



دانشگاه صنعتی امیرکبیر
(پلی تکنیک تهران)

پست الکترونیک:

leilanaji@aut.ac.ir

شماره تماس:

:(Scopus) h-index

16

:ارجاعات (Scopus):

811



لیلا ناجی

دانشیار

دانشکده شیمی

گروه آموزشی شیمی کاربردی و آلی

رساله‌های دکتری

#	عنوان پایان‌نامه	توسط	تاریخ دفاع
1	سنتر الکتروشیمیایی نانو ساختارهای وانادیوم اکسید برای بهبود عملکرد لایه انتقال دهنده حفره در سلولهای خورشیدی پلیمری	فاطمه حسن نژاد صابرسلیمی و لیلا ناجی	اسفند 1400
2	بررسی اثر فاصله لایه های اکسید گرافن لایه نشانی شده روی پلی اتر سولفون در فرآیندهای جداسازی غشایی	سولماز ولی زاده و لیلا ناجی	اسفند 1399
3	سنتر فوتوترمال و شیمیایی نانوکامپوزیت های اکسید گرافن احیاء شده به عنوان فوتوآند برای سلولهای خورشیدی پلیمری	زهرا فخران جدی و لیلا ناجی	مهر 1398
4	بررسی تاثیر رنگدانه های آلی در عملکرد سلولهای خورشیدی پلیمری	شعله کاظمی فرد و لیلا ناجی	بهمن 1397
5	طراحی و بررسی رفتار الکترو شیمیایی و الکترو مکانیکی فعال کننده های نرم (ماهیچه های مصنوعی (نفیونی برپایه الکترودهای نانو ساختار کربن / پلیمرهای	هاله رسولی و لیلا ناجی	دی 1396

پایان‌نامه‌های کارشناسی ارشد

#	عنوان پایان‌نامه	توسط	تاریخ دفاع
1	سنتر الکتروشیمیایی گرافن سه بعدی بعنوان ماده الکترودی در ماهیچه های مصنوعی بر پایه ی پلیمر یونی	فاطمه حاج محمدی باروق و لیلا ناجی	تیر 1401
2	مطالعه خواص ضد خوردگی پوشش های نانوکامپوزتی وانادیوم پنتوکسید/ گرافن اکسید/ پلی آنیلین بر پایه اپوکسی	امیرحسین خیری و لیلا ناجی	اسفند 1400

3	سنتر الکتروشیمیایی وانادیوم اکسید دوپ شده با مس بعنوان ماده الکترودی در ابرخازن ها	نیکی لطیفی و لیلا ناجی اسفند 1400
4	سنتر الکتروشیمیایی نانو کامپوزیت های کربن نیترید/مولیبدن دی سولفید برای کاربرد در سلولهای خورشیدی پلیمری	دیل مونا مارسروسایانس و لیلا ناجی شهریور 1400
5	سنتر و مشخصه یابی غشاهای لایه نازک کامپوزیتی پلی آمید/گرافن اکسید عاملدار برای شیرین سازی آب	پانته آ حاجی آقابزرگی و لیلا ناجی بهمن 1398
6	لایه نشانی الکتروشیمیایی نانو ساختار های اکسید نیکل به عنوان لایه ی انتقال دهنده ی حفره در سلول های خورشیدی پلیمری	منا رساحسین زاده و لیلا ناجی بهمن 1398
7	سنتر هیدروترمال نانوکامپوزیت گرافن سه بعدی/روی نیکل کبالت اکسید بعنوان ماده الکترودی در ابرخازن های یون لیتیومی	پوریا کیایی راد و لیلا ناجی بهمن 1398
8	تهیه و بررسی الکتروشیمیایی نانومواد فعال کاتدی لیتیم نیکل منگنز کبالت اکسید به روش حالت جامد(ball_milling)	نغمه محمدی جعفری و لیلا ناجی بهمن 1397
9	سنتر و بکارگیری نانو کامپوزیت های گرافن اکسید احیا شده /پلاتین بعنوان لایه انتقال دهنده حفره در سلول های خورشیدی پلیمری	سیدمسعود حسینی و لیلا ناجی بهمن 1397
10	تهیه و مطالعه الکتروشیمیایی الکترولیت ژل پلیمری نانو کامپوزیتی بر پایه GO/PVDF برای باتری های یون-لیتیم	مارال فولادوند و لیلا ناجی بهمن 1397
11	تهیه و بررسی الکتروشیمیایی آند های پایه گرافن برای باتری های سدیم یون	سجاد هاتفی مجومرد و لیلا ناجی بهمن 1397
12	بررسی الکتروشیمیایی اثر رنگهای آلی بر نانومیله های اکسید روی به عنوان لایه انتقال دهنده الکترون در سلولهای خورشیدی پلیمری	مجید شیروانی و لیلا ناجی بهمن 1397
13	سنتر و مشخصه یابی گرافن سه بعدی به عنوان ماده الکترودی در ساختار ابرخازن	مسعود فروتن کودهی و لیلا ناجی اسفند 1396
14	طراحی و مشخصه یابی الکتروشیمیایی الکتروکاتالیست بر پایه ی گرافن دوپ شده با نیتروژن برای کاربرد در PEMFCs	حسین خسروی و لیلا ناجی اسفند 1396
15	تهیه و مشخصه یابی غشاهای لایه نازک نانو کامپوزیتی بر پایه گرافن اکساید سولفونه برای کاربرد در شیرین سازی آب	محمدتقی رضایی و لیلا ناجی بهمن 1396
16	سنتر و مشخصه یابی نانوکامپوزیت های پلی آنیلین / گرافن به منظور کاربرد در سلولهای خورشیدی پلیمری	فرزانه علی پور و لیلا ناجی بهمن 1395
17	طراحی و مشخصه یابی الکترولیت های ژل پلیمری بر پایه ی پلی متیل متاکریلات (PMMA) و نفیون به منظور کاربرد در باترهای یون لیتیم	نسیم پورعلی منجیلی و لیلا ناجی بهمن 1395
18	بررسی اثر روش استخراج بر درصد کیومن آلدئید استخراج شده از گیاه زیره و خواص آنتی اکسیدانی آن	ابریشم ارجمندخواه و لیلا ناجی مهر 1395
19	تهیه مجموعه الکتروود غشا به پایه ی نانوکامپوزیت نفیون / گرافن اکسید سولفونه به روش لایه نشانی فاقد الکتروود برای پیل های سوختی غشای مبادله کننده پروتون	فاطمه مهدی و لیلا ناجی شهریور 1395
20	سنتر و مشخصه یابی غشاهای نازک و منعطف قالب مولکولی بر پایه آلکوکسیدهای سیلان برای جذب انسولین	ندا کاویانی و لیلا ناجی بهمن 1394
21	سنتر و کاربرد نانوکامپوزیت پلی آنیلین/Fe3O4 برای حذف آلاینده آنیونی از پساب	معظمه شهیدی و لیلا ناجی مهر 1394
22	تهیه و مشخصه یابی الکترولیت های پلیمری نانو کامپوزیتی بر پایه پلی متیل متاکریلات برای باتری های یون لیتیم	محمدجواد خادمی قلعه کوهی و لیلا ناجی مهر 1394
23	ساخت و بررسی الکتروشیمیایی مجموعه الکتروود- غشا برپایه پلاتین نانو مقیاس / نفیون به روش غشا پوشیده کاتالیست (CCM) برای پیل سوختی غشای مبادله پروتون	پرپسا حسین ابادی و لیلا ناجی مهر 1394
24	بهبود خواص نوری و الکترونیکی نانوفیلم پلی (3و 4 - اتیلن دی اکسی تیوفن): پلی (استایرن سولفونات) = PEDOT:PSS) برای کاربرد در سلول های خورشیدی پلیمری	سحر محمودی و لیلا ناجی مهر 1394

مهر 1394	زهرا تیموری و لیلا ناجی	بررسی تاثیر نسبت ابعاد نانو سیم‌های نقره برخواص نوری و الکتریکی آنها به منظور کاربرد در سلولهای خورشیدی پلیمری	25
مهر 1394	فرزانه عربی گنجه و لیلا ناجی	بررسی اثر روش سنتز بر خواص نوری و الکتریکی پلی آنیلین نانو ساختار به منظور کاربرد در سلولهای خورشیدی پلیمری	26
شهریور 1394	علیرضا رحمانیان و لیلا ناجی	سنتز و بررسی اثر نانو ذرات گرافن سولفونه بر فرآیندهای الکتروکاتالیستی پیل‌های سوختی مبادله کننده پروتون	27
بهمن 1393	محسن حدادپشت مشهدی و لیلا ناجی	بررسی اثر پارامترهای موثر بر ساختار لایه کاتالیست در طراحی مجموعه الکتروتود غشا به روش لایه نشانی فاقد الکتروتود برای پیل های سوختی غشای مبادله کننده پروتون	28
مهر 1393	ترانه کجینه باف و لیلا ناجی	ساخت و ارزیابی غشاهای کامپوزیتی چند لایه‌ی پلی آمید -b-6- اتیلن اکسید (PEBAX) برای جداسازی دی اکسید کربن	29
مهر 1393	حبیبه بانایانی و لیلا ناجی	سنتز و ارزیابی نانو ذرات گرافن اکسید مغناطیسی عامل‌دار شده با متالوپورفیرین جهت حذف پرکلرات از محلول‌های آبی	30
مهر 1393	سمیه گودینی و لیلا ناجی	اصلاح نانوذرات گرافن اکسید مغناطیسی با استفاده از پورفیرین آهن برای حذف یون تیوسیانات	31
مهر 1393	فهیمة دزآگاه و لیلا ناجی	بررسی تاثیر نانولوله‌های کربنی عامل‌دار شده با آمین بر نفوذپذیری و گزینش پذیری غشای پلی‌امید-b-6- اتیلن اکساید (PEBAX) برای جداسازی گازی	32
مهر 1393	روناک نیک بخت و لیلا ناجی	سنتز مشتقاتی از پلی تیوفن برای بهبود کار آمدی جذب نور از این پلیمر به منظور کاربرد در سلول های خورشیدی پلیمری	33
مهر 1393	زهرا آقایی و لیلا ناجی	ساخت و بهینه‌سازی غشای نانوکامپوزیتی پلی‌آمید-b-6-اتیلن اکسید (PEBAX) SiO ₂ برای جداسازی گازها	34
مهر 1392	شیوا معاون و لیلا ناجی	تهیه و بررسی خصوصیات الکترودهای شفاف گرافن فرآوری شده در فاز محلول برای کاربرد در سلول های خورشیدی پلیمری منعطف	35
مهر 1392	عرفان قشقایی و لیلا ناجی	بررسی پارامترهای مؤثر بر سنتز الکترو شیمیایی پلی تیوفن در سطح الکترودهای نازک طلا با هدف کاربرد در ماهیچه‌های مصنوعی	36
مهر 1392	مریم صفری و لیلا ناجی	مطالعه ی عملکرد الکترومکانیکی و الکتروشیمیایی نانوکامپوزیت های پلیمر یونی فلز(ipmnc) با استفاده از مایعات یونی	37
مهر 1392	محمد فریدی و لیلا ناجی	تهیه و مطالعه الکتروشیمیایی الکترولیتهای پلیمری نانوکامپوزیتی متخلخل برای باتری های یون لیتیم پلیمری	38
مهر 1392	زهرا فخاران جدی و لیلا ناجی	تهیه و بررسی غشاهای نانو کامپوزیتی معدنی-پلیمری اصلاح شده به منظور استفاده در سلول های خورشیدی.	39
شهریور 1392	فرشید رهگذربادی و لیلا ناجی	جداسازی مغناطیسی یون تیو سیانات از پساب با استفاده از نانوذرات مغناطیسی اکسید آهن عامل دار شده با پورفیرین آهن	40
بهمن 1391	محدثه راستگوی دیلمی و لیلا ناجی	سنتز و بررسی نانو ذرات لیتیم آهن فسفات و کاربرد آنها به عنوان مواد کاتدی در باتری‌های یون لیتیم	41
مهر 1391	سیده یاسمن حسینی و لیلا ناجی	سنتز و کاربرد نانوسفرهای پلیمر قالب مولکولی برای داروی متوکلوپرامید و بررسی آن در سیستم‌های نوین داروسازی	42
مهر 1391	زهرا یزدانی و لیلا ناجی	طراحی و ساخت حسگرهای فلورسانس بر پایه پلیمرهای قالب مولکولی برای اندازه‌گیری گونه‌های دارویی در پلاسما	43

مقالات ژورنال

داده های ثبت شده در پورتال

- 1 Alireza Rahmanian, Laila Naji, "Systematic study of influencing parameters on the in-situ electrochemical growth of three-dimensional graphene on carbon cloth for supercapacitor applications", *Journal of Energy Storage*, Vol. 49, Num. 49, Page 104146-104159, February 2022,
- 2 Alireza Rahmanian, Laila Naji, "Graphene oxide-assisted electrochemical growth of Ni(OH)₂ nanoflowers on nickel foam as electrode material for high-performance supercapacitors", *COLLOIDS AND SURFACES A-PHYSICOCHEMICAL AND ENGINEERING ASPECTS*, Vol. 640, Num. 640, Page 128450-128463, January 2022,
- 3 Ehsan Delfani, Alireza Khoda Bakhshi, Sajad Habibzadeh, Laila Naji, Mohammad Reza Ganjali, "Novel mesoporous Co₃O₄-Sb₂O₃-SnO₂ active material in high-performance capacitive deionization", *RSC Advances*, Vol. 12, Num. 2, Page 907-922, December 2021,
- 4 Fateme Hasannezhad Saber Salimi, Laila Naji, Majid Arvand, "Comparative study of electrochemically-grown vanadium pentoxide nanostructures synthesized using differential pulse voltammetry, cyclic voltammetry, and chronoamperometry methods as the hole transport layer", *JOURNAL OF ALLOYS AND COMPOUNDS*, Vol. 900, Num. 900, Page 163501-163517, December 2021,
- 5 Fateme Hasannezhad Saber Salimi, Laila Naji, Majid Arvand, "Influencing parameters on the electrochemical growth of V₂O₅ nanorods on ITO as interfacial layer in bulk heterojunction polymer solar cells", *MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING*, Vol. 139, Num. 0, Page 106333-106346, November 2021,
- 6 Alireza Mohseni Pour, Mehrdad Mozaffarian, Gholamreza Pazouki, Laila Naji, "Fabrication of high performance supercapacitors based on ethyl methyl imidazolium bis(trifluoromethylsulfonyl) imide (EMIMTFSI)-decorated reduced graphene oxide (rGO)", *JOURNAL OF ALLOYS AND COMPOUNDS*, Vol. 892, Num. 1, Page 1-10, October 2021,
- 7 Pouria Kiaeerad, Laila Naji, "Synergistic effect of two complexing agents on the hydrothermal synthesis of self-supported ZnNiCo oxide as electrode material in supercapacitors", *JOURNAL OF ELECTROANALYTICAL CHEMISTRY*, Vol. 901, Num. 901, Page 115779-115794, October 2021,
- 8 Maral Fouladvand, Laila Naji, Mehran Javanbakht, Alireza Rahmanian, "Electrochemical characterization of Li-ion conducting polyvinylidene fluoride/sulfonated graphene oxide nanocomposite polymer electrolyte membranes for lithium ion batteries", *JOURNAL OF MEMBRANE SCIENCE*, Vol. 636, Num. 636, Page 119563-119574, June 2021,
- 9 Mohammadtaghi Rezayi, Solmaz Valizadeh, Laila Naji, "Influences of sulfonation level on the nanofiltration performance of sulfonated graphene oxide polyamide nanocomposite membranes", *THIN SOLID FILMS*, Vol. 728, Num. 138688, Page 0-0, June 2021,
- 10 Alireza Rahmanian, Laila Naji, "Study the effects of synthetic parameters of electrochemical oxidation with ammonium sulfate on electrochemical behavior of carbon cloth", *Journal of Applied Chemistry*, Vol. 16, Num. 58, Page 63-76, January 2021,
- 11 Seyedmasood Hossaini, Laila Naji, Zahra Fakharian, "Synthesis of rGO/Pt (Nano Star) nanocomposite as hole transporting material in polymer solar cells", , Vol. 7, Num. 4, Page 69-79, January 2021,
- 12 Fatemeh Mahdi, Laila Naji, Alireza Rahmanian, "Fabrication of membrane electrode assembly based on Nafion/sulfonated graphene oxide nanocomposite by electroless deposition for proton exchange membrane fuel cells", *SURFACES AND INTERFACES*, Vol. 23, Num. 0, Page 100925-100943, January 2021,
- 13 Solmaz Valizadeh, Laila Naji, Mohammad Karimi, "Controlling interlayer spacing of graphene oxide membrane in aqueous media using a biocompatible heterobifunctional crosslinker for pencilline-G procaine removal", *SEPARATION AND PURIFICATION TECHNOLOGY*, Vol. 263, Num. 263, Page 118392-118408, January 2021,
- 14 Zahra Fakharian, Laila Naji, Khosro Madanipour, Ali Dabirian, "Complex Electrochemical Study of Reduced Graphene Oxide/Pt Produced by Nd:YAG Pulsed Laser Reduction as Photo-Anode in Polymer Solar Cells", *JOURNAL OF ELECTROANALYTICAL CHEMISTRY*, Vol. 880, Num. 0, Page 114927-114940, December 2020,
- 15 Tahmores Nouri, Hamed Jamshidi Aval, Reza Shidpour, Laila Naji, "Evaluation of nanowire performance in ion conductivity of solid state polymer electrolytes for lithium ion batteries", *Iran Polymer Technology Research and Development*, Vol. 5, Num. 3, Page 65-74, December 2020,
- 16 Solmaz Valizadeh, Laila Naji, Mohammad Karimi, "Robust siloxane/graphene oxide thin film membranes: siloxane size adjustment for improved separation performance and flux recovery", *KOREAN JOURNAL OF CHEMICAL ENGINEERING*, Vol. 37, Num. 12, Page 2232-2247, December 2020,

- 17 Mehdi Mirzaei Alavijeh, Sajad Habibzadeh, Khatereh Roohi, Seyed Farhad Keivanimehr, Laila Naji, Mohammad Reza Ganjali, "A selective and efficient precious metal-free electrocatalyst for chlorine evolution reaction: An experimental and computational study", *CHEMICAL ENGINEERING JOURNAL*, Vol. 421, Num. 2, Page 127785-127795, November 2020,
- 18 Majid Shirvani, Laila Naji, "Interface engineering of electrochemically deposited ZnO nanorods as electron transport layer in polymer solar cells using organic dyes", *MATERIALS CHEMISTRY AND PHYSICS*, Vol. 259, Num. 0, Page 124064-124077, November 2020,
- 19 Majid Shirvani, Laila Naji, "Effect of seed layer on the morphology of Zinc Oxide Nanorods as an electron transport layer in polymer solar cell", *International Journal of Nanoscience and Nanotechnology*, Vol. 16, Num. 3, Page 201-208, September 2020,
- 20 Maral Fouladvand, Laila Naji, Mehran Javanbakht, "Investigating effect of Graphene Oxide on the morphology and electrochemical properties of Polymer Electrolyte based on Poly(vinylidene fluoride) for lithium-ion batteries", *Journal of Applied Chemistry*, Vol. 15, Num. 54, Page 257-272, April 2020,
- 21 Solmaz Valizadeh, Laila Naji, Mohammad Karimi, "Systematic Evaluation of influencing parameters on formation and separation performance of graphene oxide-based thin film membranes", *journal of separation science and engineering*, Vol. 12, Num. 1, Page 29-40, April 2020,
- 22 Seyedmasood Hossaini, Laila Naji, Zahra Fakhara, "Influences of synthesis parameters on the physicochemical and electrochemical characteristics of reduced graphene oxide/Pt as hole transporting layer in polymer solar cells", *SYNTHETIC METALS*, Vol. 263, Num. 263, Page 116366-116377, March 2020,
- 23 Zahra Fakhara, Laila Naji, Khosro Madanipour, "Nd:YAG pulsed laser production of reduced graphene oxide as hole transporting layer in polymer solar cells and the influences of solvent type", *ORGANIC ELECTRONICS*, Vol. 76, Num. 76, Page 105459-105469, September 2019,
- 24 Maral Fouladvand, Laila Naji, Mehran Javanbakht, "Performance of Polymer Electrolytes Based on Polyvinylidene Fluoride (PVDF) in Lithium-ion Batteries", , Vol. 9, Num. 2, Page 15-26, July 2019,
- 25 Masoud Foroutan Koudahi, Laila Naji, "Systematic evaluation of factors influencing electrochemical and morphological characteristics of free-standing 3D graphene hydrogels as electrode material for supercapacitors", *ELECTROCHIMICA ACTA*, Vol. 301, Num. 0, Page 421-435, February 2019,
- 26 Haale Rasouli, Laila Naji, Mir Ghasem Hosseini, "The influence of electrodeposited PPy film morphology on the electrochemical characteristics of Nafion-based energy storage devices", *JOURNAL OF ELECTROANALYTICAL CHEMISTRY*, Vol. 836, Num. 0, Page 165-175, February 2019,
- 27 Zahra Fakhara, Laila Naji, Khosro Madanipour, "Surface roughness regulation of reduced-graphene oxide/iodine – Based electrodes and their application in polymer solar cells", *JOURNAL OF COLLOID AND INTERFACE SCIENCE*, Vol. 540, Num. 0, Page 272-284, January 2019,
- 28 Alireza Rahmani, Laila Naji, Mehran Javanbakht, "The influence of sulfonation level on the electrochemical characteristics of Pt/rSGO as electrocatalyst for proton exchange membrane fuels cells", *SOLID STATE IONICS*, Vol. 326, Num. 0, Page 27-36, September 2018,
- 29 Laila Naji, Zahra Teymuri, Zahra Fakhara, "The influences of polyol process parameters on the optoelectronic characteristics of AgNWs-based flexible electrodes and their application in ITO-free polymer solar cells", *ORGANIC ELECTRONICS*, Vol. 62, Num. 0, Page 621-629, July 2018,
- 30 Haale Rasouli, Laila Naji, Mir Ghasem Hosseini, "3D structured polypyrrole/reduced graphene oxide (PPy/rGO)-based electrode ionic soft actuators with improved actuation performance", *NEW JOURNAL OF CHEMISTRY*, Vol. 42, Num. 0, Page 12104-12118, June 2018,
- 31 Behzad Heydari, Abbas Majdabadi, Laila Naji, Morteza Sasani Ghamsari, Zahra Fakhara, Somayeh Salmani, "Synergetic effect of Ag/PVP on nonlinear optical characteristic of rGO transparent thin films", *OPTICAL AND QUANTUM ELECTRONICS*, Vol. 50, Num. 50, Page 267-277, June 2018,
- 32 Haale Rasouli, Laila Naji, Mir Ghasem Hosseini, "The influence of electrodeposited conducting polymer electrode structure on the actuation performance of muscle-like ionic actuators", *SENSORS AND ACTUATORS A-PHYSICAL*, Vol. 279, Num. 0, Page 204-215, May 2018,

- 33 Mihammad Faridi, Laila Naji, Sholeh Kazemifard, Nasim Pourali Manjili, "Electrochemical investigation of gel polymer electrolytes based on poly(methyl methacrylate) and dimethylacetamid for application in Li-ion batteries", *CHEMICAL PAPERS*, Vol. -, Num. 0, Page 1-12, March 2018,
- 34 Farzaneh Alipour, Laila Naji, Zahra Fakhara, "Graphene-based polyaniline nanocomposites and their application in organic solar cells", , Vol. 7, Num. 4, Page 4-16, January 2018,
- 35 Sholeh Kazemifard, Laila Naji, Faramarz Afshar Taromi, "Enhancing the photovoltaic performance of bulk heterojunction polymersolar cells by adding Rhodamine B laser dye as co-sensitizer", *JOURNAL OF COLLOID AND INTERFACE SCIENCE*, Vol. 515, Num. 0, Page 139-151, January 2018,
- 36 Zahra Aghaei, Laila Naji, Vahid Haddadi Asl, Ghader Khanbabaee, Fahime Dezhagah, "The Influence of Fumed Silica Content and Particle Size in Poly (Amide 6-B-Ethylene Oxide) Mixed Matrix Membranes for Gas Separation", *SEPARATION AND PURIFICATION TECHNOLOGY*, Vol. 199, Num. 0, Page 47-56, January 2018,
- 37 Parisa Hosseiniabadi, Mehran Javanbakht, Laila Naji, Hossein Ghafarian Zahmatkesh, "The Influence of Pt Nanoparticle electroless deposition parameters on the electrochemical characteristics of Nafion-based catalyst coated membrane", *JOURNAL OF INDUSTRIAL AND ENGINEERING CHEMISTRY*, Vol. 57, Num. 2, Page 434-445, December 2017,
- 38 Zahra Teymuri, Laila Naji, Sholeh Kazemifard, "A review on the plasmonic metallic nanostructures and their preparation techniques", , Vol. 16, Num. 90, Page 49-63, December 2017,
- 39 Haale Rasouli, Laila Naji, Mir Ghasem Hosseini, "Electrochemical and electromechanical study of carbon electrode based ionic soft actuators", *INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH*, Vol. 57, Num. 3, Page 795-806, December 2017,
- 40 Haale Rasouli, Laila Naji, Mir Ghasem Hosseini, Tabriz University, "The effect of MWCNT content on electropolymerization of PPy film and electromechanical behavior of PPy electrode-based soft actuators", *JOURNAL OF ELECTROANALYTICAL CHEMISTRY*, Vol. 806, Num. 0, Page 136-149, October 2017,
- 41 Behzad Heydari, Dr Majdabadi, Laila Naji, Dr Sasani Ghamsari, Zahra Fakhara, Dr Salmani, "Thin reduced graphene oxide film with enhanced optical nonlinearity", *OPTIK*, Vol. 156, Num. 0, Page 104-111, October 2017,
- 42 Farzane Arabiganje, Faramarz Afshar Taromi, Laila Naji, Zahra Fakhara, "Application of poly aniline nanostructures in energy generation and production devices", *Iran Polymer Technology Research and Development*, Vol. 2, Num. 1, Page 17-28, May 2017,
- 43 Maryam Safari, Laila Naji, Richard T. Baker, Faramarz Afshar Taromi, "Influence of Electrolytes of Li salts, EMIMBF4 and Mixed Phases on Electrochemical and Physical Properties of Nafion Membrane", *JOURNAL OF APPLIED POLYMER SCIENCE*, Vol. 134, Num. 35, Page 45239-45250, April 2017,
- 44 Zahra Fakhara, Laila Naji, Khosro Madanipour, "Investigating the effects of oxidation conditions, thickness and temperature on the electrical conductivity of reduced graphene oxide transparent thin films", *Journal of Science and Engineering Elites*, Vol. 1, Num. 2, Page 251-262, March 2017,
- 45 Zahra Fakhara, Laila Naji, "Fabrication of non-fullerene P3HT/Agx-TiO2 based polymer solar cells with high open circuit voltage", *JOURNAL OF ALLOYS AND COMPOUNDS*, Vol. 708, Num. 0, Page 1184-1194, March 2017,
- 46 Mir Ghasem Hosseini, Haale Rasouli, Elham Shahriyari, Laila Naji, "Electrochemical behavior of Nafion membrane based solid-state supercapacitor with graphene oxide-multiwalled carbon nanotube-polypyrrole nanocomposite", *JOURNAL OF APPLIED POLYMER SCIENCE*, Vol. 0, Num. 0, Page 0-0, February 2017,
- 47 Haale Rasouli, Laila Naji, Mir Ghasem Hosseini, "Electrochemical and Electromechanical Behavior of Nafion-Based Soft Actuators with PPy/CB/MWCNT Nanocomposite Electrodes", *RSC Advances*, Vol. 7, Num. 0, Page 3190-3203, November 2016,
- 48 Sahar Mahmodi, Laila Naji, Sholeh Kazemifard, "An Introduction to poly 3,4-dioxythiophene:polystyrene sulfonate as hole transport layer in polymer solar cells", , Vol. 7, Num. 1, Page 13-25, August 2016,
- 49 Zahra Fakhara, Laila Naji, Khosro Madanipour, Sholeh Kazemifard, "The effect of graphene as electrode material on power conversion efficiency of polymer solar cells", , Vol. 3, Num. 1, Page 7-15, August 2016,
- 50 Zahra Teymuri, Laila Naji, Sholeh Kazemifard, "Polymer solar cells: A new device in conversion of solar energy to electricity", , Vol. سوم, Num. 2, Page 1-8, May 2016,

- 51 Sholeh Kazemifard, Laila Naji, Faramarz Afshar Taromi, Zahra Fakhara, "Polymer solar cells and their performance mechanism and characterization", , Vol. 6, Num. 3, Page 65-75, February 2016,
- 52 Sholeh Kazemifard, Laila Naji, Faramarz Afshar Taromi, Zahra Fakhara, "Review on different types of solar cells and their performance mechanism", , Vol. 1394, Num. 2, Page 63-71, February 2016,
- 53 Laila Naji, Maryam Safari, Shiva Moaven, "Fabrication of SGO/Nafion - based IPMC soft actuators with sea anemone - like Pt electrodes and enhanced actuation performance", *CARBON*, Vol. 100, Num. 0, Page 243-257, January 2016,
- 54 Alireza Rahmani, Laila Naji, Mehran Javanbakht, "Electrochemical study of the hydrogen adsorption/reduction (HAR) reaction on graphene oxide as an electrocatalyst for proton exchange membrane fuel cells", *Iranian Journal of Hydrogen & Fuel Cell*, Vol. 2, Num. 2, Page 99-107, December 2015,
- 55 Zahra Teymuri, Laila Naji, Sholeh Kazemifard, "Synthesis and characterization of silver nanowires as flexible and transparent electrode material for application in polymer solar cells", *Journal of Applied Chemistry*, Vol. 12, Num. 43, Page 0-0, November 2015,
- 56 Maryam Safari, Laila Naji, Richard T. Baker, Faramarz Afshar Taromi, "The enhancement effect of lithium ions on actuation performance of ionic liquid-based IPMC soft actuators", *POLYMER*, Vol. 76, Num. 0, Page 140-149, October 2015,
- 57 Shiva Moaven, Laila Naji, Faramarz Afshar Taromi, Farhad Sharif, "Effect of bending deformation on photovoltaic performance of flexible graphene/Ag electrode-based polymer solar cells", *RSC Advances*, Vol. 39, Num. 5, Page 30889-30901, March 2015,
- 58 Mehran Javanbakht, Mohadeseh Rastgooy Deylami, Mehdi Ghaemi, Laila Naji, Hamid Omidvar, Mohammad Reza Ganjali, "Synthesis and Electrochemical Properties of Rhombohedral LiFePO₄/C Microcrystals Via a Hydrothermal Route for Lithium Ion Batteries", *INTERNATIONAL JOURNAL OF ELECTROCHEMICAL SCIENCE*, Vol. 9, Num. 1, Page 3199-3208, March 2014,
- 59 Parisa Salarizadeh, Mehran Javanbakht, M. Abdollahi, Laila Naji, "Preparation, characterization and properties of proton exchange nanocomposite membranes based on poly(vinyl alcohol) and poly(sulfonic acid)-grafted silica nanoparticles", *INTERNATIONAL JOURNAL OF HYDROGEN ENERGY*, Vol. 38, Num. 1, Page 5473-5479, March 2014,
- 60 Khadijeh Hooshyari, Mehran Javanbakht, Laila Naji, Morteza Enhessari, "Nanocomposite proton exchange membranes based on Nafion containing Fe₂TiO₅ nanoparticles in water and alcohol environments for PEMFC", *JOURNAL OF MEMBRANE SCIENCE*, Vol. 454, Num. 1, Page 74-81, February 2014,
- 61 Laila Naji, John A. Chudek, Eric W. Abel, Richard T. Baker, "Electromechanical behaviour of Nafion-based soft actuators", *JOURNAL OF MATERIALS CHEMISTRY*, Vol. 1, Num. 19, Page 2502-2514, April 2013,

مقالات کنفرانس

داده های ثبت شده در پورتال

- 1 Fateme Hasannezhad Saber Salimi, Laila Naji, Majid Arvand, "Differential pulse electrodeposition of vanadium pentoxide nanostructures for high performance ", 10th National Biennial Seminar (Webinar) of Chemistry and Environment, November 2021
- 2 Alireza Rahmani, Laila Naji, "Improved connections of three-dimensional graphene structures to the surface of carbonaceous tissue mediated by silan groups for supercapacitor applications ", 9th International Conference on Chemistry, Chemical Engineering, and Petroleum Engineering, November 2021
- 3 Alireza Rahmani, Soheila Dalirian, Laila Naji, "Study of advances in ultra-battery electrode technology and fabrication of lead/carbon composite negative electrode with layered structure ", 1st international conference on chemistry and chemical engineering, October 2021
- 4 Dilmona Marserosians, Laila Naji, Fateme Hasannezhad Saber Salimi, "Electrodeposition Of G-C₃N₄/MoS₂ Nanocomposites For Application In Bulk Heterojunction Polymer Solar Cells ", 14th Biennial Electrochemistry Seminar of Iran 2021, August 2021

- 5 Fateme Hasannezhad Saber Salimi, Laila Naji, Majid Arvand, "Electrochemical deposition of V2O5 nanorods for application in polymer based solar cells ", 14th Biennial Electrochemistry Seminar of Iran 2021, August 2021
- 6 Maral Fouladvand, Laila Naji, Mehran Javanbakht, "Fabrication and electrochemical characterization of ion-conductive polymer electrolyte based on poly(vinylidene fluoride)/graphene oxide for Li-ion batteries ", 1st International congress of chemistry and nanochemistry from research to technology, September 2018
- 7 Zahra Fakhara, Laila Naji, Khosro Madanipour, "Effect of concentration and time of exposure on the electrical conductivity of reduced graphene oxide nanosheets during 532 nm Nd:YAG pulsed laser reduction ", 7th International congress on nanoscience and nanotechnology, September 2018
- 8 Solmaz Valizadeh, Laila Naji, "Potential application of graphene oxide membrane in desalination technology ", 4th International conference on Recent Innovation in Chemistry and Chemical Engineering, February 2018
- 9 Masoud Foroutan Koudahi, Laila Naji, "Last innovations in sodium-ion batteries ", 5th International Conference on Recent Innovations Chemistry and Chemical Engineering, February 2018
- 10 Laila Naji, Mohammadtaghi Rezayi, Solmaz Valizadeh, "Preparation, characterization and investigation of antifouling property of polyamide thin film composite nanofiltration membrane ", 7th International Conference on Nanostructures, February 2018
- 11 Solmaz Valizadeh, Laila Naji, Mohammad Karimi, "Preparation and characterization of polyethersulfone (PES)-supported graphene oxide (GO) thin film nanofiltration membrane ", 7th International Conference on Nanostructure, February 2018
- 12 Solmaz Valizadeh, Laila Naji, Mohammad Karimi, "Preparation and characterization of polyethersulfone (PES)-supported graphene oxide (GO) thin film nanofiltration membrane ", 7th conference on nanostructures, February 2018
- 13 Solmaz Valizadeh, Laila Naji, Mohammad Karimi, "The performance of graphene oxide thin film membrane in rejection of Rhodamine B as model dye pollutant ", The 7th international color and coating congress, December 2017
- 14 Nasim Pourali Manjili, Laila Naji, Mohammad Hassan Mousazadeh, Zahra Fakhara, "Investigation of the effect of DMAc and DMF as plasticizers onto conductivity of PMMA based polymer electrolyte membrane ", 12th international seminar on polymer science and technology, November 2016
- 15 Farzaneh Alipour, Laila Naji, "Spectral Study on Polyaniline/Graphene Oxide nanocomposites synthesized by rapid mixing method ", 6th International Congress on Nanoscience and Nanotechnology, October 2016
- 16 Fatemeh Mahdi, Laila Naji, "Preparation of Membrane Electrode Assembly based on Nafion/graphene oxide nanocomposite by electroless plating ", 6th International Congress on Nanoscience and Nanotechnology, October 2016
- 17 Haale Rasouli, Laila Naji, Mirghasem Hosseini, "Effect of Electrolyte Type on the Actuation Performance of Polymeric Electrodes- based IPFMC Soft Actuators ", 3rd International Conference on Recent Innovations in Chemistry & Chemical Engineering, September 2016
- 18 Nasim Pourali Manjili, Laila Naji, Mohammad Hassan Mousazadeh, Zahra Fakhara, "The effect of polymer molecular weight on ion mobility in polymethylmetacrylate based electrolyte for lithium ion batteries ", International Conference on Research of Chemical and Materials Engineering, June 2016
- 19 Masoud Foroutan Koudahi, Laila Naji, Mehdi Poormortazavi, Masoumeh Forootan, "Synthesis methods of graphene and its application in chemical sensors ", 2nd International Conference on New Research Achievements in Chemistry and Chemical Engineering, May 2016
- 20 Fatemeh Mahdi, Laila Naji, "Preparation of Nafion/sulfonated graphene oxide – based membrane electrode assembly using electroless plating for application in PEMFCs ", 2nd International Conference on New Research Achievements in Chemistry and Chemical Engineering, May 2016
- 21 Solmaz Valizadeh, Laila Naji, "Investigating new generation of carbon based thin film nanocomposite membranes in water desalination ", 2nd International Conference on New Research Achievements in Chemistry and Chemical Engineering, May 2016
- 22 Haale Rasouli, Laila Naji, Mirghasem Hosseini, "Fabrication Carbon Electrodes- based IPMC Soft Actuators and Enhanced Actuation Performance ", 2nd International Conference on New Research Achievements in Chemistry & Chemical Engineering, May 2016

- 23 Abrisham Arjomandkhah, Laila Naji, "Comparative study on essential oil extraction and evaluating anti oxidant capacity from *Teucrium polium* (L.) ", 2nd International Conference on New Research Achievements in Chemistry and Chemical Engineering, May 2016
- 24 Nasim Pourali Manjili, Laila Naji, "Preparation of gel polymer electrolyte based on polymethylmetacrylate and DMAc as plasticizer for application in Li ion batteries ", 2nd International Conference on New Research Achievements in Chemistry and Chemical Engineering, May 2016
- 25 Sholeh Kazemifard, Laila Naji, Faramarz Afshar Taromi, Zahra Teymuri, Sahar Mahmodi, "The effect of conductive hole transporting film on the performance of polymer solar cells ", 12th international conference on membrane science and technology, November 2015
- 26 Zahra Teymuri, Laila Naji, Sholeh Kazemifard, Sahar Mahmodi, "Preparation of Silver Nanowire Films as Electrode for Application in Polymer Solar Cells ", 12th international conference on membrane Science and Technology 2015 (MST2015, November 2015
- 27 Mihammad Faridi, Laila Naji, Mahdi Ghaemi, Sholeh Kazemifard, "Preparation and electrochemical characterization of Gel polymer electrolyte for lithium ion polymer batteries ", 12th international conference on membrane science and technology, November 2015
- 28 Sahar Mahmodi, Laila Naji, Sholeh Kazemifard, Zahra Teymuri, "Investigating Solvent type on Improving (3, 4 ethylene dioxythiophene): (poly styrene sulfonate) Polymeric Membrane as Hole Transport Layer for Polymer Solar Cell ", 12th international conference on membrane science and technology, November 2015
- 29 Haale Rasouli, Laila Naji, Mir Ghasem Hosseini, "Effects of Aqueous, organic and mixed phases on electrodeposition of polypyrrole thin film on Nafion-based Vulcan XC-72R electrode ", 6th international color and coating congress, November 2015
- 30 Moazame Shahidi, Laila Naji, "Effect of the Type of Acidic Dopant on the Polyaniline Nanostructures ", 5th International Biennial Conference on Ultrafine Grained and Nanostructured Materials, UFGNSM15, November 2015
- 31 Zahra Teymuri, Laila Naji, "Polyol Synthesis of Silver Nanowires in the Presence of Sodium Chloride ", 5th International Biennial Conference on Ultrafine Grained and Nanostructured materials UFGNSM15, November 2015
- 32 Farzane Arabiganje, Laila Naji, Faramarz Afshar Taromi, "Characterization of polyaniline nanofibers synthesized by interfacial polymerization ", 5th International Biennial Conference on Ultrafine Grained and Nanostructured Materials, UFGNSM15, November 2015
- 33 Laila Naji, Maryam Safari, Mohsen Hadad Posht Mashhadi, "Evaluation the effects of pH and concentration changes on Pt electrocatalyst layer structure via electroless plating method ", The international conference in new research of chemistry and chemical engineering, September 2015
- 34 Alireza Rahmadian, Laila Naji, Mehran Javanbakht, "Study the effect of the presence of graphene oxide as catalyst support on hydrogen adsorption/desorption reactions in proton exchange membrane fuel cells ", 3rd Hydrogen and Fuel Cell Conference, May 2015
- 35 Sahar Mahmodi, Laila Naji, Zahed Ahmadi, "Synthesis and characterization of PEDOT:PSS film as Hole transport layer in polymer solar cells ", Iran Membrane 2015, May 2015
- 36 Mohammad Javad Khademi, Laila Naji, Mehran Javanbakht, Nahid Lotfollahi, "Fabrication and characterization of PMMA/TiO₂ based nanocomposite polymeric membranes for application in Li-Ion batteries ", 2nd National Congress on Membrane and Membrane Processes, May 2015
- 37 Sholeh Kazemifard, Laila Naji, Faramarz Afshar Taromi, Sahar Mahmodi, "Improving the properties of hole transport PEDOT:PSS membrane and investigating the surface morphology of the membrane for application in polymer solar cells ", 2nd congress on membrane and membrane processes, May 2015
- 38 Alireza Rahmadian, Laila Naji, Mehran Javanbakht, "Investigating the electrochemical behavior of functionalized graphene oxide as electrocatalyst supports in proton exchange membrane fuel cells ", 21st Iranian Analytical Chemistry Conference, March 2015
- 39 Mohammad Javad Khademi, Laila Naji, Mehran Javanbakht, "Preparation and characterization of PMMA-based Solid Polymer Electrolytes for Lithium Ion Batteries ", The 21st Iranian analytical chemistry conference, February 2015

- 40 Mohsen Hadad Posht Mashhadi, Laila Naji, Ahmad Roohollahi, "Investigating the parameters affecting fabrication and electrochemical properties of nanosize Pt-impregnated membrane electrode assembly (MEA) for PEMFCs ", w, February 2015
- 41 Zahra Teymuri, Laila Naji, Tahereh Poursaberi, "Synthesis of Silver Nanowires as Electrode Material in Construction of Flexible Polymer Solar cells ", Nanostructured Solar Cells Conference (NSSC93, November 2014
- 42 Zahra Fakhara, Laila Naji, Sholeh Kazemifard, "Design and fabrication of bulk heterojunction polymer solar cells based on inorganic nanocomposites ", Conference on Nanostructured Solar Cells (NSSC93), November 2014
- 43 Zahra Teymuri, Laila Naji, Tahereh Poursaberi, "Synthesis of silver nano wires as electrodes for fabrication of flexible polymer solar cells ", Conference on Nanostructured Solar Cells (NSSC93), November 2014
- 44 Shiva Moaven, Laila Naji, Faramarz Afshar Taromi, Farhad Sharif, "Preparation of Ag-Graphene based flexible electrodes for application in flexible polymer solar cells ", Conference on Nanostructured Solar Cells (NSSC93), November 2014
- 45 Sholeh Kazemifard, Laila Naji, Faramarz Afshar Taromi, Raheleh Mohamadpour, Zahra Fakhara, "Optimization of spin coating conditions for hole transport layer in polymer solar cells ", Conference on Nanostructured Solar Cells (NSSC93, November 2014
- 46 Laila Naji, "Performance Improvement of Polymer Solar Cells via Physical and Chemical Methods ", Conference on Nanostructured Solar Cells (NSSC93), November 2014
- 47 Sahar Mahmodi, Laila Naji, Zahed Ahmadi, "Improving Optical and Electrical Properties of PEDOT:PSS as Hole Transport layer for Polymer Solar Cells ", Conference on Nanostructured Solar Cells (NSSC93), November 2014
- 48 Sholeh Kazemifard, Fereidoon Moghadas Nejad, Laila Naji, Shahabi, M., "The Effect of Sulfur on different Properties of SBS-Modified Bitumen ", 6th Iran National Conference on Bitumen & Asphalt Mixture, November 2014
- 49 Laila Naji, Erfan Ghashghaei, Faramarz Afshar Taromi, Habibeh Hadad Dabaghi, "Electrochemical synthesis of polythiophene on graphite and stainless steel for application in artificial muscles ", 10th Annual Electrochemistry Seminar of Iran 26 & 27 November 2014 Iran University of Science and Technology, November 2014
- 50 Sholeh Kazemifard, Fereidoon Moghadas Nejad, Laila Naji, "The effect of sulfur on physical and rheological properties of polymer-modified bitumens ", 11th International Seminar on Polymer Science and Technology (ISPST 2014, October 2014
- 51 Maryam Safari, Laila Naji, Faramarz Afshar Taromi, Farshad Barzandeh, "Investigation of Electromechanical and Electrochemical Behaviour of Ionic Polymer Metal Nano-composite (IPMNC) in the Presence of Ionic Liquid and Various Li⁺ salts ", 11th international seminar on polymer science and technology (ISPST), October 2014
- 52 Zahra Aghaei, Laila Naji, Vahid Haddadi Asl, Ghader Khanbabaee, "Gas permeation properties of Poly(amide-6-b-ethylene oxide)-silica Hybride nanocomposites membrane by Sol-gel Technique ", 11th International Seminar on Polymer Science and Technology (ISPST, October 2014
- 53 Shiva Moaven, Laila Naji, Faramarz Afshar Taromi, Farhad Sharif, "Graphene-Polyaniline Nanocomposite as Flexible Anode Electrode of Polymer Solar Cells ", 11th international seminar on polymer science and technology, October 2014
- 54 Kamran Shayan, Parviz Parvin, Ali Reyhani, Seyedeh Zahrah Mortazavi, Pooria Taghdiri, Laila Naji, Tayebeh Mohammadi, Niloufar Pourshirazi, "Graphene and Graphene Oxide Generation by laser method ", 5th International Conference in Nanostructures (ICNS5), March 2014
- 55 Somayeh Gowdini, Laila Naji, Tahereh Poursaberi, "Synthesis and characterization of functionalized graphene oxide - based magnetic nanoparticles for thiocyanate ion removal ", 21st Iranian Seminar of Organic Chemistry, March 2014
- 56 Zahra Aghaei, Laila Naji, Fahime Dezhagah, Taraneh Kajinehbaf, Ghader Khanbabaee, "Recent Advances of Using PEBAX as Polymer matrix in Membrane Science ", 21st Iranian Seminar of Organic Chemistry (21st ISOC, March 2014
- 57 Laila Naji, Zahra Aghaei, Vahid Haddadi Asl, Ghader Khanbabaee, "Control of Pore Structure Formation in PEBAX membrane by Phase Inversion Method ", 21st Iranian Seminar of Organic Chemistry (21st ISOC), March 2014

- 58 Fahime Dezhagah, Laila Naji, Ghader Khanbabaei, "Investigating the effect of SWCNTs on the Permeability and Selectivity of polymeris nanocomposite membrane for gas separation ", 20TH Iranian Analytical Chemistry Conference (IACC2014), February 2014
- 59 Taraneh Kajinehbaf, Laila Naji, Ghader Khanbabaei, "Investigating Gas Permeability of Composite Membranes Fabricated Based on Porous Polyacrylonitrile (PAN) Membrane ", 20th Iranian Analytical Chemistry Conference (IACC2014, February 2014
- 60 Soroush Mehrdadi, Parviz Parvin, Mohammad Reza Tajik Joobe, Ali Bavali, Hassan Ghafari Fard, Laila Naji, Mozghan Falahaty Marvast, "Laser Induced Fluorescence spectral shift of Diamond nanoparticles dispersed in Rhodamine 6G ", 20Th Iranian conference on Optics and Photonics and 6th Iranian Conference on Photonic Engineering and Technology, January 2014
- 61 Maryam Safari, Laila Naji, Faramarz Afshar Taromi, Farshad Barazandeh, Ghahremanifard, "Influence of Li salts and Imidazolium - based Ionic liquids on the electrochemical Performance of Nafion based Ionic Polymer-metal Nanocomposite (IPMNCs) ", 2nd International Conference on New and Advanced Materials NAMIC & ICMH, August 2013
- 62 Zahra Fakharan, Laila Naji, "Synthesis and Investigating the Optical Properties of TiO₂ and Ag-TiO₂ Nanoparticles and their Effect on the Light Absorption Properties of P3HT ", The first National Iranian Conference of new Technology in Chemistry and Chemical Engineering, May 2013
- 63 Mihammad Faridi, Laila Naji, Mehdi Ghaemi, Mehdi Rafizadeh, Mehran Javanbakht, "Preparation and electrochemical study of nanocomposite polymer electrolyte based on PMMA-LiClO₄ for Lithium ion polymer batteries ", The first international conference of new technologies in chemical and chemical engineering, May 2013
- 64 Maryam Safari, Laila Naji, Faramarz Afshar Taromi, Farshad Barazandeh, "Investigating the Effects of Different Li salts on the electrochemical behavior of Nafion-based IPMNCs ", The first National conference on new technology in Chemistry and Chemical engineering, May 2013
- 65 Laila Naji, Zahra Fakharan, "Synthesis and Optical Study of TiO₂ and Ag-TiO₂ Nanoparticles for Application in Polymer Solar Cells ", the Third Iranian Conference on Renewable Energy and Distributed Generation, April 2013
- 66 Mohadeseh Rastgooy Deylami, Mehran Javanbakht, Laila Naji, Mehdi Ghaemi, "synthesis and electrochemical properties of flower-like LiFePO₄ as cathode material for lithium-ion batteries ", 19th Iranian Seminar of analytical Chemistry, February 2013
- 67 Mihammad Faridi, Laila Naji, Mehdi Ghaemi, Mehdi Rafizadeh, Mehran Javanbakht, "preparation and electrochemical study of nanocomposite polymer electrolyte based on PMMA-LiClO₄ For lithium ion polymer batteries ", 19th Iranian Seminar of analytical Chemistry, February 2013
- 68 Farshid Rahgozar Badi, Laila Naji, Tahereh Poursaberi, "Magnetic Nanoparticles modified with Fe(III)-Metaloporphyrin for selective removal of thiocyanate from aqueous solutions ", 19th Iranian seminar of analytical chemistry, February 2013
- 69 Laila Naji, "Investigation of the electrochemical and electromechanical behaviours of ionic polymer-metal nanocomposite (IPMNC actuators) ", International conference on mechanical engineering and advanced technology, October 2012
- 70 Khadijeh Houshyare, Mehran Javanbakht, Laila Naji, Morteza Enhesari, "Polyvinyl alcohol/BaZrO₃ nanocomposite membranes for the application of PEMFC ", The second Conference on Hydrogen & Fuel Cell, May 2012
- 71 Khadijeh Houshyare, Mehran Javanbakht, Laila Naji, Morteza Enhessari, "synthesis and characterization of polyvinyl alcohol/polyvinyl pyrrolidone/MnTiO₃ nano-hybrids for PEM fuel cells ", The second conference on hydrogen & fuel cell, May 2012
- 72 Khadijeh Houshyare, Mehran Javanbakht, Laila Naji, Morteza Enhessari, "Nanocomposite proton exchange membranes based on PVA- and PVA-PVP- Fe₂TiO₅ Nanoparticles for PEMFC ", 4th International conference on nanostructures (ICNS4), March 2012
- 73 Khadijeh Houshyare, Mehran Javanbakht, Laila Naji, Morteza Enhessari, "Physical and Electrochemical Study of Nafion/Fe₂TiO₅ nanocomposite Membranes for high temperature PEM Fuel Cells ", 4th international Conference on nanostructures (ICNS4), March 2012

74 Khadijeh Houshyare, Mehran Javanbakht, Laila Naji, Morteza Enhessarri, Abdolmohammad Attaran, "New Highly Proton-Conducting Nanocomposite Membranes Based on Poly Vinyl Alcohol/Poly Vinyl Pyrrolidone/BaZrO3 for PEMFC ", 5th Iranian Fuel Cell Seminar, February 2012

دروس ارائه شده

#	عنوان درس	توصیف درس	دوره سرفصل ها	دوره درسی
1	Analytical Atomic Spectroscopy	Nature of Spectrochemical Analysis Expression of Analytical information Evaluation Criteria in spectrochemical Techniques Calibration of Instrumental methods Introduction to atomic spectroscopy Flame and plasma Atomic emission spectrometry Arc and sp		Spring 2022
2	Industrial Electrochemistry	Fundamentals of Electrochemistry, Electroplating, Electrosynthesis, Electrocleaning, Electrorefining, Anodizing, Electroless plating, Corrosion, Li-ion batteries, Polymer electrolyte membrane fuel cells		Fall 2021
3	General Chemistry (I)	1. Chemistry and measurements 2. Atoms, molecules and ions 3. calculation with chemical formula and equations 4. Chemical reactions 5. The gaseous state 6. Thermo-chemistry 7. Quantum theory of the atom 8. Electron configuration and periodicity 9. lo		Fall 2021
4	Analytical Atomic Spectroscopy	Nature of Spectrochemical Analysis Expression of Analytical information Evaluation Criteria in spectrochemical Techniques Calibration of Instrumental methods Introduction to atomic spectroscopy Flame and plasma Atomic emission spectrometry Arc and sp		Spring 2021
5	General Chemistry (I)	1. Chemistry and measurements 2. Atoms, molecules and ions 3. calculation with chemical formula and equations 4. Chemical reactions 5. The gaseous state 6. Thermo-chemistry 7. Quantum theory of the atom 8. Electron configuration and periodicity 9. lo		Spring 2021
6	Industrial Electrochemistry	Electroplating, Electrosynthesis, Electrocleaning, Electrorefining, Anodizing, Electroless plating, Corrosion, Li-ion batteries, Polymer electrolyte membrane fuel cells		Spring 2021

اختراعات/ ثبت پتنت

#	عنوان اختراع	شماره ثبت	کشور ثبت کننده	همکاران	تاریخ ثبت	تاریخ انقضا
داده های ثبت شده در پورتال						
1	الکترولیت پلیمری بر پایه پلی وینیلیدین فلوراید (PVDF)/گرافن اکسید سولفونه (SGO) برای باتری های لیتیوم-یون	101194	-	مارال فولادوند، لایلا ناجی، مهران جوانبخت	1399/2/12	-
2	ساخت سیستم بررسی غشایی انتها بسته فشار بالا مجهز به همزن مغناطیسی	94877	-	سولماز ولی زادم، لایلا ناجی	1396/10/11	1415/12/11
3	کاربرد اکسید گرافن احیا شده در ساخت ماهیچه مصنوعی بر پایه ی پلیمرهای فعال الکتریکی نفیون و پلی بیرویل	92760	-	هاله رسولی، لایلا ناجی، میرقاسم حسینی	1396/4/10	1415/11/13

1415/7/10	1396/1/12	علیرضا رحمانیان، لیلا ناجی، فاطمه مهدی	-	91726	نانوکامپوزیت پلاتین/گرافن سولفونه به عنوان جوهر کاتالیست برای پیل سوختی مبادله کننده پروتون
1415/7/10	1395/12/11	شعله کاظمی فرد، لیلا ناجی، فرامرز افشار طارمی	-	91551	فرایند بهبود عملکرد سلول خورشیدی پلیمری با تغییر شکل در الکتروکاتد
1414/4/10	1394/4/10	شعله کاظمی فرد، لیلا ناجی، سحر محمودی، فرامرز افشار طارمی	-	86108	6 دستپایی به نقطه بهینه در فرایند لایه نشانی ترکیب پلی (3،4 - اتیلن دی اکسی تیوفن): پلی استایرن سولفونات (PEDOT:PSS) بر روی ایندیوم قلع اکساید (ITO) در سلول های خورشیدی پلیمری