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مالک نادری

دانشیار

دانشکده مهندسی مواد و متالورژی

گروه آموزشی تولید و سنتز مواد

رساله‌های دکتری

#	عنوان پایان‌نامه	توسط	تاریخ دفاع
1	ساخت و بررسی خواص نانو مکانیکی ذرات ساینده هسته/ پوسته مورد استفاده در فرآیند مسطح سازی مکانیکی- شیمیایی (CMP)	حمید اکبری معیر و مالک نادری	مهر 1399
2	ساخت نانوکامپوزیت آئروگرافن/ اکسید کبالت، روی و ارزبایی ویژگی های ساختاری و الکتروشیمیایی	آرش قاضی تبار و مالک نادری	بهمن 1398
3	اندازه‌گیری مقاومت به سوزش پوشش‌های کامپوزیتی ZrB ₂ -SiC/SiC بر روی گرافیت	رضا علی عسگریان و مالک نادری	تیر 1397
4	بررسی رفتار ترمومکانیکی فولاد زنگ نزن مارتنزیتی A982 به منظور بهینه سازی ریز ساختار	رضا محمدی احمدآبادی و مالک نادری	تیر 1397
5	تحلیل خواص نانو مکانیکی لایه نازک نترید تانتالوم تولید شده به روش کندوپاش مغناطیسی فعال	سیدسیاوش فیروزآبادی و مالک نادری	خرداد 1396

پایان‌نامه‌های کارشناسی ارشد

#	عنوان پایان‌نامه	توسط	تاریخ دفاع
1	بررسی رفتار سیستم‌های لیچینگ فلزات روی و منگنز از باتری های قلمی مستعمل	رسول ساجدی رحیم صیقلانی و مالک نادری	اسفند 1400
2	سنتز آئروژل گرافن/سلولز به منظور ساخت جاذب با قابلیت استفاده مجدد برای حذف آلاینده های نفتی	ایلار هویت دوست و مالک نادری	شهریور 1400

3	سنتر آئروژل گرافن/نانولوله های کربنی به منظور ساخت جاذب با قابلیت استفاده مجدد برای حذف آلاینده های نفتی	فهیمة غلامی و مالک نادری	شهریور 1400
4	لایه نشانی الکتروشیمیایی پوشش کامپوزیت Ni-Si3N4/Graphene و بررسی خواص مقاومت به خوردگی، سایش و قابلیت آن در کاربردهای الکتروکاتالیستی	وحید حبیبی و مالک نادری	شهریور 1399
5	سنتر نانوکامپوزیت اروگرافن مناسب برای جذب آلاینده های نفتی	رامین شادکام و مالک نادری	بهمن 1398
6	بررسی خواص الکتروشیمیایی نانوکامپوزیت آئروگرافنی جهت استفاده بعنوان الکتروُد در ابرخازن	سارا شاطری و مالک نادری	دی 1398
7	سنتر نانو کامپوزیت آئروگرافن- پلی آنیلین به عنوان الکتروُد ابرخازن	ارمین اصغری علمداری و مالک نادری	دی 1398
8	سنتر و مشخصه یابی کامپوزیت اکسید گرافن احیا شده / نانو ذرات طلا	فاطمه فرخی فر و مالک نادری	خرداد 1398
9	بازیابی نقره از کنسانتره های روی سولفیدی	فرامرز کاظمی رنانی و مالک نادری	بهمن 1397
10	بازیابی دی اکسید تیتانیم (روتیل) از لجن رنگ خودرو و امکان تولید رنگدانه ها و نانو ذرات TiO2	بهاره احمدپورسامانی و مالک نادری	تیر 1397
11	اثر عملیات حرارتی بر خواص نانومکانیکی کاربیدها در فولاد ابزار 1.3255	عباس پارنج و مالک نادری	دی 1395
12	مدلسازی و بررسی ریز ساختار و خواص مکانیکی اتصالات سپری جوشکاری اصطکاکی اغتشاشی مس	بهرز ترابی محسن آباد و مالک نادری	شهریور 1395
13	سنتر نانو حفرات طلا از لجن آندی مس	زهرا لقمان نیا و مالک نادری	تیر 1395
14	اثر فریت دلتا بر خواص مکانیکی فولاد زنگ نزن مارتنزیتی 1.4935 (A 982)	وحید انتظاری و مالک نادری	بهمن 1394
15	اندازه گیری و تحلیل خواص نانو مکانیکی ریزساختار بینابینی	مهدراد پورهاشم شمشکار و مالک نادری	مهر 1394
16	تاثیر عملیات ترمومکانیکی بر فولادهای آستنیتی پرمگنز- پرمکروم	هدایت محمدسلطانی و مالک نادری	بهمن 1393
17	اثر ریخت شناسی و درصد کمی فاز فریت دلتا بر رفتار ترمومکانیکی فولاد زنگ نزن مارتنزیتی	مسعود رضانی موفق و مالک نادری	بهمن 1393
18	سنتر شیمیایی نانو ذرات طلا از لجن آندی مس	عطیه کوچکی ابکنار و مالک نادری	مهر 1393
19	سنتر نانو پوسته ی طلا-مگنتیت از لجن آندی مس	سهراب مستقیم و مالک نادری	بهمن 1392
20	تعیین تنش پسماند در فرایند جوش پرتو الکترونی آلیاژهای زیرکونیوم با استفاده از فرورونده نانو	پویا جلیل نیا و مالک نادری	مهر 1392
21	تغییر ریزساختار در جوشکاری پرتوی الکترونی آلیاژ زیرکونیوم	رضا بتویی ننجی و مالک نادری	مهر 1392
22	سنتر نانو پوسته ی طلا-سیلیکا از لجن آندی مس	ارش قاضی تبار و مالک نادری	مهر 1392
23	تحلیل رفتار مکانیکی الاستو- پلاستیک آلیاژ زیر کونیوم با استفاده از نانو فروروندگی	امیرحسین محمدی و مالک نادری	تیر 1392
24	انتخاب روش جوشکاری مناسب برای لوله و اتصالات پلی اتیلن در خطوط توزیع گاز	راضیه جلالوند و مالک نادری	اردیبهشت 1392

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1	انتخاب مواد مهندسی	مالک نادری	ایران	1400	1
2	درسنامه آزمایشگاه علوم و فناوری نانو	مالک نادری، دکتر علیرضا بدیعی، دکتر حسن گلدوز	ایران	1396	1
3	رفتارشناسی ترمومکانیکی مواد مهندسی بر مبنای اطلاعات دیلاتومتری	مالک نادری، سینا سالاری	ایران	1393	1
4	نانوفروردگی	مالک نادری، امیرحسین محمدی	ایران	1393	1
5	خواص فیزیکی مواد	مالک نادری	ایران	1388	2

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- 1 Malek Naderi, Aylar Hoviat Doost, Delasa Alijani Ashna, Kiarash Ghazitabar, Fahimeh Gholami, "Fabrication of Graphene Aerogel/CNT composite for the removal of oil and heavy metal contaminants from industrial wastewater ", 5th National Congress and Workshops on Nanoscience and Nanotechnology, August 2021
- 2 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
- 3 Ramin Shadkam, , Malek Naderi, "Fabrication of rGO/CNC Composite Aerogel Reinforced with Cellulose Fibers for the Adsorption of Organic Solvents ", 8th International Conference on Nanostructures ICNS8, November 2020
- 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 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
- 6 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
- 7 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
- 8 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
- 9 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
- 10 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
- 11 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
- 12 Malek Naderi, Atieh Koochakiabkenar, Arash Ghazitabar, "Using VenMet solution for reducing Gold nanoparticles from thiourea-gold complex ", 6th international conference on nanostructures ICNS6, March 2016
- 13 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
- 14 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
- 15 Mehrdad Poorhashem Shemshkar, Malek Naderi, "Design - Making and mechanical properties of the two-phase bainitic nanostructured steel ", 4th International Engineering Materials & Metallurgy, November 2015
- 16 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
- 17 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
- 18 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
- 19 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
- 20 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
- 21 Seyedeh Narjes Abdollahi Keyvani, Malek Naderi, Ghasem. Amoabediny, "Synthesis and Characterization of Multifunctional Magnetic Gold Nanoshells ", 5th International Conference on Nanostructures (ICNS5), March 2014
- 22 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
- 23 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

- 24 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
- 25 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
- 26 Zahra Bahri, Malek Naderi, Mehdi Irannajad, "Co2 Recycling and saving during Ironmaking and Steelmaking ", 3th Burners and industrial Furnaces, May 2013
- 27 Sasan Khorasani, Malek Naderi, Amir Hossen Mohammadi, Mehdi Iranmanesh, "Strains around Vickers Microhardness indentations ", Steel Symposium 2013, February 2013
- 28 Fatemeh Alizadeh, Malek Naderi, Mehdi Iranmanesh, "Determination of an Statistical Strength-Hardness Correlation in Ferritic-Pearlitic Steels ", Steel Symposium 2013, February 2013
- 29 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
- 30 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
- 31 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
- 32 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
- 33 Nima Sadeghi, Malek Naderi, "Energy Conservation in Al Industries ", 2th Conf. & Exhibition on Energy Management & Conservation, January 2012
- 34 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
- 35 Nima Sadeghi, Malek Naderi, "Conservation of Energy in Aluminium Production Processes ", Emerging Trends in Energy Conservation ETEC2011, December 2011
- 36 Hossein Zarrinpour, Malek Naderi, Ehsan Hossein Mirzaei, "Energy conservation and management in Iranian Cast-Iron Shpos ", Emerging Trends in Energy Conservation ETEC2011, December 2011
- 37 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
- 38 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
- 39 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
- 40 Reza Ranjbar, Malek Naderi, Sh. Daneshpajouh, Hamid Omidvar, Z. Manafi, Gh. Amoabedini, Z. Seyedraoufi, Seyedeh Narjes Abdollahi Keyvani, Seyedmohammadhassan Mirfasihi, "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

- 41 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
- 42 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
- 43 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
- 44 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
- 45 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
- 46 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
- 47 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
- 48 Malek Naderi, Kasra Sardashti, Ali Sharbatian, Mehdi Iranmanesh, "An investigation into depth sensing of hardness maps by means of image processing techniques ", 2010 [دوره], November 2010
- 49 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

دروس ارائه شده

#	عنوان درس	توصیف درس	دوره سرفصل ها	دوره درسی
1	Nanomaterials	An introduction to Nanomaterials, , Synthesis, Characterization and applications		Spring 2022
2	Design & Selection of Engineering Materials)	Developing Attitude and Understanding of Materials Design for Manufacturing Engineering Components Based on the Standard Concept		Spring 2022
3	Special Topics (nanomaterials)	Mateerials Behavior in Nanometer Scale , Types and Application of Nanomaterials		Fall 2021
4	Design & Selection of Engineering Materials)	Developing Attitude and Understanding of Materials Design for Manufacturing Engineering Components Based on the Standard Concept		Fall 2021
5	Design & Selection of Engineering Materials)	Developing Attitude and Understanding of Materials Design for Manufacturing Engineering Components Based on the Standard Concept		Spring 2021
6	Nanomaterials	An introduction to Nanomaterials, , Synthesis, Characterization and applications		Spring 2021

#	عنوان اختراع	شماره ثبت	کشور ثبت کننده	همکاران	تاریخ ثبت	تاریخ انقضا
داده های ثبت شده در پورتال						
1	بازیابی طلا و نقره از لجن آندی مس به روش الکتروپینینگ انتخابی	98295	-	ارش قاضی تبار، مالک نادری	1398/1/12	1416/10/30
2	سنتز نانوساختارهای هسته-پوسته سیلیکا-طلا با استفاده از منبع ثانویه طلا	84722	-	رضا رنجبر، ارش قاضی تبار، مالک نادری	1393/10/11	1413/11/12
3	سنتز نانوذرات توخالی طلا به واسطه اچ شیمیایی نانوهمسته های سیلیکا	89/الف 029416	-	مالک نادری، سیده نرجس عبدالهی کیوانی، قاسم عموعابدینی	1392/11/12	1412/11/13
4	استخراج طلا از لجن آندی مس با استفاده از الکترولیز محلول تیواوره طلا	70833	Iran (Islamic Republic (of	رضا رنجبر، مالک نادری، قاسم عموعابدینی، حمید امیدوار، زهرا سادات رئوفی	1390/4/10	-
5	استخراج طلا از لجن آندی مس با استفاده از الکترولیز محلول تیواوره طلا	70833	Iran (Islamic Republic (of	رضا رنجبر، مالک نادری، قاسم عمو عابدینی، حمید امیدوار، زهرا رئوفی	1390/4/10	-
6	دستگاه سختی سنج روبشی اتوماتیک	62904	Iran (Islamic Republic (of	مالک نادری	1388/10/11	-
7	فرایند تولید و استخراج فلزات گرانبها از لجن آندی مس از طریق نانوذرات پوشش دار مگنتیتی پایه آهن	60762	Iran (Islamic Republic (of	رضا رنجبر، مالک نادری، حمید امیدوار	1388/5/10	1390/5/10