	Headlines	Date
1	Special Topics (nanomaterials)	Mateerials Behavior in Nanometer Scale , Types and Application of Nanomaterials		Fall 2021
2	Design & Selection of Engineering Materials)	Developing Attitude and Understanding of Materials Design for Manufacturing Engineering Components Based on the Standard Concept		Fall 2021
3	Design & Selection of Engineering Materials)	Developing Attitude and Understanding of Materials Design for Manufacturing Engineering Components Based on the Standard Concept		Spring 2021
4	Nanomaterials	An introduction to Nanomaterials, , Synthesis, Characterization and applications		Spring 2021
5	Design & Selection of Engineering Materials)	Developing Attitude and Understanding of Materials Design for Manufacturing Engineering Components Based on the Standard Concept		Fall 2020
6	Feasibility Studies of Extractive Metallurgy Processes	An Introduction into Technical and Economical assessment in Materials and Metallurgical Engineering		Fall 2020

Inventions/Patents

#	Invention title	Reg. number	Country contributors	Reg. date	Exp. date
1	Recovery of Gold and Silver from copper anode slime by means of selective electrowinning method	98295		2019/04/1	2038/01/19
2	Silica-gold nanostructure core-shell synthesis using secondary gold sources	84722		2015/01/1	2035/02/1
3	Gold Nano-hollows synthesis by means of electro-chemical etching of nano-silica coreshells	89/الف 029416		2014/02/1	2034/02/1
4	Gold recovery from anode slime by means of electrolysis of Gold Thiourea	70833		2011/07/1	-
5	Gold recovery from anode slime by means of electrolysis of Gold Thiourea	70833		2011/07/1	-
6	Manufacturing Automatic Surface Hardness Mapping Machine	62904		2010/01/1	-
7	Removal and extraction of precious metals from anode copper by means of coated magnetic nanoparticles	60762		2009/08/1	2011/08/1