



دانشگاه صنعتی امیرکبیر  
(پلی تکنیک تهران)

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| 2 | بررسی معماری مولکولی پلی‌ال‌های پلی‌اتری در تولید نانو کامپوزیت‌های پلی‌یورتان  | محمد علی پور محمدی ماهونگی و وحید حدادی اصل | تیر 1399      |
| 3 | شبیه‌سازی دینامیک مولکولی، سنتز و مشخصه‌یابی پلیمرهای قطعه‌ای پلی‌یورتان  | محمد مسعود میرحسینی و وحید حدادی اصل        | شهریور 1398   |
| 4 | بررسی معماری مولکولی پلی‌ال و نوع ذره بر جدایی فازی و خواص دینامیکی-مکانیکی نانو کامپوزیت‌های پلی‌اورتانی               | ایمان صاحبی جویباری و وحید حدادی اصل        | تیر 1398      |
| 5 | سنتز نانوذرات پلی‌میر توخالی با هسته متحرک و بررسی قابلیت کاربرد آنها در مهندسی بافت دارورسان                           | گولیا نیک روان و وحید حدادی اصل             | اردیبهشت 1397 |
| 6 | طراحی و ساخت بسترهای نانویاف هسته‌پوسته پلی‌کاپرولاکتن-هیدروکسی‌اپتایت دارورسان به منظور استفاده در مهندسی بافت استخوان | سید شهباز ززرگیان و وحید حدادی اصل          | تیر 1395      |
| 7 | طراحی و ساخت نانولیفی الکتروریسی شده برای مهندسی بافت استخوان   | ایمان شعبانی و وحید حدادی اصل               | بهمن 1392     |
| 8 | بررسی سینتیک واکنش پلیمریزاسیون رادیکالی انتقال اتم استایرن در حضور نانوصفحات گرافن اصلاح شده                           | حسین روغنی ممقانی و وحید حدادی اصل          | آذر 1392      |
| 9 | تهیه نانو کامپوزیت پلی‌استایرن/خاک رس با استفاده از پلیمریزاسیون انتقال به زنجیر کاتالیزوری برگشت پذیر                  | حسین افشاریان مقدم و وحید حدادی اصل         | مهر 1392      |

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| 10 | بررسی سینتیک پلیمریزاسیون افزایشی - جدایشی برگشت پذیر در حضور ذرات نانو                                     | مهدی سلامی کلجاهی و وحید حدادی اصل    | آذر 1390    |
| 11 | بررسی عوامل موثر بر مورفولوژی نانوکامپوزیت ساخته شده از روش پلیمر شدن امولسیون همزمان در حضور مونت موریلونت | مهدیه رضایی و وحید حدادی اصل          | آذر 1388    |
| 12 | شبیه سازی سیستم های پلیمریزاسیون رادیکال آزاد کنترل شده / زنده با روش مونت کارلو و مقایسه با نتایج ت        | محمد نجفی و وحید حدادی اصل            | دی 1387     |
| 13 | مدلسازی و کنترل راکتور دومنظوره پلیمریزاسیون حالت جامد PET  | محسن مظلوم فارسی باف و وحید حدادی اصل | شهریور 1387 |
| 14 | سنتز و مدلسازی پلیمریزاسیون اکریل آمید به روش سوبی  | حسین بوهندی و وحید حدادی اصل          | آذر 1386    |

## پایان نامه های کارشناسی ارشد

| #  | عنوان پایان نامه  | توسط                               | تاریخ دفاع  |
|----|---|------------------------------------|-------------|
| 1  | تهیه ذرات هسته-پوسته PLGA و مولکول مدل به منظور بررسی تاثیر روش سنتز بر نرخ رهايش.  | زهرا روشن و وحید حدادی اصل         | اسفند 1400  |
| 2  | تهیه کپسول های بر پایه ی پلی دوپامین با استفاده از الگوهای سخت به منظور بررسی خواص جذب و رهايش دارو                             | الهه عبداللهی و وحید حدادی اصل     | مهر 1400    |
| 3  | تهیه کپسول پلی دوپامین با استفاده از امولسیون پیکرینگ به منظور بررسی خواص رهايش دارو  | مستوره شیرجندی و وحید حدادی اصل    | مهر 1400    |
| 4  | سنتز واکس پلی اتیلنی با استفاده از کاتالیست متالوسنی  | علی خسروانی مقدم و وحید حدادی اصل  | مهر 1400    |
| 5  | اصلاح نانو ذره مونت موریلونیت و به کارگیری آن در سنتز در جای پلی اتیلن با استفاده از کاتالیست زیگلر-ناتا                        | پریا غلامی خشگناب و وحید حدادی اصل | مهر 1400    |
| 6  | فارسی: سنتز کامپوزیت های نانو تیوپ هالوزیت عامل دار شده/پلی ارتو آمینو فنل/مابیع یونی خاص برای کاربرد در مواد الکترودی ابر خازن | نریمان نیک زاد و وحید حدادی اصل    | اسفند 1399  |
| 7  | سنتز نانوکامپوزیت های گرافن ریبون عامل دار شده / پلیمر رسانا گونه p به عنوان الکتروود کارآمد جدید در ابرخازن ها                 | حانیه احمدی و وحید حدادی اصل       | شهریور 1399 |
| 8  | پلیمریزاسیون درجای نانوکامپوزیت پلی پروپیلن به همراه هالوزیت اصلاح شده با استفاده از کاتالیزور زیگلر-ناتا                       | پگاه شیخ و وحید حدادی اصل          | بهمن 1398   |
| 9  | پلیمریزاسیون درجای نانوکامپوزیت پلی اتیلن به همراه هالوزیت اصلاح شده با استفاده از کاتالیزور زیگلر-ناتا                         | پویا جعفری و وحید حدادی اصل        | بهمن 1398   |
| 10 | سنتز نانوکامپوزیتهای زیستی بر پایه نانولوله طبیعی هالوزیت و دوپامین به منظور بررسی خواص رهايش مولکول مدل                        | فاطمه خانی پور و وحید حدادی اصل    | مهر 1398    |
| 11 | سنتز در جای نانوکامپوزیتهای پلی یورتانی در حضور نانو ذرات هالوزیت عامل دار شده با Fe3O4 با رفتار حافظه شکلی                     | فاطمه محمدزاده و وحید حدادی اصل    | شهریور 1398 |
| 12 | سنتز نانو کامپوزیت های دی اکسید تیتانیوم/ پلیمر مابیع یونی / گرافن اکساید عامل دار شده برای تخریب فتوکاتالیستی بنزن و تولوئن    | شایسته شجری و وحید حدادی اصل       | اسفند 1397  |
| 13 | بررسی اصلاح سطحی فیزیکی و شیمیایی نانولوله کربنی بر خواص الکتربکی و مکانیکی نانوکامپوزیت پلی یورتانی                            | مهری حاجی و وحید حدادی اصل         | اسفند 1397  |
| 14 | بررسی حضور نانو لوله ی هالوزیتی در سنتز پلی یورتان و تاثیر آن بر خواص نانو کامپوزیت پلی یورتانی                                 | هادی اولیائی و وحید حدادی اصل      | اسفند 1397  |

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| 1397 | مژده اذرنیا و وحید حدادی<br>اصل                | تولید الیاف فوق آبدوست آلیاژی و کامپوزیتی پلی لاکتیک اسید با توانایی حفظ بلند مدت خواص در محیط های آبی و نانو کامپوزیتی                                       | تیر    |
| 1397 | محمد یزدی و وحید حدادی<br>اصل                  | سنتر و بررسی اثر MWCNT برخواص مکانیکی نانو کامپوزیت های پلی یورتان  | تیر    |
| 1396 | زهرا کفراشیان و وحید حدادی<br>اصل              | بررسی خواص آب دوستی نانوالیاف الکتروپرسی شده آلیاژی و نانوکامپوزیتی LGA/Pluronic/nHAP   | بهمن   |
| 1395 | سیده مهناز مدرس سریزدی و وحید حدادی<br>اصل     | بررسی اثر درجه ی شبکه ای شدن بر رفتار پاسخگویی به محرک نانو هیدروژل های بر پایه ی پلی(اکریلیک اسید)   | بهمن   |
| 1395 | مهسا حکانی و وحید حدادی<br>اصل                 | اصلاح سطحی قطعات پلیمری پلی اتیلنی و پلی پروپیلنی با کاربری زیستی   | بهمن   |
| 1394 | مائده قادری قهقرخی و وحید حدادی<br>اصل         | بررسی زیست فعالی نانو ذرات اصلاح شده هالوزیت در بستر نانو الیافی پلی کاپرولاکتان  | مهر    |
| 1394 | محمدمسعود میرحسینی و وحید حدادی<br>اصل         | تهیه نانو الیاف الکتروپرسی شده پلی کاپرولاکتون/پلورونیک به همراه نانو ذرات اصلاح سطحی شده ی هیدروکسی آپاتیت به منظور استفاده در کاربردهای مهندسی بافت استخوان | مهر    |
| 1394 | لیلا نویین و وحید حدادی<br>اصل                 | بررسی پلیمریزاسیون ATRP دی متیل آمینو اتیل متاکریلات در حضور نانو ذرات هالوزیت و خواص انتقال دارو   | مهر    |
| 1393 | زهرا آقایی و وحید حدادی<br>اصل                 | ساخت و بهینه سازی غشای نانوکامپوزیتی پلی آمید-6-b-اتیلن اکسید SiO2(PEBAX) برای جداسازی گازها  | مهر    |
| 1393 | فاطمه سادات حسینی و وحید حدادی<br>اصل          | ساخت بسترهای کامپوزیتی نانوساختار زیست تخریب پذیر از مشتقات سلولزی  | مهر    |
| 1393 | هامون همت پور و وحید حدادی<br>اصل              | تهیه ی نانو کامپوزیت پلیمری بر پایه ی نانو لوله های طبیعی هالوزیت به روش ATRP   | مهر    |
| 1393 | شهاب الدین جعفرزاده و وحید حدادی<br>اصل        | تهیه نانوکامپوزیت پلیمری بر پایه ی نانو لوله های طبیعی هالوزیت به روش RAFT  | تیر    |
| 1392 | زهره جلالی و وحید حدادی<br>اصل                 | طراحی و ساخت داربست نانوکامپوزیتی بر مبنای نانوالیاف ژلاتین و پلی(لاکتیک اسید) حاوی نانوذرات هیدروکسی آپاتیت برای مهندسی بافت استخوان                         | مهر    |
| 1392 | الناز زینالی و وحید حدادی<br>اصل               | تهیه نانو کریستال های سلولز با پیوند پلیمری به روش پلیمریزاسیون RAFT  | مهر    |
| 1392 | محمدعلی پورمحمدی ماهونکی و وحید حدادی<br>اصل   | سنتر پلیمر مقاوم دمایی بر پایه اکریل آمید و ارزیابی کارایی آنها در ازدیاد برداشت نفت  | شهریور |
| 1391 | مسعود ثعبانی و وحید حدادی<br>اصل               | پلیمریزاسیون انتقال افزایش-جدایشی برگشت پذیر استایرن در حضور نانو پرکننده متخلخل  | آبان   |
| 1391 | سیدعطاءالله میرشفیعی لنگری و وحید حدادی<br>اصل | تهیه نانو کامپوزیت پلی استایرن در حضور پرکننده متخلخل با ابعاد نانو با روش پلیمریزاسیون رادیکالی انتقال اتم درجا  | آبان   |
| 1390 | عباس اسفده و وحید حدادی<br>اصل                 | تهیه پلی استایرن با وزن مولکولی کنترل شده در حضور ذرات نانو حفره ای MCM-41 به روش ATRP درجا   | اسفند  |
| 1390 | پژمان گنجه انزایی و وحید حدادی<br>اصل          | بررسی سنتر کولپلیمر سه قطعه ای استایرن - دی ان مونومر-استایرن(SDMS) به روش انتقال افزایشی-جدایشی برگشت پذیر(RAFT)   | اسفند  |
| 1389 | فرید بهبودی سعد آباد و وحید حدادی<br>اصل       | ساخت نانو کامپوزیت پلی متیل متاکریلات - نانو لوله کربنی به روش پلیمریزاسیون درجا  | اسفند  |
| 1389 | سعید رحیمی رزین و وحید حدادی<br>اصل            | سنتر پلی متیل متاکریلات با روش RAFT-ISP در حضور نانو لوله کربنی   | اسفند  |

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| 36 | تهیه نانوکامپوزیت کopoly (استایرن-بوتیل آکریلات)/ خاک رس با روش ATRP در سیستم امولسیون  | لیلا حاتمی و وحید حدادی اصل          | اسفند 1389    |
| 37 | تهیه نانو کامپوزیت پلی استایرن / خاک رس با روش ATRP در سیستم امولسیون   | خضرا له خضری و وحید حدادی اصل        | اسفند 1389    |
| 38 | تهیه نانوکامپوزیت کopoly (استایرن-بوتیل آکریلات)/ خاک رس با روش ATRP در سیستم توده ای   | لیلا احمدیان علم و وحید حدادی اصل    | بهمن 1389     |
| 39 | بررسی اثر پارامتر های مؤثر بر الکترورسی نانو الباف بر پایه پلیمرهای مورد مصرف در غشاهای تبادلگر یون                             | ایمان شعبانی و وحید حدادی اصل        | دی 1388       |
| 40 | تهیه نانو کامپوزیت پلی استایرن/ خاک رس با روش پلیمریزاسیون رادیکالی انتقال اتم درجا   | حسین روغنی ممقانی و وحید حدادی اصل   | آبان 1388     |
| 41 | طراحی و ساخت داربستهای هیبریدی زیست تخریب پذیر نانو ساختار برای بازسازی بافت های غضروفی بایکالگری سلولهای بنیادی مزانشیمی       | وحید محمدجعفر و وحید حدادی اصل       | آذر 1387      |
| 42 | طراحی و ساخت بسترهای کامپوزیتی پلیمر- سرامیک نانو ساختار زیست تخریب پذیر به منظور تمایز سلول های بنیادی به سلول های استخوان ساز | سیدشهرز زگریران و وحید حدادی اصل     | آذر 1387      |
| 43 | بررسی تاثیر الکترون دهنده (THF) در پلیمریزاسیون اتیلن در راکتور فاز دوغابی بر روی خواص پلیمر نظیر PSD و DMW و فعالیت ک          | محمدحسین بیات و وحید حدادی اصل       | مهر 1386      |
| 44 | شبیه سازی پلیمریزاسیون دوغابی اتیلن انجام شده توسط کاتالیزورهای زیگلا - ناتاباستفاده از روش مونت کارلو                          | مهدی سلامی کلجاهی و وحید حدادی اصل   | مهر 1386      |
| 45 | تهیه و بررسی خواص نانو کامپوزیت پلی اتیلن / مونت موریلونیت از طریق پلیمریزاسیون همزمان  | وحید کریم خانی و وحید حدادی اصل      | مهر 1386      |
| 46 | بررسی برخی عوامل فرایندی مؤثر در تولید پلی (آمید ایمید) برای دستیابی به ویسکوزیته ذاتی مناسب                                    | حسین افشاریان مقدم و وحید حدادی اصل  | مهر 1385      |
| 47 | بررسی عوامل مؤثر بر روی پلیمریزاسیون کاتالیستی پلی پروپیلن  | رضا خراسانی و وحید حدادی اصل         | تیر 1385      |
| 48 | بررسی اثر کومونومر بر مورفولوژی ذرات و توزیع وزن مولکولی و توزیع کopolymer در محصول HDPE تولید شده بر روش دوغابی با کاتالیس     | امین جهانشاهی و وحید حدادی اصل       | اردیبهشت 1385 |
| 49 | بررسی مکانیسم و سینتیک پلیمریزاسیون HDPE بر روش دوغابی با کاتالیزورهای زیگلر-ناتا   | مازیار صدیقی مقدم و وحید حدادی اصل   | اسفند 1384    |
| 50 | بررسی اثر کاتالیزورهای مختلف زیگلر-ناتا در پلیمریزاسیون HDPE در فاز دوغابی  | محمد نجفی و وحید حدادی اصل           | خرداد 1384    |
| 51 | مدلسازی و کنترل سنتز رزین وینیل استر در اکتور ناپیوسته  | حسام قاسمی و وحید حدادی اصل          | آبان 1383     |
| 52 | مطالعه رفتار ویسکو الاستیک یک قطعه الاستومری تحت بار دینامیک بمنظور پیش بینی گرادیان دمایی در قطعه : مدلسازی ریاضی و بر         | مژده گل محمدی و وحید حدادی اصل       | مهر 1383      |
| 53 | بررسی پارامترهای مؤثر در ساخت الکترودهای پلیمری برپایه کامپوزیت هادی  | علی فرشیدفر و وحید حدادی اصل         | تیر 1383      |
| 54 | مدلسازی پلیمریزاسیون تحلیقی استایرن جهت پیش بینی خواص)جرم مولکولی)  | محمدرضا حدادی و وحید حدادی اصل       | تیر 1383      |
| 55 | بررسی تاثیر سیستم کاتالیتی زیگلا-ناتا   | محمدرضا صائب و وحید حدادی اصل        | آبان 1381     |
| 56 | بررسی تاثیر پارامترهای عملیاتی برافزایش جرم   | علیرضا خدایی و وحید حدادی اصل        | آبان 1381     |
| 57 | بررسی تاثیر توزیع دوده در هدایت الکتریکی کامپوز   | سیدجعفر صادقی حسینی و وحید حدادی اصل | تیر 1381      |

58 کامپوزیت‌های هادی جریان برق‌رپایه پلی الفینها  
فرشاد محافظت کار کنفی و تیر 1381  
وحید حدادی اصل

59 سنتز چسب زیست سازگار و زیست تخریب پذیر  
رزا قوام زاده و وحید حدادی خرداد  
1380 اصل

## کتاب

| #                          | عنوان  | نگارندگان/مترجمان  | کشور ناشر      | تاریخ انتشار | نسخه |
|----------------------------|--|--|----------------|--------------|------|
| داده های ثبت شده در پورتال |  |  |                |              |      |
| 1                          | مبانی مهندسی پلیمریزاسیون (جلد سوم) روش های پلیمریزاسیون (ویرایش سوم)                              | وحید حدادی اصل, حسین بوهندی                              | ایران          | 1400         | 1    |
| 2                          | مبانی مهندسی پلیمریزاسیون (جلد پنجم) نانوپلیمرها و نانوکامپوزیت‌های پلیمری                         | وحید حدادی اصل   | ایران          | 1399         | 1    |
| 3                          | Aramid fibers composites to innovative sustainable materials for biomedical applications CHAPTER 6 | الهه کوثری, وحید حدادی اصل, فرشاد بوربور اژدری, جعفر همت | United Kingdom | 1398         | 1    |
| 4                          | مبانی مهندسی پلیمریزاسیون (جلد سوم) روشهای پلیمریزاسیون - ویرایش دوم                               | وحید حدادی اصل, حسین بوهندی                              | ایران          | 1394         | 1    |
| 5                          | پلیمرهای رسانا   | وحید حدادی اصل   | ایران          | 1393         | 1    |
| 6                          | کاربرد پلیمرها در معماری   | زهرا قیابگلو, وحید حدادی اصل                             | ایران          | 1387         | 1    |
| 7                          | کاربردها پلیمرها در پزشکی (جلد دوم) پروتزهای پلیمری  | وحید حدادی اصل, یوسف محمدی                               | ایران          | 1387         | 1    |
| 8                          | کاربرد پلیمرها در پزشکی (جلد اول) زیست سازگاری پلیمرها و پلیمرهای زیست سازگار                      | وحید حدادی اصل, رعنا ایمانی                              | ایران          | 1387         | 1    |
| 9                          | پلی اولفین ها (چاپ اول)  | صادق عابدی, وحید حدادی اصل                               | ایران          | 1386         | 1    |
| 10                         | پلیمریزاسیون گئوردیناسیونی الفین ها  | صادق عابدی, وحید حدادی اصل                               | ایران          | 1386         | 1    |
| 11                         | پلیمریزاسیون های کنترل شده /زنده   | محمدزمان نجفی , مهدی سلامی کلجاهی, وحید حدادی اصل        | ایران          | 1386         | 1    |
| 12                         | مبانی مهندسی پلیمریزاسیون (جلد چهارم) طراحی راکتورهای پلیمری                                       | وحید حدادی اصل   | ایران          | 1386         | 1    |
| 13                         | مقدمه ای بر کاربرد نانو فناوری در پلیمرها  | وحید حدادی اصل, وحید کریم خانی                           | ایران          | 1386         | 1    |
| 14                         | مقدمه ای بر کاتالیزورهای زیگلر-ناتا  | وحید حدادی اصل, مهدی سلامی کلجاهی                        | ایران          | 1386         | 1    |
| 15                         | نگاهی نو به مبانی مدیریت صنعتی   | وحید حدادی اصل   | ایران          | 1385         | 0    |
| 16                         | تکنولوژی پلیمرها - مبانی مهندسی پلیمریزاسیون (جلد اول) ویرایش دوم                                  | وحید حدادی اصل   | ایران          | 1385         | 3    |
| 17                         | مبانی مهندسی پلیمریزاسیون (جلد دوم) واکنشهای پلیمریزاسیون (ویرایش دوم)                             | وحید حدادی اصل   | ایران          | 1385         | 2    |
| 18                         | مبانی مهندسی پلیمریزاسیون (جلد سوم) روشهای پلیمریزاسیون  | وحید حدادی اصل, حسین بوهندی                              | ایران          | 1383         | 1    |
| 19                         | مبانی مهندسی پلیمریزاسیون (جلد اول) تکنولوژی پلیمرها   | وحید حدادی اصل   | ایران          | 1380         | 1    |
| 20                         | مبانی مهندسی پلیمریزاسیون (جلد دوم) واکنشهای پلیمریزاسیون  | وحید حدادی اصل   | ایران          | 1380         | 1    |

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|---|--|---|--------------------|
| 1 | Polymerization of Polymer Nano-Systems           | Application of nanotechnology in polymer industries and in-situ polymerization of nonoparticles and nanocomposites  | Spring 2022        |
| 2 | Polymerization Reaction Engineering              | An Introduction to Polymerization Reaction Medium and Effect on Molecular Architecture using Molecular Engineering and Modeling to Produce Polymeric Products with Desirable Properties               | Spring 2022        |
| 3 | Polymerization Engineering                       | An Introduction to Polymerization Reaction Engineering and Molecular Architecture using Molecular Engineering and Modeling to Produce Polymeric Products with Desirable Properties                    | Spring 2022        |
| 4 | Advanced Engineering of Polymerization Processes | An Introduction to Polymerization Reaction Medium and Effect on Molecular Architecture using Molecular Engineering and Modeling to Produce Polymeric Products with Desirable Properties               | Fall 2021          |
| 5 | Polymerization Engineering                       | An Introduction to Polymerization Reaction Engineering and Molecular Architecture using Molecular Engineering and Modeling to Produce Polymeric Products with Desirable Properties                    | Fall 2021          |
| 6 | Polymer Engineering Reactions                    | An Introduction to Polymerization Reaction Reactors & Processes and Effect on Molecular Architecture using Molecular Engineering and Modeling to Produce Polymeric Products with Desirable Properties | Fall 2021          |
| 7 | Polymerization Engineering                       | An Introduction to Polymerization Reaction Engineering and Molecular Architecture using Molecular Engineering and Modeling to Produce Polymeric Products with Desirable Properties                    | Spring 2021        |
| 8 | Polymerization Reaction Engineering              | An Introduction to Polymerization Reaction Medium and Effect on Molecular Architecture using Molecular Engineering and Modeling to Produce Polymeric Products with Desirable Properties               | Spring 2021        |
| 9 | Polymerization of Polymer Nano-Systems           | Application of nanotechnology in polymer industries and in-situ polymerization of nonoparticles and nanocomposites  | Spring 2021        |

### اختراعات/ ثبت پتنت

| #                          | عنوان اختراع   | شماره ثبت کننده | کشور ثبت کننده | همکاران   | تاریخ ثبت | تاریخ انقضا |
|----------------------------|--|-----------------|----------------|---|-----------|-------------|
| داده های ثبت شده در پورتال |  |                 |                |   |           |             |
| 1                          | نانوکامپوزیت پلی آکریلونیتریل با خاصیت بازدارندگی شعله حاوی نقاط کوانتومی گرافن اصلاح شده با فسفر        | 98173           | -              | طاهر رحیمی اقدم، زهرا شریعتی نیا، مینا هاکارابیان، وحید حدادی اصل | 1397/4/10 | 1416/10/30  |
| 2                          | سنتز نانوصفحات بلوری فسفات آهن و کاربرد آن در تهیه نانوکامپوزیت پلی آکریلونیتریل با خواص بازدارندگی شعله | 98154           | -              | طاهر رحیمی اقدم، زهرا شریعتی نیا، مینا هاکارابیان، وحید حدادی اصل | 1397/4/10 | 1416/10/30  |



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|------------|------------|---|----------------------------|-----------|---|----|
| 1408/3/12  | 1388/3/11  | حسین روغنی ممقانی, وحید حدادی اصل, محمد نجفی, مهدی سلامی  | Iran (Islamic Republic of) | 388040088 | فرایند تولید پلی بوتیل اکریلات و نانو کامپوزیت پلی استایرن به روش رایکالی زنده.           | 3  |
| 1408/2/12  | 1388/2/11  | حسین روغنی ممقانی, وحید حدادی اصل, محمد نجفی, مهدی سلامی  | Iran (Islamic Republic of) | 388030165 | سنتز پلی اکریلونیتریل با وزن مولکولی کنترل شده با روش پلیمر یزاسیون رادیکالی انتقال اتم   | 4  |
| 1406/12/11 | 1386/12/11 | وحید حدادی اصل, وحید کریم خانی  | Iran (Islamic Republic of) | 386121168 | تولید نانوکامپوزیت پلی الفین خاک رس با روش هیبریدی پلیمریزسیون درجا و اختلا مذاب          | 5  |
| 1406/6/10  | 1386/6/10  | محمد نجفی, وحید حدادی اصل, مهدی سلامی   | Iran (Islamic Republic of) | 38606408  | سنتز و ساخت چسب پلی یورتان برپایه روغن تانگ   | 6  |
| 1406/6/10  | 1386/6/10  | آرش وحیدی, وحید حدادی اصل   | Iran (Islamic Republic of) | 38606409  | تهیه کامپاندهای پلی پروپیلن مقاوم به خراش در مقیاس صنعتی جهت کاربرد در ساخت قطعات خودروبی | 7  |
| 1405/12/10 | 1385/12/10 | وحید حدادی اصل  | Iran (Islamic Republic of) | 38512611  | ساخت و تولید رزین وینیل استرویزه  | 8  |
| 1405/12/10 | 1385/12/10 | حسین افشاری اسفیدماجانی, وحید حدادی اصل   | Iran (Islamic Republic of) | 38512616  | تولید پلی امید ایمید به عنوان روکشهای فیلمها و چسبهای مقاوم حرارتی                        | 9  |
| 1405/8/10  | 1385/8/10  | مهرداد سیف علی عباسی آبادی, صادق عابدی, مهدی حسن نژاد, وحید حدادی اصل, سیدمهدی قافله باشی زرنند | Iran (Islamic Republic of) | 38509040  | استفاده از پروموتورهای هالوکربنی در پلیمر یزاسیون دوغابی با کاتالیست زیگلر ناتا           | 10 |
| 1405/5/10  | 1385/5/10  | وحید حدادی اصل, محسن مظلوم فارسی باف, مهدی رفیع زاده  | Iran (Islamic Republic of) | 38705968  | طراحی و ساخت دستگاه گازی سیکل بسته پلیمر یزاسیون حالت جامد پلی اتیلن نرفتالات             | 11 |