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## رساله‌های دکتری

#	عنوان پایان‌نامه	توسط	تاریخ دفاع
1	بررسی ریزساختار و تاثیر آن بر استحکام دمای بالای اتصال اینکونل 738LC به روش لحیم کاری سخت درز اتصال پهن	حسین علینقیان و سیدپیروز هویدامرعی	اسفند 1399
2	تحلیل پدیده ترک گرم در نهشت فلزی لیزری آلیاژ اینکونل 718 روی آلیاژ A-286	مسعود علیزاده شمس آبادی و سیدپیروز هویدامرعی	مهر 1399
3	ارزیابی خواص سایشی نانو کامپوزیت سطحی AZ31- گرافین تولید شده توسط فرایند همزن اصطکاکی	محسن عرب و سیدپیروز هویدامرعی	اسفند 1397
4	شبیه سازی عددی ترک هیدروژمی در جوش فولادی X70	علی طالبی هنزائی و سیدپیروز هویدامرعی	آبان 1397
5	تاثیر پارامترهای موثر در تهیه سیستم هیبریدی گرافن - نانو سیم نقره به روش شیمیایی و بررسی خواص فیزیکی آن	عطیه نکاحی و سیدپیروز هویدامرعی	مهر 1394
6	تغییر شیمی سطح با ایجاد لایه نانو ساختار کمپلکس (S/B/C/N) به روش الکترولیز پلاسمایی	حسین توکلی و سیدپیروز هویدامرعی	تیر 1393

## پایان‌نامه‌های کارشناسی ارشد

#	عنوان پایان‌نامه	توسط	تاریخ دفاع
1	سنتز و بررسی ریزساختار و خواص الکتروشیمیایی ترکیبات حاوی سریا به عنوان کاتد در پیل سوختی اکسید جامد دما پایین	مریم حقانی بائی و سیدپیروز هویدامرعی	اسفند 1400

2	ارزیابی ریز ساختار و خواص سایشی روکش استلایت 6 با روش جوشکاری TIG	سیدعلی سیدی و سیدپیروز هویدامرعی	شهریور 1400
3	سنتر نانوکامپوزیت گرافن-سولفید مولیبدن و بررسی خواص فوتوکاتالیستی آن	محدثه پودینه و سیدپیروز هویدامرعی	اسفند 1399
4	ساخت و بررسی مشخصات هیبرید گرافن اکسید- چارچوب فلزی آلی برای جذب گاز متان	وحید کامرانی پویا و سیدپیروز هویدامرعی	شهریور 1399
5	تثبیت نانوذرات نقره روی شیشه	غزاله لشگری و سیدپیروز هویدامرعی	تیر 1398
6	بررسی خواص ریز ساختاری و الکتروشیمیایی پوشش های نانوکامپوزیتی، NiO-YSZ، Ni(OH) <sub>2</sub> -YSZ-rGO- Ni(OH) <sub>2</sub> -YSZ اعمال شده با روش روسب نشانی الکتروفوریتیک	دل آرام صالح زاده و سیدپیروز هویدامرعی	بهمن 1397
7	بررسی اثر جوشکاری تعمیری بر خواص مکانیکی و ریزساختار فولاد 30ChN2MA	رضا زارعی و سیدپیروز هویدامرعی	شهریور 1397
8	بررسی اثر تابش بر نظم نانو حفره های تشکیل شده به روش آنداپزینگ	زهرا قائمی و سیدپیروز هویدامرعی	بهمن 1396
9	بررسی علل تخریب تیوبهای کوئل راکتور اتواکسیلات و ارائه راهکار صنعتی برای رفع مشکل موجود	صادق برجعلی و سیدپیروز هویدامرعی	تیر 1396
10	بررسی تاثیر پیشگرم، قطر و نوع الکتروود بر ریزساختار و خواص مکانیکی جوشکاری لوله های X70 به روش الکتروود دستی	مسعود باستانی و سیدپیروز هویدامرعی	بهمن 1395
11	ساخت و مشخصه یابی داربست نانو فیبری پلی کپرولاکتون (PCL)-کربن نانو تیوب (CNT) به منظور کاربرد در مهندسی بافت عصبی	فرناز غنچی زاده سامانی و سیدپیروز هویدامرعی	مهر 1395
12	بررسی رشد دکمه ی جوش و رفتار مکانیکی در اتصال چهار ورقه جوش های مقاومتی نقطه ای	حسن ایزدی و سیدپیروز هویدامرعی	اسفند 1394
13	سنتر نانوذرات دو فلزی مس- نقره-به روش پلیول	یاسمن نیک نفس و سیدپیروز هویدامرعی	دی 1394
14	سنتر ساختارهای تک بعدی نقره - مس به روش پلیول	مارال افشار و سیدپیروز هویدامرعی	آذر 1394
15	استفاده از روشهای پرتو دهی به منظور بهبود نظم در ساخت نانو سیم ها	محسن رضائی شه میرزادی و سیدپیروز هویدامرعی	آذر 1394
16	شبیه سازی دینامیک مولکولی خواص مکانیکی نانوسیم اکسید روی	شیمیا قایمی و سیدپیروز هویدامرعی	بهمن 1393
17	تولید نانومیله/نانو سیم اکسیدروی به روش شیمی تر	مهشید پورنجر و سیدپیروز هویدامرعی	آذر 1393
18	جوشکاری اصطکاکی اغتشاشی نقطه ای فولادهای پیشرفته استحکام بالا	امید عابدینی و سیدپیروز هویدامرعی	مهر 1393
19	شبیه سازی دینامیک مولکولی توزیع حرارتی و تنش بین عناصر آلومینیوم- نیکل در جوش اصطکاکی خطی در ابعاد نانومتری	سید محمد یوسف طاهری و سیدپیروز هویدامرعی	مهر 1393
20	بررسی پارامترهای موثر در تولید نانووایر مس به روش شیمی تر	مریم سادات حسینی و سیدپیروز هویدامرعی	مهر 1392
21	بررسی مشخصات متالورژیکی و مکانیکی جوشهای مقاومتی نقطه ای فولادهای زنگ نزن	مسعود علیزاده شمس آبادی و سیدپیروز هویدامرعی	مهر 1392
22	بررسی ریزساختار و خواص مکانیکی نانو کامپوزیت آلیاژ منیزیم AZ31/ZrO <sub>2</sub> ایجاد شده در سطح با روش اصطکاکی اغتشاشی (FSP)	عباس رشوند و سیدپیروز هویدامرعی	مهر 1392
23	بررسی تأثیر ویژگی های هندسی و عملیات حرارتی نانوسیم های ZnO بر رفتار پیزوالکتریک	نوشین سادات آیتی و سیدپیروز هویدامرعی	بهمن 1391

24	بررسی پارامترهای الکتروشیمیایی مؤثر بر رسوب نشانی نانو سیم اکسید روی	الهه اکبری و سیدپیروز هویدامرعی	بهمن 1391
25	ساخت غشاء تبادل نیسکونی نانو ساختار با قابلیت هدایت یون زیرکونیوم	فائزه اژه ای و سیدپیروز هویدامرعی	دی 1390
26	جداسازی یون لیتیم به روش الکترودیالیز با استفاده از غشای نیسکونی نانو ساختار	سیما عارفی و سیدپیروز هویدامرعی	مهر 1390
27	بررسی ریزساختار و رفتار شکست اتصال مشابه و نامشابه جوش‌های مقاومتی نقطه‌ای فولادهای استحکام بالای پیشرفته‌ی مارتنزیتی	دراسادات صفانا و سیدپیروز هویدامرعی	تیر 1390
28	بررسی خواص پوششهای نانو ساختار تیتانیایی بر روی فولاد زنگ نزن	پگاه امامقلی زاده سیار و سیدپیروز هویدامرعی	بهمن 1389
29	ساخت و بررسی عملکرد الکتروود یون گزین لیتیم بر پایه غشاء NASICON نانو ساختار	المیرا شفیعی و سیدپیروز هویدامرعی	دی 1389
30	ساخت نانو سیم های اکسید روی برای استفاده در سنسورهای پیزوالکتریک	شیمیا منتظری نمین و سیدپیروز هویدامرعی	دی 1389
31	بررسی و ساخت غشای سرامیکی نانو حفره تبادل یون به منظور استفاده در الکترودیالیز	محمدرضا قانی و سیدپیروز هویدامرعی	دی 1388
32	بررسی ساختار ، خواص مکانیکی و رفتار شکست جوش های لیزری نقطه ای فولاد ساده کربنی	مریم معصومی و سیدپیروز هویدامرعی	دی 1388
33	بررسی اثر PH و دما بر خواص مغناطیسی نانو سیم های آهن - کبالت	مینا صالحی و سیدپیروز هویدامرعی	آذر 1388
34	تهیه قالب متخلخل آلومینا وتولید نانوسیمهای آلیاژی آهن - کبالت با بهینه خواص مغناطیسی به روش آبکاری الکتریکی با استفاده از روش تاگوچی	محسن عرب و سیدپیروز هویدامرعی	بهمن 1387
35	اثر دما و زمان آستمپر و دمای کوئینچ روی ساختار و خواص مکانیکی چدن های داکتیل آستمپر شده (ADI)	کزال سهرابی و سیدپیروز هویدامرعی	بهمن 1387
36	تهیه پوسته و تولید نانو وایرهای فلزی به روش الکتروشیمی	یونس اعتماد و سیدپیروز هویدامرعی	اردیبهشت 1387
37	ریخته گری کوبشی آلیاژ آلومینیوم AL2024	وحید آشفته و سیدپیروز هویدامرعی	آذر 1386
38	مقایسه روشهای مختلف پرتو AFM ، X و TEM برای اندازه گیری ذرات نانو سایز آلومینا	نرگس اسدپورچالو و سیدپیروز هویدامرعی	شهریور 1386
39	بررسی جوش پذیری ورقهای مس - آلومینیوم به روش فشاری	کامران غلام رسول پور ترک و سیدپیروز هویدامرعی	تیر 1385

## کتاب

#	عنوان	نگارندگان/مترجمان	کشور	تاریخ انتشار	نسخه
	داده های ثبت شده در پورتال				
1	بلورشناسی در مهندسی مواد	سیدپیروز هویدامرعی، مجید پورانوری، مسیح رضائی، دراسادات صفانا	ایران	1399	1
2	نانو بلورها: سنتز، ویژگی‌ها و کاربردها	سیدپیروز هویدامرعی، امیرمصطفی امیرجانی، داود حق شناس فتمه سری	ایران	1393	1
3	رفتار مکانیکی مواد (جاد اول)	جمشید آقازاده، سیدپیروز هویدامرعی، مسیح رضائی	ایران	1391	1

4	رفتار مکانیکی مواد (جلد دوم)	جمشید آقازاده، سیدپیروز هویدامرعی، مسیح ایران 1391	1
5	فیزیک و شیمی فصل های مشترک	علیرضا ذوالفقاری، سیدپیروز هویدامرعی، داود ایران 1389	1
6	اصول و کاربرد میکروسکوپ های الکترونی و روش های نوین آنالیز ابزار شناسایی دنیای نانو (چاپ دوم)	سیدپیروز هویدامرعی، سعید کاویانی، حسین ایران 1389	2
7	خواص مکانیکی مواد نانو بلوری	جمشید آقازاده، سیدپیروز هویدامرعی، مسیح ایران 1388	1
8	اصول ریخته گری فلزات	امیر عابدی، سیدپیروز هویدامرعی، مسیح ایران 1387	1
9	اصول و کاربرد میکروسکوپ های الکترونی و روش های نوین آنالیز ابزار شناسایی دنیای نانو	سیدپیروز هویدامرعی، سعید کاویانی، حسین ایران 1383	1

## مقالات ژورنال

### داده های ثبت شده در پورتال

- Hossein Alinaghian, Ali Farzadi, Pirooz Marashi, Majid Pouranvari, "Wide Gap Brazing of Inconel 738LC Nickel-Based Superalloy: Metallurgical and Mechanical Characteristics", *METALLURGICAL AND MATERIALS TRANSACTIONS A-PHYSICAL METALLURGY AND MATERIALS SCIENCE*, Vol. 51, Num. 12, Page 6283-6293, December 2020,
- Mohammad Reza Ghaani, Amir Masoud Mohtasebi, Razie Tajeri, Pirooz Marashi, "A Comparison of the Role of the Chelating Agent on the Structure of Lithium Conducting Solid Electrolyte Li<sub>1</sub>. 4Al<sub>0</sub>. 4Ti<sub>1</sub>. 6 (PO<sub>4</sub>)<sub>3</sub>: Pechini vs. Modified Pechini-Type Methods", *BATTERIES*, Vol. 6, Num. 4, Page 1-13, December 2020,
- Hossein Alinaghian, Pirooz Marashi, Ali Farzadi, Majid Pouranvari, "Microstructure and mechanical properties of Inconel 738LC joint by wide gap brazing using Amdry 718", , Vol. 52, Num. 10, Page 1-10, December 2020,
- Masoud Alizadeh Shamsabadi, Pirooz Marashi, Eslam Ranjbarnoodeh, Reza Shoja-Razavi, "Laser cladding of Inconel 718 powder on a non-weldable substrate: Clad bead geometry-solidification cracking relationship", *Journal of Manufacturing Processes*, Vol. 56, Num. 0, Page 54-62, August 2020,
- Masoud Alizadeh Shamsabadi, Pirooz Marashi, Eslam Ranjbarnoodeh, Reza Shoja-Razavi, Jo?O Pedro Oliveira, "Prediction of solidification cracking by an empirical-statistical analysis for laser cladding of Inconel 718 powder on a non-weldable substrate", *OPTICS AND LASER TECHNOLOGY*, Vol. 128, Num. 106244, Page 106244-106244, August 2020,
- Delaram Salehzadeh, Morteza Torabi, Zahra Sadeghian, Pirooz Marashi, "A multiscale-architecture solid oxide fuel cell fabricated by electrophoretic deposition technique", *JOURNAL OF ALLOYS AND COMPOUNDS*, Vol. 830, Num. 4, Page 1-10, July 2020,
- Masoud Alizadeh Shamsabadi, Pirooz Marashi, Eslam Ranjbarnoodeh, Reza Shoja Razavi, J. P. Oliveira, "Dissimilar laser cladding of Inconel 718 powder on A-286 substrate: Microstructural evolution", *JOURNAL OF LASER APPLICATIONS*, Vol. 32, Num. 0, Page 1-9, May 2020,
- Delaram Salehzadeh, Zahra Sadeghian, Pirooz Marashi, "Enhanced protective properties of hydrothermally synthesized Ni(OH)<sub>2</sub>-YSZ/reduced graphene oxide (rGO) nanocomposite coating", *DIAMOND AND RELATED MATERIALS*, Vol. 101, Num. 1, Page 1-7, January 2020,
- Delaram Salehzadeh, Pirooz Marashi, Zahra Sadeghian, "Electrophoretic deposited Ni (OH)<sub>2</sub>-YSZ and NiO-YSZ nanocomposite coatings, microstructural and electrochemical evaluation", *SURFACE & COATINGS TECHNOLOGY*, Vol. 381, Num. 11, Page 1-8, November 2019,
- Maryam Azadeh, Movaffaq Kateb, Pirooz Marashi, "Determining phase transition using potential energy distribution and surface energy of Pd nanoparticles", *COMPUTATIONAL MATERIALS SCIENCE*, Vol. 170, Num. 12, Page 1-11, August 2019,

- 11 Mohsen Arab, Pirooz Marashi, "Effect of Graphene Nanoplatelets (GNPs) Content on Improvement of Mechanical and Tribological Properties of AZ31 Mg Matrix Nanocomposite", *TRIBOLOGY INTERNATIONAL*, Vol. 132, Num. 0, Page 1-5, January 2019,
- 12 Omid Abedini, Mohsen Behroozi, Pirooz Marashi, Eslam Ranjbarnoodeh, Majid Pouranvari, "Intercritical Heat Treatment Temperature Dependence of Mechanical Properties and Corrosion Resistance of Dual Phase Steel", *MATERIALS RESEARCH-IBERO-AMERICAN JOURNAL OF MATERIALS*, Vol. 22, Num. 1, Page 1-10, January 2019,
- 13 Mohsen Arab, Pirooz Marashi, "Graphene Nanoplatelet (GNP)-Incorporated AZ31 Magnesium Nanocomposite: Microstructural, Mechanical and Tribological Properties", *TRIBOLOGY LETTERS*, Vol. 66, Num. 156, Page 1-11, December 2018,
- 14 Mohammad Reza Ghaani, Pirooz Marashi, "L16 orthogonal design synthesis of NASICON-Type Li<sub>1.4</sub>Al<sub>0.4</sub>Ti<sub>1.6</sub>(PO<sub>4</sub>)<sub>3</sub> solid electrolyte by Pechini method for process optimization", *Iranian Journal of Materials Science and Engineering*, Vol. 15, Num. 3, Page 60-71, September 2018,
- 15 Ali Talebi Hanzaei, Pirooz Marashi, Eslam Ranjbarnoodeh, A. Hamdollahzadeh, "The Effect of Hydrogen Content and Welding Conditions on the Hydrogen Induced Cracking of the API X70 steel weld", , Vol. 4, Num. 1, Page 29-41, August 2018,
- 16 Rouhollah Ashiri, Pirooz Marashi, Yeong-Do Park, "Weld Processing and Mechanical Responses of 1-GPa TRIP Steel Resistance Spot Welds", *WELDING JOURNAL*, Vol. 97, Num. 5, Page 157-169, May 2018,
- 17 Ali Talebi Hanzaei, Pirooz Marashi, Eslam Ranjbarnoodeh, "The effect of hydrogen content and welding conditions on the hydrogen induced cracking of the API X70 steel weld", *INTERNATIONAL JOURNAL OF HYDROGEN ENERGY*, Vol. 43, Num. 19, Page 9399-9407, April 2018,
- 18 Omid Abedini, Eslam Ranjbarnoodeh, Pirooz Marashi, "Effect of tool geometry and welding parameters on the microstructure and static strength of the friction stir welded DP780 dual phase steels", *MATERIALI IN TEHNOLOGIJE*, Vol. 51, Num. 4, Page 687-694, August 2017,
- 19 Masoud Alizadeh Shamsabadi, Pirooz Marashi, "Resistance spot welding of dissimilar austenitic/duplex stainless steels: Microstructural evolution and failure mode analysis", *Journal of Manufacturing Processes*, Vol. 28, Num. 0, Page 186-196, June 2017,
- 20 Amir Jahangiri, Pirooz Marashi, M. Mohammadaliha, Vahid Ashofteh, "The effect of pressure and pouring temperature on the porosity, microstructure, hardness and yield stress of AA2024 aluminum alloy during the squeeze casting process", *JOURNAL OF MATERIALS PROCESSING TECHNOLOGY*, Vol. 245, Num. 1, Page 1-6, February 2017,
- 21 Yasaman Niknafs, Amirmostafa Amirjani, Pirooz Marashi, Davoud Haghshenas, "Synthesis of Ag-Cu and Ag-Cu<sub>2</sub>O alloy nanoparticles using a seed-mediated polyol process, thermodynamic and kinetic aspects", *MATERIALS CHEMISTRY AND PHYSICS*, Vol. 189, Num. 0, Page 1-17, December 2016,
- 22 Hassan Eizadi, Pirooz Marashi, "On the resistance spot welding of four-sheet stack of unequal sheet thickness", *SCIENCE AND TECHNOLOGY OF WELDING AND JOINING*, Vol. 21, Num. 8, Page 632-635, October 2016,
- 23 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*, Vol. 184, Num. 10, Page 130-137, October 2016,
- 24 H. L. Jaber, Majid Pouranvari, K. Salim, F. A. Hashim, Pirooz Marashi, "Peak load and energy absorption of DP600 advanced steel resistance spot welds", *IRONMAKING & STEELMAKING*, Vol. 44, Num. 9, Page 699-706, September 2016,
- 25 Pirooz Marashi, "DISSIMILAR SPOT WELDING OF DQSK/DP600 STEELS: THE WELD-NUGGET GROWTH", *MATERIALI IN TEHNOLOGIJE*, Vol. 50, Num. 5, Page 761-765, May 2016,
- 26 Majid Pouranvari, Mohammad Khorrarifar, Pirooz Marashi, "Ferritic-austenitic stainless steels dissimilar resistance spot welds: metallurgical and failure characteristics", *SCIENCE AND TECHNOLOGY OF WELDING AND JOINING*, Vol. 21, Num. 6, Page 438-445, April 2016,
- 27 Atiyeh Nekahi, Pirooz Marashi, Davoud Haghshenas, "Modified structure of graphene oxide by investigation of structure evolution", *BULLETIN OF MATERIALS SCIENCE*, Vol. 38, Num. 7, Page 1717-1722, December 2015,

- 28 Amirmostafa Amirjani, Pirooz Marashi, Davoud Haghshenas, "The effect of agitation state on polyol synthesis of silver nanowire", *International Nano Letters*, Vol. 6, Num. 1, Page 41-44, November 2015,
- 29 Mahshid Poornajar, Pirooz Marashi, Davoud Haghshenas, Mohammadreza Kolahdouz Esfahani, "Synthesis of ZnO nanorods via chemical bath deposition method: The effects of physicochemical factors", *CERAMICS INTERNATIONAL*, Vol. 42, Num. 0, Page 173-184, November 2015,
- 30 Masoud Alizadeh Shamsabadi, Majid Pouranvari, Pirooz Marashi, "Welding metallurgy of stainless steels during resistance spot welding Part II-heat affected zone and mechanical performance", *SCIENCE AND TECHNOLOGY OF WELDING AND JOINING*, Vol. 20, Num. 6, Page 512-521, October 2015,
- 31 Majid Pouranvari, Masoud Alizadeh Shamsabadi, Pirooz Marashi, "Welding metallurgy of stainless steels during resistance spot welding Part I: fusion zone", *SCIENCE AND TECHNOLOGY OF WELDING AND JOINING*, Vol. 20, Num. 6, Page 502-511, October 2015,
- 32 Majid Pouranvari, Pirooz Marashi, Hassanen Latif Jaber, "DP780 DUAL-PHASE-STEEL SPOT WELDS: CRITICAL FUSION-ZONE SIZE ENSURING THE PULL-OUT FAILURE MODE", *MATERIALI IN TEHNOLOGIJE*, Vol. 49, Num. 4, Page 579-585, October 2015,
- 33 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*, Vol. 10, Num. 18, Page 1387-1400, October 2015,
- 34 Maryam Sadat Hosseini, Davoud Haghshenas, Pirooz Marashi, "Synthesis of different copper nanostructures by the use of polyol technique", *APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING*, Vol. 120, Num. 8, Page 1579-1586, August 2015,
- 35 Hossein Tavakoli, S.Mohammad Musavi Khoei, Farzane Rasuli Nozari, Pirooz Marashi, Fatemeh Momeni, "Electrochemical and physical characteristics of the steel treated by plasma-electrolysis boronizing", *SURFACE & COATINGS TECHNOLOGY*, Vol. 276, Num. 8, Page 529-533, August 2015,
- 36 Majid Pouranvari, Pirooz Marashi, Masoud Alizadeh Shamsabadi, "Welding Metallurgy of Dissimilar AISI 430/DQSK Steels Resistance Spot Welds", *WELDING JOURNAL*, Vol. 94, Num. 6, Page 203-210, June 2015,
- 37 Mina Salehi, Pirooz Marashi, Maryam Salehi, Reza Ghanad, "Optimization of the FeCo nanowire fabrication embedded in anodic aluminum oxide template by response surface methodology", *Journal of Ultrafine Grained and Nanostructured Materials-OPEN*, Vol. 47, Num. 1, Page 27-35, January 2015,
- 38 Masoud Alizadeh Shamsabadi, Pirooz Marashi, Majid Pouranvari, "Microstructure-properties relationships in martensitic stainless steel resistance spot", *SCIENCE AND TECHNOLOGY OF WELDING AND JOINING*, Vol. 19, Num. 7, Page 595-602, August 2014,
- 39 H. L. Jaber, Majid Pouranvari, Pirooz Marashi, Masoud Alizadeh Shamsabadi, R. K. Salim, F. A. Hashim, "Dissimilar spot welding of dual phase steel/ferritic stainless steel: phase transformations", *SCIENCE AND TECHNOLOGY OF WELDING AND JOINING*, Vol. 19, Num. 7, Page 565-571, August 2014,
- 40 A. Amirjani, Pirooz Marashi, Davoud Haghshenas, "The effects of physicochemical parameters on the synthesis of silver nanowires via polyol method", *International Nano Letters*, Vol. 4, Num. 108, Page 1-5, May 2014,
- 41 Atiyeh Nekahi, Pirooz Marashi, Davoud Haghshenas, "Transparent conductive thin film of ultra large reduced graphene oxide monolayers", *APPLIED SURFACE SCIENCE*, Vol. 295, Num. 295, Page 59-65, February 2014,
- 42 Masoud Alizadeh Shamsabadi, Pirooz Marashi, Majid Pouranvari, "Resistance spot welding of AISI 430 ferritic stainless steel: Phase transformations and mechanical properties", *MATERIALS & DESIGN*, Vol. 56, Num. 1, Page 258-263, January 2014,
- 43 Elahe Akbari, Nooshin Sadat Ayati, Pirooz Marashi, "Influence of deposition voltage on growth of ZnO nanowires by cathodic electrodeposition", *Advanced Materials Research (AMR)*, Vol. 829, Num. 1, Page 732-736, January 2014,
- 44 Amirmostafa Amirjani, Pirooz Marashi, Davoud Haghshenas Fatmehsari, "Effect of AgNO<sub>3</sub> addition rate on aspect ratio of CuCl<sub>2</sub>-mediated synthesized silver nanowires using response surface methodology", *COLLOIDS AND SURFACES A-PHYSICO-CHEMICAL AND ENGINEERING ASPECTS*, Vol. 444, Num. 1, Page 33-39, January 2014,
- 45 Hossein Tavakoli, S.Mohammad Musavi Khoei, Pirooz Marashi, S.A. Hosseini Mogadam, "Characterization of submicron-size layer produced by pulsed bipolar plasma electrolytic carbonitriding", *JOURNAL OF ALLOYS AND COMPOUNDS*, Vol. 1, Num. 583, Page 382-389, January 2014,

- 46 Nooshin Sadat Ayati, Elahe Akbari, Pirooz Marashi, Shahyar Saramad, "Template assisted Growth of Zinc Oxide-based nanowires and piezoelectric properties", *Advanced Materials Research (AMR)*, Vol. 829, Num. 1, Page 757-761, December 2013,
- 47 Majid Pouranvari, Pirooz Marashi, "Critical review of automotive steels spot welding: process, structure and properties", *SCIENCE AND TECHNOLOGY OF WELDING AND JOINING*, Vol. 0, Num. 0, Page 0-0, April 2013,
- 48 Masoud Alizadeh Shamsabadi, Farnoosh Falsafi, Maryam Masoumi, Pirooz Marashi, Majid Pouranvari, "Laser spot welding of AISI 304L: metallurgical and mechanical properties", *IRONMAKING & STEELMAKING*, Vol. 0, Num. 0, Page 0-0, April 2013,
- 49 Hossein Tavakoli, S.Mohammad Musavi Khoei, Pirooz Marashi, Lomid Bolhasani, "Effect of Electrolyte Composition on Characteristics of Plasma Electrolysis Nitrocarburizing", *JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE*, Vol. 0, Num. 0, Page 0-0, February 2013,
- 50 Faezeh Ejehei, Pirooz Marashi, Mohammadreza Ghaani, Davoud Haghshenas Fatmehsari, "The synthesis of NaSiCON-type  $ZrNb(PO_4)_3$  structure by the use of Pechini method", *CERAMICS INTERNATIONAL*, Vol. 38, Num. 8, Page 6857-6863, December 2012,
- 51 Majid Pouranvari, Pirooz Marashi, "Failure Mode Transition in AISI 304 Resistance Spot Welds", *WELDING JOURNAL*, Vol. 91, Num. 11, Page 303-309, November 2012,
- 52 Majid Pouranvari, Pirooz Marashi, "Failure Behavior of Three-Steel Sheets Resistance Spot Welds: Effect of Joint Design", *JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE*, Vol. 21, Num. 8, Page 1669-1675, August 2012,
- 53 Eskandar Keshavarz Alamdari, Dariush Darvishi, M. Samadi Khoshkhoo, F.A. Javid, Pirooz Marashi, "On the way to develop co-containing lead anodes for zinc electrowinning", *HYDROMETALLURGY*, Vol. 119-120, Num. 0, Page 77-86, May 2012,
- 54 Majid Pouranvari, Pirooz Marashi, "On failure mode of resistance spot welded DP980 advanced high strength steel", *CANADIAN METALLURGICAL QUARTERLY*, Vol. 51, Num. 4, Page 447-455, April 2012,
- 55 Dorsasadat Safanama, Pirooz Marashi, Majid Pouranvari, "Similar and dissimilar resistance spot welding of martensitic advanced high strength steel and low carbon steel: metallurgical characteristics and failure mode transition", *SCIENCE AND TECHNOLOGY OF WELDING AND JOINING*, Vol. 17, Num. 4, Page 288-294, March 2012,
- 56 Mohammad Hosein Rahimi, S.Hadi Tabaian, Pirooz Marashi, Shahyar Saramad, Mohsen Arab, Ali Hemasian, "Heat treatment of aluminum in preparing porous anodic alumina templates", *MICRO & NANO LETTERS*, Vol. 7, Num. 2, Page 125-129, February 2012,
- 57 Majid Pouranvari, Pirooz Marashi, "Failure of resistance spot welds: tensile shear versus coach peel loading conditions", *IRONMAKING & STEELMAKING*, Vol. 39, Num. 2, Page 104-111, February 2012,
- 58 Majid Pouranvari, Pirooz Marashi, "Weld nugget formation and mechanical properties of three-sheet resistance spot welded low carbon steel", *CANADIAN METALLURGICAL QUARTERLY*, Vol. 51, Num. 1, Page 105-109, January 2012,
- 59 Dorsasadat Safanama, Pirooz Marashi, Alireza Zolfaghari Hesari, Sadegh Firoozi, Seyed Hamed Aboutalebi, Somayeh Jalilzadeh, "ELASTIC MODULUS MEASUREMENT OF NANOCOMPOSITE MATERIALS BY ATOMIC FORCE MICROSCOPY", *International Journal of Modern Physics:Conference Series(IJMPCS)*, Vol. 5, Num. 1, Page 502-509, January 2012,
- 60 Tina Shadloo, Sadegh Firoozi, Pirooz Marashi, Alireza Zolfaghari Hesari, Masih Rezaee, Somayeh Jalilzadeh, "DETERMINATION OF THE ADHESION PROPERTIES OF MICA VIA ATOMIC FORCE SPECTROSCOPY", *International Journal of Modern Physics:Conference Series(IJMPCS)*, Vol. 5, Num. 1, Page 33-40, January 2012,
- 61 Majid Pouranvari, Pirooz Marashi, "Dissimilar Spot Welds of AISI 304/AISI 1008: Metallurgical and Mechanical Characterization", *STEEL RESEARCH INTERNATIONAL*, Vol. 82, Num. 12, Page 1355-1361, December 2011,
- 62 Majid Pouranvari, Pirooz Marashi, Dorsasadat Safanama, "Failure mode transition in AHSS resistance spot welds. Part II: Experimental investigation and model validation", *MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING*, Vol. 528, Num. 29, Page 8344-8352, November 2011,

- 63 Majid Pouranvari, Pirooz Marashi, "Failure mode transition in AHSS resistance spot welds. Part I. Controlling factors", *MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING*, Vol. 528, Num. 29, Page 8337-8343, November 2011,
- 64 Majid Pouranvari, Pirooz Marashi, Mostafa Mousavizadeh, "Dissimilar resistance spot welding of DP600 dual phase and AISI 1008 low carbon steels: correlation between weld microstructure and mechanical properties", *IRONMAKING & STEELMAKING*, Vol. 38, Num. 6, Page 471-480, August 2011,
- 65 Amir Abedi, Pirooz Marashi, Kajal Sohrabi, Seyed Mohammad Marvastian, Seyed Mohammad H. Mirbagheri, "The effect of heat treatment parameters on microstructure and toughness of autempered ductile iron (ADI)", *Advanced Materials Research (AMR)*, Vol. 264-265, Num. 1, Page 409-414, June 2011,
- 66 Seyedeh Nooshin Mortazavi, Pirooz Marashi, Majid Pouranvari, Maryam Masoumi, "Investigation on joint strength of dissimilar resistance spot welds of aluminum alloy and low carbon steel", *Advanced Materials Research (AMR)*, Vol. 264, Num. 1, Page 384-389, June 2011,
- 67 Majid Pouranvari, Mostafa Mousavizadeh, Pirooz Marashi, Masoud Goodarzi, Masoud Ghorbani, "Influence of fusion zone size and failure mode on mechanical performance of dissimilar resistance spot welds of AISI 1008 low carbon steel and DP600 advanced high strength steel", *MATERIALS & DESIGN*, Vol. 32, Num. 3, Page 1390-1398, March 2011,
- 68 Majid Pouranvari, Pirooz Marashi, "Critical sheet thickness for weld nugget growth during resistance spot welding of three-steel sheets", *SCIENCE AND TECHNOLOGY OF WELDING AND JOINING*, Vol. 6, Num. 2, Page 162-165, February 2011,
- 69 Ali Tavassolizadeh, Pirooz Marashi, Majid Pouranvari, "Mechanical performance of three thickness resistance spot welded low carbon steel", *MATERIALS SCIENCE AND TECHNOLOGY*, Vol. 27, Num. 1, Page 219-224, January 2011,
- 70 Majid Pouranvari, Pirooz Marashi, "Resistance Spot Welding of Unequal Thickness Low Carbon Steel Sheets", *Advanced Materials Research (AMR)*, Vol. 83-86, Num. 1, Page 1205-1211, January 2011,
- 71 Maryam Masoumi, Pirooz Marashi, Majid Pouranvari, "Metallurgical and Mechanical characterization of laser spot welded low carbon steel sheets", *STEEL RESEARCH INTERNATIONAL*, Vol. 81, Num. 12, Page 1144-1150, December 2010,
- 72 Majid Pouranvari, Pirooz Marashi, "Resistance spot welding of AISI304 stainless steel and AISI1008 low carbon steel: macrocharacteristics, microcharacteristics and mechanical properties interrelations", , Vol. 4, Num. 2, Page 35-49, December 2010,
- 73 Majid Pouranvari, Pirooz Marashi, "The effect of expulsion on the energy absorption of low carbon steel resistance spot welds", *Majlesi Journal of Mechanical Engineering*, Vol. 4, Num. 2, Page 43-48, December 2010,
- 74 Mina Salehi, Pirooz Marashi, "Investigation of the influence of temperature and pH on the magnetic properties of Fe<sub>x</sub>Co<sub>1-x</sub> nanowires embedded in porous anodic alumina template using response surface methodology", , Vol. 13, Num. 39, Page 45-50, December 2010,
- 75 Majid Pouranvari, Pirooz Marashi, Seyed Mostafa Mousavizadeh, "The Effect of Welding Parameters on the Tensile-Shear Performance of Dissimilar DP600/St14 Resistance Spot Welds", *AIP Advances -American Institute of Physics*, Vol. 1, Num. 1, Page 831-836, December 2010,
- 76 Pirooz Marashi, Majid Pouranvari, Mina Salehi, Amir Abedi, Saeed Kaviani, "Overload failure behaviour of dissimilar thickness resistance spot welds during tensile shear test", *MATERIALS SCIENCE AND TECHNOLOGY*, Vol. 26, Num. 10, Page 1220-1225, October 2010,
- 77 Majid Pouranvari, Pirooz Marashi, "On the failure of low carbon steel resistance spot welds in quasi-static tensile-shear loading", *MATERIALS & DESIGN*, Vol. 31, Num. 8, Page 3647-3652, September 2010,
- 78 Majid Pouranvari, Pirooz Marashi, "Factors affecting mechanical properties of resistance spot welds", *MATERIALS SCIENCE AND TECHNOLOGY*, Vol. 26, Num. 9, Page 1137-1144, September 2010,
- 79 Majid Pouranvari, Pirooz Marashi, Masoud Goodarzi, "Failure mode transition and mechanical properties of similar and dissimilar resistance spot welds of DP600 and low carbon steels", *SCIENCE AND TECHNOLOGY OF WELDING AND JOINING*, Vol. 15, Num. 7, Page 625-631, July 2010,



- 80 Fariba Nikoosohbat, Shahram Kheirandish, Masoud Goodarzi, Majid Pouranvari, Pirooz Marashi, "Microstructure and failure behaviour of resistance spot welded DP980 dual phase steel", *MATERIALS SCIENCE AND TECHNOLOGY*, Vol. 26, Num. 6, Page 0-0, June 2010,
- 81 Majid Pouranvari, Pirooz Marashi, "Minimum fusion zone size required to ensure pullout failure mode of resistance spot welds during tensile-shear test", *KOVOVE MATERIALY-METALLIC MATERIALS*, Vol. 48, Num. 3, Page 197-202, March 2010,
- 82 Majid Pouranvari, Pirooz Marashi, "Key factors influencing mechanical performance of dual phase steel resistance spot welds", *SCIENCE AND TECHNOLOGY OF WELDING AND JOINING*, Vol. 15, Num. 2, Page 149-155, February 2010,
- 83 Majid Pouranvari, Pirooz Marashi, "Similar and dissimilar RSW of low carbon and austenitic stainless steels: effect of weld microstructure and hardness profile on failure mode", *MATERIALS SCIENCE AND TECHNOLOGY*, Vol. 25, Num. 12, Page 1411-1416, December 2009,
- 84 Mohammad Hosein Rahimi, Shahyar Saramad, S.Hadi Tabaian, Pirooz Marashi, [en-name N/A], "Study the effect of striping in two-step anodizing process on pore arrangement of nano-porous alumina", *Applied Surface Science*, Vol. 256, Num. 12, Page 0-0, October 2009,
- 85 Majid Pouranvari, Pirooz Marashi, Mostafa Mousavizadeh, "Microstructure and failure behavior of dissimilar resistance spot welding of DP600 and low carbon St14 steels", , Vol. 3, Num. 3, Page 15-27, September 2009,
- 86 [en-name N/A], [en-name N/A], Pirooz Marashi, Nader Parvin, "The effect of intercritical heat treatment temperature on the tensile properties and work hardening behavior of ferrite-martensite dual phase steel sheets", , Vol. , Num. 518, Page 0-0, August 2009,
- 87 Maryam Salari, Masih Rezaee, Pirooz Marashi, "Solid State Preparation of TiO<sub>2</sub> Nanoparticles in Optimal NaCl: TiOSO<sub>4</sub> Weight Ratio and Milling Time", *JOURNAL OF NANO RESEARCH*, Vol. 6, Num. 6, Page 1-7, June 2009,
- 88 Mahmoud Goudarzi, Pirooz Marashi, Majid Pouran-Vary, "Dependence of overload performance on weld attributes for resistance spot welded galvanized low carbon steel", , Vol. , Num. 209, Page 0-0, May 2009,
- 89 Pirooz Marashi, C.M Davies, "Effect of Melt-Spinning Roll Speed on the Nanostructure and Magnetic Properties of Stoichiometric and Near Stoichiometric Nd-Fe-B Alloy Ribbons", , Vol. , Num. 42, Page 0-0, May 2009,
- 90 Maryam Salari, Masih Rezaee, Pirooz Marashi, Seyed Hamed Aboutalebi, "The role of the diluent phase in the mechanochemical preparation of TiO<sub>2</sub> nanoparticles", *POWDER TECHNOLOGY*, Vol. 192, Num. 1, Page 54-57, May 2009,
- 91 Maryam Salari, S.Mohammad Musavi Khoei, Pirooz Marashi, Masih Rezaee, "Synthesis of TiO<sub>2</sub> nanoparticles via a novel mechanochemical method", , Vol. , Num. 469, Page 0-0, February 2009,
- 92 Majid Pouranvari, Pirooz Marashi, "FAILURE BEHAVIOUR OF RESISTANCE SPOT WELDED LOW CARBON STEEL IN TENSILE-SHEAR AND COACH-PEEL TESTS: A COMPARATIVE STUDY", *METALURGIJA*, Vol. 15, Num. 3, Page 149-155, February 2009,
- 93 Pirooz Marashi, Majid Pouran-Vary, [en-name N/A], [en-name N/A], [en-name N/A], "Relationship Between Failure Behaviour and Weld Fusion Zone Attributes of Austenitic Stainless Steel Resistance Spot Welds", , Vol. , Num. 12, Page 0-0, November 2008,
- 94 Nader Parvin, Reza Asadifard, Payman Saffarzadeh, Shahab Sheibany, Pirooz Marashi, "Preparation and mechanical properties of SiC-reinforced Al6061 composite by mechanical alloying", , Vol. , Num. 492, Page 0-0, September 2008,
- 95 Maryam Salari, Masih Rezaee, S.Mohammad Musavi Khoei, Pirooz Marashi, "Effect of Milling Time on Mechanochemical Synthesis of Tio<sub>2</sub> Nanoparticles", , Vol. , Num. 22, Page 0-0, August 2008,
- 96 Pirooz Marashi, Majid Pouran-Vary, [en-name N/A], [en-name N/A], [en-name N/A], "Microstructure and failure behavior of dissimilar resistance spot welds between low carbon galvanized and austenitic stainless steels", *Materials Science and Engineering A*, Vol. , Num. 480, Page 0-0, May 2008,
- 97 Mohammad Hosein Rahimi, S.Hadi Tabaian, Pirooz Marashi, [en-name N/A], [en-name N/A], Shahyar Saramad, Ahmad Ramezani, "The Effect of Aluminum Electropolishing on Nano-Pores Arrangement in Anodic Alumina Membranes", *INTERNATIONAL JOURNAL OF MODERN PHYSICS B*, Vol. , Num. 0, Page 0-0, May 2008,

- 98 Majid Pouran-Vary, Ahmad Abedi, Pirooz Marashi, [en-name N/A], "Effect of Expulsion on Peak Load and Energy Absorption of Low Carbon Steel Resistance Spot Welds", , Vol. , Num. 1, Page 0-0, January 2008,
- 99 [en-name N/A], Majid Nurmohammadi, Mohammad Zarei, Pirooz Marashi, "Optimum Self -Ordered Nanopore Arrays With 130-270 NM Interpore Distances Formed By Hard Anodization in Sulfuric/Oxalic Acid Mixtures", , Vol. , Num. 40, Page 0-0, November 2007,
- 100 Majid Pouranvari, Pirooz Marashi, Masoud Goodarzi, Hamed Bahmanpur, "Metallurgical Factors Affecting Failure Mode of Resistance Spot Welds", *MATERIALS SCIENCE AND TECHNOLOGY*, Vol. 1, Num. 1, Page 2465-2473, October 2007,
- 101 Maryam Salari, Masih Rezaee, S.Mohammad Musavi Khoei, Pirooz Marashi, [en-name N/A], "Titanium Oxide Synthesis Methods", , Vol. , Num. 10, Page 0-0, July 2007,
- 102 Majid Pouran-Vary, Hamid Reza Asghary, Pirooz Marashi, Mahmoud Goudarzi, "Effect of Weld Nugget Size on Overload Failure Mode of Resistance Spot Welds", , Vol. , Num. 3, Page 0-0, January 2007,
- 103 Seyed Reza Younesi, [en-name N/A], Eskandar Keshavarz Alamdari, Pirooz Marashi, "Kinetic Mechanisms of Cementation of Cadmium Ions by Zinc Powder From Sulphate Solutions", , Vol. , Num. 84, Page 0-0, November 2006,
- 104 [en-name N/A], Pirooz Marashi, "Tem investigation of rapidly solidified NdFeB hard magnetic material", , Vol. , Num. 3, Page 0-0, April 2004,
- 105 Pirooz Marashi, "MFM of Nanocrystalline NdFeB:a Study of The Effect of Processing Rout on The Micromagnetic Structure", , Vol. , Num. , Page 0-0, January 1998,

## مقالات کنفرانس
















### داده های ثبت شده در پورتال

- 1 Masoud Bastani, Eslam Ranjbarnoodeh, Pirooz Marashi, Mohammad Abdolvand, "Investigation of the effect of E8010, E8018 electrodes, Size and Preheat on substructures and mechanical properties of SMAW welded X70 pipeline ", 5th international conference on materials engineering&metallurgy, November 2016
- 2 Zohreh Tajbakhshjou, Eslam Ranjbarnoodeh, Ali Farzadi, Pirooz Marashi, "Finite element simulation of heat transfer during pulsed laser welding of dissimilar joint of low carbon steel to stainless steel ", 16th National conference on welding and inspection, December 2015
- 3 Maral Afshar, Pirooz Marashi, Davoud Haghshenas, Amirmostafa Amirjani, "Synthesis of Ag-Cu<sub>2</sub>O one dimensional nanostructures by Polyol method ", 3rd International Engineering Materials & metallurgy, November 2015
- 4 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
- 5 Mohsen Rezaei Shahmirzadi, Pirooz Marashi, Shahyar Saramad, "Investigating the effect of alpha irradiation on the order of Anodic Aluminum Oxide (AAO) template, prepared by anodizing method. ", 4th International Conference & 9th Congress Iranian Metallurgical & Materials Engineering Society & Iranian Foundrymen Society, November 2015
- 6 Shima Ghaemi, Pirooz Marashi, Movafagh Kateb, "Molecular dynamic simulation of the effect of point defect on zinc oxide nanowire ", Third national nano conference (from theory to application), February 2015
- 7 Maral Afshar, Amir Mostafa Amirjani, Pirooz Marashi, Davoud Haghshenas, "The influence of phisicochemical parameters on synthesized Copper nanostructures by polyol method ", The 3rd National Conference on Nanotechnology from Theory to application, February 2015
- 8 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

- 9 Mohammad Rahmati, Pirooz Marashi, Movafagh Kateb, "Molecular dynamic simulation of Cu nanoparticle behavior during surface indentations ", 8th Congress & 3rd International Engineering Materials & Metallurgy Conference, November 2014
- 10 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
- 11 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
- 12 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
- 13 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
- 14 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
- 15 Mohammad Khoramifar, Pirooz Marashi, Majid Pouranvari, "Resistance spot welding of dissimilar AISI 430 ferritic and AISI 304 austenitic stainless steels: Failure mode and mechanical properties ", The 22nd Annual International Conference on Mechanical Engineering, ISME2014, April 2014
- 16 Amirmostafa Amirjani, Faezeh , Pirooz Marashi, Davoud Haghshenas, "Agitation-based Shape Controlled Synthesize of Silver Nanocrystals ", 5th International Conference on Nanostructures (ICNS5), March 2014
- 17 Maryam Sadat Hosseini, Pirooz Marashi, Davoud Haghshenas, "Soft and facile synthesis and size control of Copper one dimensional nanostructures using polyol method ", 4th International Conference on Ultrafine Grained and Nano-Structured Materials, November 2013
- 18 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
- 19 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
- 20 Abbas Rashvand, Pirooz Marashi, "Investigation of microstructure and hardness of AZ31/TiB2 surface composite produced by Friction Stir Processing (FSP) ", 4th International Conference on Materials Heat Treatment (ICMH) and 2nd International Congress on New and Advanced Materials (NAMIC), August 2013
- 21 Nooshin Sadat Ayati, Elahe Akbari, Pirooz Marashi, "Influence of precipitation voltage on zinc nanowires growth in electrochemical route ", 1st National Congress and Workshop on Nanoscience and Nanotechnology, May 2013
- 22 Ahmadreza Nikkhoo, Pirooz Marashi, Majid Pouranvari, Masoud Alizadeh Shamsabadi, "The impact of welding current on the structure and mechanical properties of resistance spot welding of AISI 430 ferritic stainless steel ", 1st joint conference of the Sixth International Conference of Iranian Metallurgical Engineers Society, November 2012
- 23 Faezeh Ejehei, Pirooz Marashi, Hamid Sarkheil, Mohammad Reza Ghaani, Atiyeh Nekahi, "Synthesis of a New NASICON Structure by Pechini-Type Sol-Gel Method ", 4th International Conference on Nanostructures (ICNS4), March 2012
- 24 Shima Montazeri Namin, Pirooz Marashi, Shahyar Saramad, Atiyeh Nekahi, "PIEZOELECTRIC PROPERTIES OF ZNO NANOWIRE ARRAYS GROWN IN ORDERED ANODIC ALUMINUM OXIDE TEMPLATE ", 3rd International Conference on Ultrafine Grained and Nanostructured Materials, November 2011
- 25 Mohsen Arab, Pirooz Marashi, Saeedeh Yoonesian, Shahyar Saramad, "INFLUENCE OF LONG-TERM AND SHORT-TERM STRIPPING ON THE FINAL NANOPORES ARRANGEMENT BY TOW-STEP ANODIZING ", International Congress on Nanoscience and Nanotechnology, November 2010

- 26 Maryam Salari, Mahmoud Abbaci, Yadollah Gahngkhanlou, Seyed Hamed Aboutalebi, Pirooz Marashi, Alireza Zolfaghari Hesari, "Microstructural Evaluation of Mechanochemically Synthesized Nanocrystalline TiO<sub>2</sub> Powder via Rietveld Refinement Method ", International Conference on Nanotechnology: Fundamentals and Applications, August 2010
- 27 Dorsasadat Safanama, Alireza Zolfaghari Hesari, Seyed Hamed Aboutalebi, Pirooz Marashi, Somayeh Jalilzadeh, "Distant Dependent Measurement of Elastic Modulus of Polymer Nanocomposite Fibers via Atomic Force Spectroscopy ", International Conference on Nanotechnology: Fundamentals and Applications, August 2010
- 28 Tina Shadloo, Pirooz Marashi, Alireza Zolfaghari Hesari, Masih Rezaee, Somayeh Jalilzadeh, "Adhesion Forces on Polymer Hybrid Materials by Distant Dependant Measurement ", INTERNATIONAL CONFERENCE ON NANOTECHNOLOGY: FUNDAMENTALS AND APPLICATIONS,, August 2010
- 29 Majid Pouranvari, Pirooz Marashi, Ali Tavassolizadeh, "R09169- MECHANICAL PROPERTIES OF THREE THICKNESS RESISTANCE SPOT WELDS FOR LOW CARBON STEEL ", 2nd international Conference on Recent Advances in Material Processing Technology, January 2010
- 30 Majid Pouranvari, Pirooz Marashi, Zahed Salimi, "R09167-EFFECT OF PROCESS PARAMETERS ON MECHANICAL PERFORMANCE OF LOW CARBON STEEL RESISTANCE SPOT WELDS ", 2nd international Conference on Recent Advances in Material Processing Technology, January 2010
- 31 Bahram Shayegh, Majid Pouranvari, Pirooz Marashi, "R09165- EFFECT OF MARTENSITE VOLUM FRACTION ON TENSILE PROPERTIES OF DUAL PHASE STEELS ", 2nd international Conference on Recent Advances in Material Processing Technology, January 2010
- 32 Sadegh Firoozi, Pirooz Marashi,, "Determination of the Adhesion Properties of Mica via Atomic Force Spectroscopy ", 2nd International Conference on Ultrafine Grained and Nanostructured Materials, November 2009
- 33 Mina Salehi, Pirooz Marashi, "Investigating the effects of temperature and pH on the magnetic properties of FeCo<sub>1-x</sub> nanowires synthesized in porous anodized alumina template by surface response ", 3rd Joint Conference of Iran Metallurgical Engineers and Casting Scientific Society, November 2009
- 34 Majid Pouranvari, Seyed Mostafa Mousavizadeh, Pirooz Marashi, Masoud Goodarzi, Masoud Ghorbani, "Effect of failure on the mechanical properties of dissimilar resistance spot welds between DP600 and St14 Steels ", IIW International Congress on Welding and Joining, November 2009
- 35 Maryam Masoumi, Pirooz Marashi, Majid Pouranvari, Jamshid Sabbaghzadeh, Mohammad Javad Torkamany, "Assessment of the effect of laser spot welding parameters on the joint quality using Taguchi method ", 18th International Metallurgical & Materials Conference, METAL 2009, May 2009
- 36 Pirooz Marashi, "effect of temperature and pressure of squeeze casting on porosity and density of AA2024 alloy ", , April 2009
- 37 Mina Salehi, Pirooz Marashi, Majid Pouranvari, Masoud Goodarzi, "Structure and failure behavior of resistance spot welding of similar thickness, low carbon steel sheets ", Steel Syposium 87, March 2009
- 38 [en-name N/A], Mohammad Hossein Rahimi, S.Hadi Tabaian, Pirooz Marashi, "The effect of aluminum electropolishing on nano pores arrangement in AAMs ", International Conference on Ultrafine Grained and Nanostructured Materials, November 2008
- 39 Mohsen Arab, Pirooz Marashi, "The effect of oxalic acid concentration and stripping time on nanopore ordering in anodic alumina ", 2nd International Nano Science and Nano Technology Congress, October 2008
- 40 Gholamreza Heidari, S.Mohammad Musavi Khoei, Abdolkhalegh Hasanzadeh, Pirooz Marashi, H. Keshmiri, A. Shahhosseini, "Investigation of zinc thermal diffused coatings by solid state diffusion method ", Materials Science and Technology 2008, October 2008
- 41 Majid Pouran-Vary, Pirooz Marashi, "Failure behavior of low carbon steel resisyance spot welds under tensile shear and coach peel static loading condition ", , May 2008
- 42 Majid Pouran-Vary, Pirooz Marashi, "Failure mode of dissimilar resistance spot welds between austenitic stainless and low carbon steels ", , May 2008
- 43 Majid Pouran-Vary, Pirooz Marashi, "An analytical model predicting failure mode of resistance spot welds ", , May 2008

- 44 S.Mohammad Musavi Khoei, Seyyed Ali Azimifar, Atena Mirhashemi, Pirooz Marashi, "Comparing diffusion in nanocrystals produced by surface severe plastic deformation (S. S. P. D.) and conventional coarse grains ", 9th Surface Engineering and Heat Treatment Seminar, May 2008
- 45 Seyyed Ali Azimifar, Atenasadat Mirhashemi Rootah, S.Mohammad Musavi Khoei, Pirooz Marashi, "Kinetic and thermodynamic investigation of nitriding of nanocrystals produced by surface severe plastic deformation (S. S. P. D.) ", 9th Surface Engineering and Heat Treatment Seminar, May 2008
- 46 Atena Mirhashemi, Seyyed Ali Azimifar, S.Mohammad Musavi Khoei, Pirooz Marashi, "Creating nanocrystalline surface layer by surface severe plastic deformation (S. S. P. D.) ", 9th Surface Engineering and Heat Treatment Seminar, May 2008
- 47 Majid Pouranvari, Pirooz Marashi, Masoud Goodarzi, "Failure mode of resistance spot welds during tensile-shear test: interfacial versus pullout ", 16 th. Annual (International) Conference on Mechanical Engineering-ISME2008, May 2008
- 48 Seyyed Ali Azimifar, Atena Mirhashemi, S.Mohammad Musavi Khoei, Pirooz Marashi, "Effect of surface severe plastic deformation (S. S. P. D.) time on surface properties of AISI304 austenitic stainless and ST12 steels ", 9th Surface Engineering and Heat Treatment Seminar, May 2008
- 49 Pirooz Marashi, "The effect of acid concentration on nano alumina particle size in sol gel method ", Iran Zeolite International Conference, April 2008
- 50 Maryam Salari, Masih Rezaee, S.Mohammad Musavi Khoei, Pirooz Marashi, [en-name N/A], "Effect on NaCl/TiOSO4 ratio on mechanochemical synthesis of TiO2 nanoparticles ", , March 2008
- 51 Seyed Ali Azimifar, S.Mohammad Musavi Khoei, Pirooz Marashi, "Effect of nanocrystal layer produced by surface severe plastic deformation (S. S. P. D.) on liquid nitriding and the properties of nitride layer ", 3rd Nanotechnology Student Conference, February 2008
- 52 Mohammad Hosein Rahimi, S.Hadi Tabaian, Pirooz Marashi, "Effect of oxide removing time between anodizing steps on final ordering of AAO ", 3rd Nanotechnology Student Conference, February 2008
- 53 Narges Asadpoor Chalo, Pirooz Marashi, [en-name N/A], "Measuring particle size and particle size distribution by x-ray diffraction methods for nanocrystalline alumina powders ", , November 2007
- 54 [en-name N/A], [en-name N/A], Pirooz Marashi, "Effect of annealing on single layer cocrpt Al2O3 nanostructured materials ", , November 2007
- 55 S.Mohammad Musavi Khoei, Pirooz Marashi, "Effect of Milling Time on Mechanochemical Synthesis of TiO2 Nanoparticles ", , November 2007
- 56 [en-name N/A], Hossein Zolfaghari, [en-name N/A], Pirooz Marashi, "Study of titanium oxide nanolayer as photoelectrochemical catalyst ", , November 2007
- 57 , S.Hadi Tabaian, Pirooz Marashi, Shahyar Saramad, "The effect of aluminum electropolishing on nano-pores arrangement in Anodic Alumina Membranes ", International Conference on Ultrafine Grained and Nanostructured Materials, November 2007
- 58 Narges Asadpoor Chalo, Pirooz Marashi, [en-name N/A], "Particle size and size distribution determined by x-ray diffraction in nanocrystalline alumina powders ", , November 2007
- 59 [en-name N/A], Pirooz Marashi, "Effect o annealing on single layer CoCrPr Al2O3 nanostructured materials ", , December 2006
- 60 [en-name N/A], Pirooz Marashi, "Study of Titanium Oxide Nanolayer as Photoelectrochemical Catalyst ", , December 2006
- 61 [en-name N/A], [en-name N/A], [en-name N/A], Pirooz Marashi, "Fabrication of ordered nonporous alumina and its characterization by atomic force microscope (AFM) ", , September 2005
- 62 [en-name N/A], Pirooz Marashi, "Study of ultrasonic effect on self-assembled nano arrays of anodic aluminum oxide by atomic force microscope ", , May 2005

#	عنوان درس	توصیف درس	سرفصل ها	دوره درسی
1	Materials Characterization and Analysis Techniques	1. Introducing analysis principles, 2. Analysis methods, 3. Selecting the right method		Spring 2022
2	Materials Characterization & Analysis Techniques Lab.	Applications of different analysis methods in materials science and engineering		Spring 2022
3	Advanced Methods of Materials Analysis	Describing advanced methods of materials analysis, especially those that have more applications in research projects		Spring 2022
4	Crystallography	Introducing different structures of crystalline material, their properties and the characterization methods		Spring 2022
5	Materials Characterization & Analysis Techniques Lab.	Applications of different analysis methods in materials science and engineering		Spring 2022
6	Materials Characterization & Analysis Techniques Lab.	Applications of different analysis methods in materials science and engineering		Fall 2021
7	Materials Characterization & Analysis Techniques Lab.	Applications of different analysis methods in materials science and engineering		Fall 2021
8	Lab of Advanced Methods of Materials Analysis	Practical training for some of the new characterization methods		Fall 2021
9	Crystallography	Introducing different structures of crystalline material, their properties and the characterization methods		Fall 2021
10	Materials Characterization and Analysis Techniques	1. Introducing analysis principles, 2. Analysis methods, 3. Selecting the right method		Fall 2021
11	Advanced Methods of Materials Analysis	Describing advanced methods of materials analysis, especially those that have more applications in research projects		Fall 2021
12	Materials Characterization and Analysis Techniques	1. Introducing analysis principles, 2. Analysis methods, 3. Selecting the right method		Spring 2021
13	Lab of Advanced Methods of Materials Analysis	Practical training for some of the new characterization methods		Spring 2021
14	Materials Characterization & Analysis Techniques Lab.	Practicing different analyzing methods		Spring 2021
15	Advanced Methods of Materials Analysis	Describing advanced methods of materials analysis, especially those that have more applications in research projects		Spring 2021
16	Crystallography	Introducing different structures of crystalline material, their properties and the characterization methods		Spring 2021
17	Materials Characterization & Analysis Techniques Lab.	Practicing different analyzing methods		Spring 2021

