

Sadegh Rostamnia

- Professor (Full) of Chemistry (G31),
- Advanced Porous Materials and Energy Technology (APMET) LAB., Department of Chemistry, Iran University of Science and Technology (IUST), Tehran, Iran.

صادق رستم نیا

دانشگاه علم و صنعت ایران-دانشکده شیمی -گروه شیمی آلی-استاد-رسمی قطعی پایه ۳۱ (استخدام ۱۳۸۹/۱۱/۱۵)

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<https://scholar.google.com/citations?user=Vj1e8I8AAAAJ&hl=en>

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Research ID: J-1546-2016

Scopus Author ID: 13404144500

انتشارات:

- مقاله ISI: بیش از ۲۲۳ Q1=121, Q2=68

- مقاله مروری: ۱۳

-مقاله پر استناد و مقاله داغ: ۱۵ مقاله پر استناد -۳ مقاله داغ - ۴ مقاله طرح جلد مجله

- همکاری بین المللی (دیپلماسی علمی): ۴۱٪ مقالات در کل و ۷۵٪ در دو سال اخیر

-مقالات در مجلات ۱۰٪ برتر CiteScore: بیش از ۲۷٪

- شاخص هارش (h-index): ۶۰ [63 (google scholar), 60 (Scopus)]

- شاخص ارجاعات (Citation): ۱۰۲۴۶ [11215 (google scholar), 10246 (Scopus)]

-کتاب: ۳ کتاب فارسی و ۲ انگلیسی

-فصل کتاب: ۵ فصل کتاب در انتشارات وایلی (۱)، الزویر (۱)، اشپرینگر (۱)، تایلر/فرانسیس (۱) و RSC (۱)

-مقالات داخلی: بیش از ۱۵۰ مقاله داخلی

-پتنت: ۲ داخلی (۱ تصویب آب از فلز سنگین با مواد مزوپورس و ۱ حذف نیترات آب با نانومواد متخلخل)

-طرح پژوهشی خارج از کشور (بین المللی): مجری ۲ عدد- [طرح مشترک ایران-ترکیه ICRP و مشترک بنیاد ملی علم ایران (INSF) و

بنیاد ملی علوم طبیعی چین (NSFC)]

-طرح پژوهشی خارج از دانشگاه: ۸ طرح (صندوق حمایت از پژوهشگران)-مشترک با علوم پزشکی [علوم پزشکی تهران ۱ در حال

اجرا)، علوم پزشکی ارومیه (۴ در حال اجرا)، علوم پزشکی مراغه (۴ اتمام)، علوم پزشکی فسا (۲ اتمام و ۳ در حال اجرا)]

۲۰۱۶	فرصت مطالعاتی	ژاپن-موسسه ملی علوم مواد -تسوکوبا- NIMS پروفیسور یامائوچی و پروفیسور ایده
۱۳۹۰	پسادکتری	تهران-دانشگاه تربیت مدرس-دکتر علی مرسلی-با اجازه دانشگاه مراغه/تربیت مدرس
۲۰۰۹	فرصت مطالعاتی	چین-موسسه نانوتکنولوژی چین-DICP پروفیسور کن لی و پروفیسور چیهوا یانگ
۱۳۸۹	دکتری-شیمی آلی	تهران-دانشگاه تربیت مدرس-دکتر عبدالعلی علیزاده-رساله برتر دانشگاه-ممتاز دوره
۱۳۸۵	کارشناسی ارشد- شیمی آلی	تهران-دانشگاه تربیت مدرس-دکتر عبدالعلی علیزاده-پژوهشگر برتر دانشگاه-رتبه ۳۵ ورودی- شاگرد اول دوره
۱۳۸۳	کارشناسی-شیمی محض	زنجان-دانشگاه زنجان-دکتر محمدرضا یافتیان

Academic and professional career:



- 2016** Visiting professor, Material Science (The architecting of advanced nanomaterials for photocatalytic and electrocatalytic applications with Prof. Yusuke Yamauchi), National Institute for Materials Science (NIMS), Tsukuba, Japan
- 2011** Short Stay, Nanochemistry (metal-organic frameworks-MOFs with Prof. Ali Morsali), Tarbiat Modares University, Tehran, Iran
- 2009** Visiting Scholar, Nanochemistry (hybrid mesoporous material with Prof. Qihua Yang), Dalian Institute Chemical Physics (DICP- CAS), Dalian, China
- 2010** Ph.D., Organic Chemistry (multicomponent reactions- MCRs with Prof. Abdolali Alizadeh), Tarbiat Modares University, Tehran, Iran
- 2006** M.Sc., Organic Chemistry (multicomponent reactions- MCRs with Prof. Abdolali Alizadeh), Tarbiat Modares University, Tehran, Iran
- 2004** B.Sc., Pure Chemistry (liquid -liquid extraction of Eu^{+3} with Prof. M. Reza Yaftian), Zanjan University, Zanjan, Iran

Main research interests:

- Periodic mesoporous organosilicas (PMOs) and metal oxide mesoporous design and chemical modification of surfaces (M@meso : $\text{M} = \text{Pt, Pd, Au, Co, Mn, Mo, W, Cu, Ag} \dots$)
- Metal-Organic Frameworks (MOFs) as organic reaction inductor
- Hybrid Magnetic Biopolymeric Nanocomposites: $\text{Fe}_3\text{O}_4@\text{C/M}$, $\text{Fe}_3\text{O}_4@\text{M}_x\text{O}_y/\text{M}^{n+}$, $\text{Fe}_3\text{O}_4@\text{polymers}$
- Sustainable, Green and Environmental Chemistry:
Photocatalysis, H_2 -generation, Water oxidation, Clean production, Advanced oxidation processes (AOPs), Catalytic oxidation/reduction and cross-coupling organic transformations process, Degradation/removal of drugs, antibiotic, pollution and dyes.
- Carbon-based nanocomposites: Exfoliation of graphene oxides (GO, rGO, g- C_3N_4) and metal@C.

Publications:

- Author and co-author of more than 223 scientific ISI papers, 13 reviews article, 4 book chapter, 5 book (3 Persian and 2 English) and more than 150 national paper and abstracts.
- h-index: 60 (Scopus), 63 (google scholar).
- Citation: 1246 (Scopus), 11215 (google scholar).

Honors:

- **Nationally Distinguished Researcher** - Selected by the Ministry of Science, Research and Technology in Basic Sciences 2024
- Top Researcher, Iran University of Science and Technology - Faculty of Chemistry - 2024
- **Nationally Distinguished Chemist 2024** - Selected by the Iranian Chemical Society
- **Nationally Distinguished Scientist** - 2023 - Scientific Vice President of Iran
- **ESI Top 1% International Scientist (2020-now)**
- **Top Young Chemist of Iran** - Abu Rayhan award, 2017- Elected to Iranian Academy of Sciences.
- Elected Top Professor Lecturer in Maragheh University-2019
- **Nomenclature a first Iranian chemist name reaction:** Oakes-Yavari-Nair (OYN) reaction dedicated to Prof Issa Yavari on 20th the discovery of his reaction
- Selected of our work as Back cover of Chem.Commun, 2018.
- Most cited paper of Metal-organic frame works (MOFs) field- 2018- Web of Science.
- **12th National Festival of Nanotechnology-** IRAN Nanotechnology Innovation Council (INIC), One of the 100 leading national nanotechnology researchers in 1396 (2017).
- Selected of our work as Front cover of journal, Hot topic of Wiely-2019- Chemistry - A European Journal
- **Young academic staff awarded**-Research grant of Dr Kazemi-Ashtiani- Vice-Presidency for Science and Technology (VPST) 2014
- Selected of our work as Front cover in Appl. Organometal. Chem. 2017, 3, 1-6.

- Most cited author-Royal Society of Chemistry (RSC) (Top 10% highly cited RSC Adv., 2014,4, 28238)
- Highlighted paper of Chinese Chemical Letters, 24, 2013, 401 (Science Direct)
- **9th National Festival of Nanotechnology**- IRAN Nanotechnology Innovation Council (INIC), One of the 100 leading national nanotechnology researchers in 1393 (2014).
- Most Cited Paper in 2016 on the Use of Mesoporous Materials for Heavy Metal Separation (SBA-15) - Introduced by Web of Science
- Including 5% of articles in 2013- Chinese Chemical Letters 23, 2012, 930 (Science Direct)
- Most cited paper of year for Wiley Publications - Most Cited-Thomson Reuters©Web of Science Appl. Organometal. Chem. 2013, 27, 348
- Most cited paper of 2016 in Nanoporous materials- Introduced by Web of Science
- **11th National Festival of Nanotechnology**- IRAN Nanotechnology Innovation Council (INIC), One of the 100 leading national nanotechnology researchers in 1395 (2016)-Ranked 24th in Chemistry and 56th in Nanotechnology.
- Distinguished researcher of East-Azarbayjan province, Iran, 2016
- Member of the National Elite Foundation.
- **10th National Festival of Nanotechnology**- IRAN Nanotechnology Innovation Council (INIC), One of the 100 leading national nanotechnology researchers in 1395 (2015)- Ranked 42 in Chemistry
- Top Researcher of Maragheh University (1364) 2015
- Top Researcher in Faculty of Science- University of Maragheh, 1392 (2013).
- Top Doctoral dissertation and researcher of Tarbiat Modares 1390 (2010).
- Top researcher and thesis of Tarbiat Modares University-1386 (2007)
- Top in Master's Degree-1385 (2006)

افتخارات (Honors):

- ✓ پژوهشگر برگزیده کشور-برگزیده علوم پایه-وزارت علوم، تحقیقات و فناوری ۱۴۰۳
- ✓ پژوهشگر برتر دانشگاه علم و صنعت ایران-دانشکده شیمی-۱۴۰۳
- ✓ شیمیدان برجسته کشور ۱۴۰۳-منتخب انجمن شیمی ایران
- ✓ سرآمد علمی کشور-۱۴۰۲-معاونت علمی ریاست جمهوری ایران
- ✓ پژوهشگر برتر شایسته تقدیر-دانشگاه علم و صنعت ایران ۱۴۰۲
- ✓ جزو دانشمندان ۱٪ جهان-ESI از سال ۱۳۹۹-۱۴۰۰-۱۴۰۱-۱۴۰۲ و ۱۴۰۳
- ✓ مجری دو طرح بین المللی (ایران/چین ۱۴۰۲ و ایران/ترکیه ۱۴۰۲)
- ✓ دانشمند ۲٪ سال ۱۴۰۲ و ۱۴۰۳
- ✓ جزو ده طرح برگزیده (Topten) جایزه کنز
- ✓ پژوهشگر برتر کشور و برنده جایزه ابتکار-۱۳۹۹ - منتخب مرکز ملی صلح و محیط زیست ایران
- ✓ پژوهشگر جوان برجسته شیمی کشور- برنده جایزه ابوریحان ۱۳۹۶-منتخب فرهنگستان علوم ایران
- ✓ عضو شورایعالی انجمن شیمی ایران
- ✓ عضو هیات مدیره انجمن شیمی ایران

- ✓ نماینده هیات مدیره انجمن شیمی ایران در کمیته دانشجویی کشور
- ✓ عضو کمیته شیمی آلی ایران
- ✓ دبیر کمیته شیمی آلی ایران
- ✓ مجری طرح بین المللی-بنیاد ملی علم ایران و بنیاد ملی علوم طبیعی چین (NSFC-INSF) -۱۴۰۲
- ✓ مجری طرح بین المللی-طرح مشترک ایران-ترکیه ICRP-۱۴۰۱
- ✓ جزو دانشمندان ۲٪ -گزارش وزارت محترم علوم، تحقیقات و فناوری
- ✓ نامگذاری و معرفی بین المللی اولین واکنش شیمی به اسم یک ایرانی در تاریخ علم کشور:
- واکنش آواکس-یاوری-نایر- Oakes-Yavari-Nair (OYN) به افتخار دکتر عیسی یاوری - به عنوان اولین واکنش به نام یک ایرانی
- ✓ نامگذاری و معرفی بین المللی اولین لینکر کاتالیست و به اسم یک ایرانی در تاریخ علم کشور:
- لینکر معروف کاتالیست Karimi's Imidazole Linker (KIL-IL) - به افتخار دکتر بابک کریمی به عنوان اولین لینکر کاتالیستی به نام یک ایرانی
- ✓ پژوهشگر برتر شهرستان مراغه-۱۳۹۸
- ✓ پژوهشگر برتر دانشگاه مراغه-۱۳۹۸
- ✓ مدرس نمونه دانشگاه مراغه-۱۳۹۸
- ✓ سخنران مدعو: اولین کنفرانس ملی کاتالیست ایران-دانشگاه زنجان شهریور ۹۷
- ✓ ایندکس مقاله Chem.Comm. در Nature Index به عنوان مقاله ای که رنکینگ بین المللی به دانشگاه مراغه داده است
- ✓ سخنران مدعو: ۵امین کنفرانس بین المللی زیولیت و مواد متخلخل ایران-دانشگاه تبریز شهریور ۹۷
- ✓ چاپ مقاله و انتخاب طرح پشت جلد مجله بسیار معتبر Chem.Comm. انتشارات RSC
- ✓ مقاله پراستناد سال ۲۰۱۸ در حوزه چارپوب های فلز-آلی (MOFs)-معرفی توسط مرجع علمی Web of Science
- ✓ دوازدهمین جشنواره نانو-جزو صد محقق برجسته نانو فناوری کشوری در سال ۱۳۹۶
- ✓ سخنران مدعو: بیستمین کنگره شیمی ایران-تیر ۹۷ دانشگاه فردوسی مشهد
- ✓ موضوع داغ مروی انتشارات وایلی ۲۰۱۹ و جلد مجله Chemistry - A European Journal و طرح جلد
- ✓ استادیار جوان و جایزه اعتبار پژوهشی زنده یاد دکتر کاظمی آشتیانی-۱۳۹۳-معاونت علمی ریاست جمهوری
- ✓ سخنران مدعو: بیستمین کنگره ملی و هشتمین کنگره بین المللی زیست شناسی ایران -دانشگاه مراغه شهریور ۹۷
- ✓ انتخاب طرح روی جلد مجله Appl. Organometal. Chem. 2017, 3, 1-6 انتشارات وایلی
- ✓ کسب عنوان نویسنده مقاله پر استناد (RSC Adv., 2014,4, 28238- Top 10% highly cited)
- ✓ مقاله برتر مجله در ۲۰۱۵ Chinese Chemical Letters, 24, 2013, 401 (Science Direct)
- ✓ نهمین جشنواره نانو فناوری کشور-جزو صد محقق برجسته نانو فناوری در سال ۱۳۹۳
- ✓ مقاله پراستناد سال ۲۰۱۶ در کاربرد مواد مزوپورس برای جداسازی فلزات سنگین (SBA-15)-معرفی توسط مرجع علمی Web of Science
- ✓ جزو ۵٪ مقالات سال ۲۰۱۳ Chinese Chemical Letters 23, 2012, 930 (Science Direct)
- ✓ مقاله پراستناد سال انتشارات وایلی 2013, 27, 348 Appl. Organometal. Chem. Web of Science© Thomson Reuters Most Cited
- ✓ بیست و پنجمین سمینار شیمی آلی ایران- دانشگاه علم و صنعت ایران شهریور ۹۶
- ✓ مقاله پراستناد سال ۲۰۱۶ در حوزه مواد نانومتخلخل-معرفی توسط مرجع علمی Web of Science
- ✓ سخنران مدعو: ۴امین کنفرانس بین المللی زیولیت و مواد متخلخل ایران-دانشگاه صنعتی گلیپایگان شهریور ۹۶

- ✓ یازدهمین جشنواره نانو-جزو صد محقق برجسته نانوفناوری کشوری در سال ۱۳۹۵-رتبه ۲۴ شیمی و ۵۶ نانوفناوری کشور
- ✓ پژوهشگر برتر استان آذربایجان شرقی ۱۳۹۵
- ✓ عضو بنیاد ملی نخبگان
- ✓ نویسنده پر استناد شیمی عمومی در انتشارات RSC ۲۰۱۶
- ✓ سخنران برتر نوزدهمین همایش شیمی آلی ایران-دانشگاه رفسنجان ۱۳۹۱
- ✓ دهمین جشنواره نانو-جزو صد محقق برجسته نانوفناوری کشوری در سال ۹۴-رتبه ۴۲ شیمی کشور
- ✓ پژوهشگر برتر دانشگاه مراغه ۱۳۹۴
- ✓ سخنران برتر اولین همایش ملی واکنش های چند جزئی-دانشگاه تحصیلات تکمیلی کرمان ۱۳۹۱
- ✓ سخنران برتر دومین کنفرانس ژئولیت ایران- دانشگاه علم و صنعت ۱۳۹۴
- ✓ نهمین جشنواره نانو-جزو صد محقق برجسته نانوفناوری کشوری در سال ۹۳
- ✓ پژوهشگر برتر دانشکده علوم دانشگاه مراغه ۱۳۹۲
- ✓ رساله و پژوهشگر برتر دکتری تربیت مدرس سال ۱۳۹۰
- ✓ سخنران برتر ۱۴مین سمینار شیمی آلی ایران ۲۰۰۸
- ✓ پژوهشگر و پایان نامه برتر دانشگاه تربیت مدرس ۱۳۸۶
- ✓ نفر اول دوره کارشناسی ارشد ۱۳۸۵

مقالات برتر و پر استناد

- ✓ موضوع داغ مروری انتشارات وایلی ۲۰۱۹ و جلد مجله Chemistry - A European Journal
- ✓ ایندکس مقاله Chem. Commun در Nature Index به عنوان مقاله ای که رنکینگ بین المللی به دانشگاه مراغه داده است ۲۰۱۹
- ✓ نویسنده پر استناد شیمی عمومی در انتشارات RSC ۲۰۱۶
- ✓ مقاله پراستناد سال ۲۰۱۶ در حوزه مواد نانومتخلخل-معرفی توسط مرجع علمی Web of Science
- ✓ مقاله 69 (2012) 144 J. Fluorine Chem. 2012, 144 (2012) 69 Most cited articles published since 2012 (Science Direct)
- ✓ مقاله (Highlighted in Synfact, 2015) انتشارات Thieme) J. Fluorine Chem 2013, 153, 1-6
- ✓ مقاله (Highlighted in Synfact, 2015) انتشارات Thieme) Tetrahedron Lett. 2013, 54, 3344-
- ✓ مقاله (Highlighted in Synfact, 2015) انتشارات Thieme) Tetrahedron Lett, 2012, 53, 5257- most cited since 2012 (Science Direct)
- ✓ جزو ۵٪ مقالات سال ۲۰۱۳ Chinese Chemical Letters 23, 2012, 930 (Science Direct)
- ✓ مقاله پراستناد سال انتشارات وایلی Web of Science Appl. Organometal. Chem. 2013, 27, 348 Most Cited-Thomson Reuters©
- ✓ مقاله پراستناد سال ۲۰۱۶ در حوزه مواد نانومتخلخل-معرفی توسط مرجع علمی Web of Science
- ✓ مقاله پراستناد سال ۲۰۱۶ در کاربرد مواد مزوپورس برای جداسازی فلزات سنگین (SBA-15)-معرفی توسط مرجع علمی Web of Science
- ✓ جزو ۵٪ مقالات سال ۲۰۱۳ Chinese Chemical Letters 23, 2012, 930 (Science Direct)
- ✓ مقاله پراستناد سال انتشارات وایلی Web of Science Appl. Organometal. Chem. 2013, 27, 348 Most Cited-Thomson Reuters©
- ✓ مقاله پراستناد سال ۲۰۱۸ در حوزه چارپوب های فلز-آلی (MOFs)-معرفی توسط مرجع علمی Web of Science
- ✓ مقاله (Most Accessed 01/2017) انتشارات Wiley) Appl. Organometal. Chem. 2015, 29, 471
- ✓ مقاله (Highlighted in Synfact, 2015) انتشارات Thieme) Synlett. 2015, 26, 1345
- ✓ کسب عنوان نویسنده مقاله پر استناد پایگاه انجمن شیمی سلطنتی انگلستان (RSC Adv., 2014, 4, 28238- Top 10% highly cited)

- ✓ مقاله برتر مجله در ۲۰۱۵ 401 Chinese Chemical Letters, 24, 2013 (Science Direct)
- ✓ جزو ۵٪ مقالات سال ۲۰۱۳ 930 Chinese Chemical Letters, 23, 2012 (Science Direct)
- ✓ مقاله پراستناد سال ۲۰۱۸ در حوزه چارپوب های فلز-آلی (MOFs)-معرفی توسط مرجع علمی Web of Science

عضویت در کمیته های علمی و اجرایی:

- معاونت پژوهش و فناوری مرکز نشر دانشگاهی-وزارت علوم، تحقیقات و فناوری
- مدیر گروه شیمی- مرکز نشر دانشگاهی-وزارت علوم، تحقیقات و فناوری
- عضو و دبیر کمیته بهره وری مرکز نشر دانشگاهی-وزارت علوم، تحقیقات و فناوری
- عضو کارگروه نشریات علوم پایه وزارت علوم، تحقیقات و فناوری
- عضو و دبیر شورای فروش مرکز نشر دانشگاهی-وزارت علوم، تحقیقات و فناوری
- عضو و دبیر کمیته اخلاق پژوهشی مرکز نشر دانشگاهی-وزارت علوم، تحقیقات و فناوری
- عضو هیات مدیره و شورای عالی انجمن شیمی ایران
- دبیر کمیته تخصصی شیمی آلی -انجمن شیمی ایران
- مدیر مسئول نشریه تحقیقات شیمی آلی (Organic Chemistry Reserach)-مجله علمی پژوهشی اعتبار "ب" -انتشارات انجمن شیمی ایران
- هیات تحریریه نشریه شیمی-علمی پژوهشی-انجمن شیمی ایران
- مدیر پژوهش و فناوری دانشگاه مراغه (مرجع رییس دانشگاه مراغه)
- عضو شورای دانشگاه مراغه (مرجع رییس دانشگاه مراغه)
- عضو حقیقی شورای آموزشی دانشگاه مراغه (مرجع رییس دانشگاه مراغه)
- عضو در هیات داور فرهنگ کمیته برگزاری جشنواره دانشجوی نمونه ۹۷-۹۸ (معاون فرهنگی-اجتماعی دانشگاه مراغه)
- نماینده انجمن شیمی ایران در دانشگاه مراغه- (مرجع رییس انجمن شیمی ایران)
- عضو کمیته تحصیلات تکمیلی گروه شیمی (مرجع رییس دانشگاه مراغه)
- عضو در هیات داور کمیته پژوهشی گروه تخصصی علوم پایه- جشنواره دانشجوی نمونه سال ۹۷ (مرجع رییس دانشگاه مراغه)
- عضو در هیات داور فرهنگ کمیته برگزاری جشنواره دانشجوی نمونه ۹۶-۹۵ (معاون فرهنگی-اجتماعی دانشگاه مراغه)
- عضو هیات داور پژوهشی کمیته برگزاری جشنواره دانشجوی نمونه ۹۷-۹۶ (مرجع رییس دانشگاه مراغه)
- عضو هیات داوران - دومین جشنواره دانشگاهی حرکت ویژه انجمن های علمی دانشجویی (معاون فرهنگی-اجتماعی دانشگاه مراغه)
- عضو هیات داوران - پنجمین جشنواره ملی حرکت (معاون فرهنگی-اجتماعی دانشگاه مراغه)
- عضو هیات داور پژوهشی کمیته برگزاری جشنواره دانشجوی نمونه ۹۶-۹۵ (مرجع رییس دانشگاه مراغه)
- عضو در هیات داور فرهنگ کمیته برگزاری جشنواره دانشجوی نمونه ۹۵-۹۴ (معاون فرهنگی-اجتماعی دانشگاه مراغه)
- عضو کمیته حمایت و نظارت بر انجمن های علمی دانشجویی (مرجع رییس دانشگاه مراغه)
- عضو کمیته نانو دانشگاه مراغه (مرجع رییس دانشگاه مراغه)
- عضو کمیته انرژی های تجدیدپذیر دانشگاه مراغه (مرجع رییس دانشگاه مراغه)

طرح تحقیقاتی خارج از کشور-بین المللی (International Project):

۱	مجری ایران	مرکز مطالعات و همکاری های علمی بین المللی- وزارت عتف ۲۰۲۳	طراحی ، کاربرد و ارزیابی سم شناسی پروتئین طبیعی زین با چهارچوب های فلزی-آلی (MOF) و نانوذرات Fe_3O_4 برای اهداف چند منظوره	صادق رستم نیا (مجری ایران)-بهنام قلی پور-عزیز افتخاری-رضا تقوی-مجتبی حسینی فرد-هیلال آریکوچلو (مجری ترکیه)
۲	مجری ایران	مشترک بنیاد ملی علم ایران (INSF) و بنیاد ملی علوم طبیعی چین (NSFC) 2023	تخریب ترکیبات آلی فرار (VOCs) موجود در هوا با غلظت کم توسط ازن و آب فعال در دمای اتاق و استرلیزاسیون هوا مبتنی بر تنظیم ساختاری چارچوب های فلز-آلی	صادق رستم نیا (مجری ایران)-لویشیانو (مجری چین)-رضا تقوی-بهنام قلی پور-محمدرضا نعیمی جمال

طرح تحقیقاتی داخل کشور (National Project):

۲۲	مدیر پروژه	موسسه ملی توسعه تحقیقات علوم پزشکی ایران- NIMAD	تهیه و طراحی یک نانوحسگر الکتروشیمیایی به منظور اندازه گیری هیدروژن پراکسید در نمونه های غذایی ، نمونه های بیولوژیکی و محیط زیست با استفاده از مزوحفره های سیلیکای عاملدار با نقره و مس	عزیز افتخاری-امیر حسن زاده- زیبا کریمی-مهناز طبیبی آذر- الهام احمدیان
۲۰	همکار اصلی	دانشگاه علوم پزشکی تهران، م.ت. سرطان های دستگاه ادارای تناسلی	طراحی و سنتز نانوکامپوزیت هسته-پوسته مغناطیسی زیست تخریب پذیر جهت تثبیت بیوستنز نانوذرات نقره و بررسی خواص سیتو توکسیسیته و آنتی باکتریایی آن بر علیه شایعترین باکتری های عامل عفونت بعد از بیوپسی پروستات	۱۴۰۲ سولماز اوحیدیان مقدم- محمدرضا نوروزی - امیر حسن زاده- لیدا لطف الهی حق- رضا تقوی- زیبا کریمی
۱۹	مجری دوم	دانشگاه علوم پزشکی فسا	مهندسی سطح مزوکانل ارگانوسیلیس مزوپور برای تثبیت نانوذرات فلزی پلادیم یا پلاتین به عنوان حامل دارو	۱۴۰۰ الهام زارع نژاد (مجری اول)
۱۸	مجری دوم	دانشگاه علوم پزشکی فسا	سنتز نانو کاتالیست جدید با استفاده از ذرات طلا بر روی دی تیو کاربامات بوهمیت و کاربرد آن به عنوان نانو کاتالیست جدید برای انجام واکنش جفت شدن سه جزئی ترکیبات الی با خواص دارویی	۱۳۹۹-۱۴۰۱ الهام زارع نژاد (مجری اول)- مجتبی فرجام- سیده پریسا کامرانی
۱۷	مجری دوم	دانشگاه علوم پزشکی فسا	سنتز نانو کاتالیست مغناطیسی جدید مس برای تهیه مشتقات تری آزولی به عنوان عامل ضد قارچ	۱۴۰۰ الهام زارع نژاد (مجری اول)
۱۶	همکار اصلی	علوم پزشکی مراغه	طراحی و تهیه نانوساختار سه جزیی $Fe_2O_3/CoMoO_4$ و بررسی تخریب رنگ- ارگانیک (متیلن بلو) با استفاده از فرایند اکسیداسیون پیشرفته (AOP)	۱۳۹۹ علی بهنامی (مجری)- رحیمه نصیری
۱۵	همکار اصلی	دانشگاه علوم پزشکی مراغه	اصلاح پلیمر طبیعی زیست سازگار سلولز بر پایه مایعات یونی جهت تثبیت پایدار نانوذرات نقره کلرید ($Cellulose/IL@AgCl-NPs$) و بررسی خواص آنتی باکتریایی و بیولوژیکی آن	۱۳۹۹-۱۴۰۱ امیر حسن زاده-مریم نورمحمدی- بهنام قلی پور- سلمان شجاعی- عزیز افتخاری
۱۴	مجری دوم	دانشگاه علوم پزشکی فسا	سنتز نانو کامپوزیت $HAP/Au/g-C_3N_4$ جدید حاوی ذرات طلا به عنوان ترکیب ضد سرطان بر علیه رده سلولی A375	۱۴۰۱ الهام زارع نژاد (مجری اول)- یاسر منصوری- علی قنبری اسد

۱۴۰۱-۱۴۰۰ الهام زارع نژاد (مجری اول)	ایجاد پیوند عرضی بین کیتوزان و ۶-دی استیل رورسینول به عنوان یک نانوکامپوزیت مغناطیسی بر پایه طلا ($\text{Fe}_3\text{O}_4 @ \text{CS} / \text{DAR-Au}$) برای سنتز پروپارژیل امین به عنوان مولکول کوچک بیولوژیکی	دانشگاه علوم پزشکی فسا	مجری دوم	۱۳
اسفند ۱۴۰۱ - ۱۳۹۹ همکار: رحیمه نصیری	طراحی و سنتز هدفمند اورگانوسیلیکاهای مزو حفره متناوب (PMOs) حاوی اتصال دهنده ها و فلزات مناسب جهت استفاده کاتالیزوری از آنها در تولید هیدروژن (H_2) و احیا نیتروآرمات ها	صندوق حمایت از پژوهشگران و فناوران کشور	مجری	۱۲
تیر ۱۳۹۶ - آبان ۹۸ همکار: عارفه احدی دانالو	تولید هیدروژن (H_2) بوسیله فتوکاتالیست هیبریدی حساس به نور مرئی (شبیه ساز نور خورشید): نانومعماری رشد لایه به لایه تیتانیوم اکسید در درون اورگانوسیلیکای مزو متخلخل متناوب بی پیریدینیوم [$\text{xTi}_y @ \text{Bipy-PMO}$]	صندوق حمایت از پژوهشگران و فناوران کشور	مجری	۱۱
۱۳۹۹-۱۴۰۰ امیر حسن زاده - عزیز افتخاری - زیبا کریمی - بهنام قلی پور	طراحی و سنتز مزوپور ارگانوسیلیکای مبتنی بر اوره (Urea-PMO-AgNPs) جهت تثبیت نانوذرات نقره احیا شده با عصاره گیاه افوریا و مطالعه خواص آنتی باکتریالی آن	دانشگاه علوم پزشکی مراغه	همکار اصلی	۱۰
۱۳۹۹-۱۴۰۰ عزیز افتخاری - امیر حسن زاده - زیبا کریمی	اندازه گیری بیس فنول آ در محصولات غذایی با استفاده از حسگر های الکتروشیمیایی اصلاح شده با مزو پورس های سیلیکاتی SBA-15 عاملدار شده با مس	دانشگاه علوم پزشکی مراغه	همکار اصلی	۹
بهمن ۹۷	سنتز کمپلکس های باز شیف آمینوپیریمیدین اکسو - پراکسو مولیدن (VI) و تنگستن (VI) بر روی SBA-15 جهت اکسایش الکل ها و دی بنزوتیوفن	صندوق حمایت از پژوهشگران و فناوران کشور	همکار اصلی	۸
۹۷-۹۶	رشد TiO_2 در درون حفرات ارگانوسیلیکای مزو متخلخل متناوب و بررسی اثرات فتوکاتالیستی $\text{TiO}_2 @ \text{PMO}$ در تولید هیدروژن	دانشگاه مراغه	مجری	۷
مرداد ۱۳۹۱ تا بهمن ۹۳ همکار: کامران لامعی	تهیه و شناسایی نانومواد متخلخل گوگرددار و کاربرد آن به عنوان نانورآکتور در تثبیت پالادیوم جهت فعال کردن پیوند کربن-هالوژن در تبدیلات شیمیایی	صندوق حمایت از پژوهشگران و فناوران کشور	مجری	۶
تیر ۹۴ تا فروردین ۹۵ همکار: اسماعیل دوستخواه	تولید حدواسط-های صنعتی به روش سبز با سیستم کاتالیزور- جدید پایه گرافن اکسید حاوی نانوذرات پالادیوم تثبیت شده	صندوق حمایت از پژوهشگران و فناوران کشور	مجری	۵
آذر ۱۳۹۲ تا آبان ۹۴ امیر رضا عباسی (مجری) صادق رستم نیا آزاده آزادبخت	مطالعه جذب و رهایش انتخاب پذیر دارویی نانو چارچوب های فلز-آلی با مراکز یون های فلزی مس (II) و روی (II) حاوی لیگاندهای اکسیژن و نیتروژن دهنده	صندوق حمایت از پژوهشگران و فناوران کشور	همکار اصلی	۴
۹۳-۹۴ همکار: ریزان روحوش	سنتز و شناسایی نانوحفرات چارچوب های فلز-آلی Cu-BTC و کاربرد آن به عنوان کاتالیست در تولید مواد سولفوردار	دانشگاه مراغه	مجری	۳
۱۳۸۹ بیژن سلیمانی (مجری)	شبیه سازی جذب فلزات سنگین توسط نانولوله های کربنی تک دیواره و ارایه مدل ریاضی	جهاد دانشگاهی تربیت مدرس	همکار اصلی	۲
۱۳۹۴-۱۳۹۴	روش آسان و سریع تولید نانومغناطیس ها (نانو آهنربا) و کاربرد آن در شیمی	دانشگاه مراغه	مجری	۱

کتاب/فصل (Book/Chapter):

Springer	۲۰۱۴	صادق رستم نیا اسماعیل دوستخواه	Synthesis and Synthetic Applications of Biologically Interesting Rhodanine and Rhodanine-based Scaffolds شامل ۵ مرجع از مقالات مولف فصل ۹ از کتاب ۱۳ فصلی Green Chemistry: Synthesis of Bioactive Heterocycles Edited by: Anshu Dandia, K. L. Ameta	تألیف فصل ۹
Taylor & Francis CRC Press,	2017	اسماعیل دوستخواه صادق رستم نیا	The Role of Nanoporous Materials in the Multicomponent Synthesis/Modification of Heterocyclic Compound "Multicomponent Reactions: Synthesis of Bioactive Heterocycles" Edited by: Anshu Dandia, K. L. Ameta	تألیف فصل ۳
Elsevier	2017	اسماعیل دوستخواه صادق رستم نیا	Palladium complexes and nanoparticles encapsulated by functionalized mesoporous silica materials, a promising hybrid catalyst in organic transformations "Encapsulated Catalysts" Edited by: Samahe Sadjadi	تألیف فصل ۹
Wiley	2019	اسماعیل دوستخواه حامد محتشم مصطفی فرج زاده جانپاس حبیب صادق رستم نیا	Exfoliated Graphene-Based 2D Materials: Synthesis and Catalytic Behaviors	تألیف فصل ۱۶
RSC	2023	رضا تقوی بهنام قلی پور صادق رستم نیا	Chapter 13: Chiral Metal–Organic Frameworks (Metal–Organic Frameworks in Analytical Chemistry)	تألیف فصل ۱۳
Scholars' Press Germany	2013	اسماعیل دوستخواه صادق رستم نیا	Green Chemistry of Grafted Ligands in Mesoporous Materials شامل ۶ مرجع از مقالات مولف	تألیف
LAP LAMBERT Germany	2014	صادق رستم نیا اسماعیل دوستخواه	Functionalized Porous Nanoreactors in Organic Reactions: Mesoporous solid support as a nanocatalyst مورد تایید ستاد نانو شامل ۶ مرجع از مقالات شخصی	تألیف
پژوهشگاه علوم و تکنولوژی پیشرفته و علوم محیطی کرمان- با همکاری نشر تایماز	۱۳۹۲	اسداله حسن خانی محبوبه بهرام نژاد الهه مصدق صادق رستم نیا ندا سیدی	مکانیسم واکنش ها در سنتز آلی	ترجمه
صادق رستم نیا محبوبه بهرام نژاد اسداله	۱۳۹۷		سنتز آلی بر پایه واکنش های نامدار حسنخانی	ترجمه
تصنیف: صادق رستم نیا				
کاتالیزورهای هیبریدی پیشرفته				
نانومغناطیس و گرافن اکسید مغناطیسی، هیبرید مزوپورس ها و چارپوب های فلز-آلی ۱۳۹۸				

ثبت پتنت/اختراع (Patent):

افزایش خواص جذبی سطحی نانوجاذب مزومتخلخل سیلیکاتی حاوی گروه های تیولی در حذف فلز مس به عنوان آلاینده آب
شماره ثبت اختراع: ۸۶۸۴۸ به تاریخ ۱۳۹۴/۷/۷ - طبقه بندی بین المللی: B82B;B82Y;C08B تایید سازمان ثبت اسناد و املاک کشور

حذف نیترات از محلول های آبی با استفاده از چارچوب های فلز-آلی نانومتخلخل
شماره ثبت اختراع: ۸۸۸۸۹ به تاریخ ۱۳۹۵/۰۳/۱۷ - طبقه بندی بین المللی: C07H 11/02 - تایید سازمان ثبت اسناد و املاک کشور

ISC papers:

۱- سنتز نانوکامپوزیت گرانولی $\text{Fe}_3\text{O}_4/\text{CuBDC}/\text{cellulose}$ به منظور حذف ماده رنگرزی آبی مستقیم ۷۱ طی فرآیند فنتون ناهمگن

۲- تهیه مرحله به مرحله تتگستن اکسید بر پایه گرافیت کربونیتريد تيوآورده مبنا: بررسی $\text{g-C}_3\text{N}_4/\text{WO}_3$ توده و نانوصفحه دوپ شده با گوگرد در تخریب فوتواکسایشی آلاینده متیلن بلو به کمک تابش نور مرئی

3- Sulfonic-based precursors (SAP) for silica mesostructures: Advances in synthesis and applications
Sadegh Rostamnia, Esmail Doustkhah, *Nanochemistry Research (NCR)*, **2016**, 1, 19-32.

4- Four-Component Synthesis of Polyhydroquinolines via Unsymmetrical Hantzsch Reaction Employing Cu-IRMOF-3 as a Robust Heterogeneous Catalyst
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5- Schiff-base Post-Synthetic Modification of IRMOF-3 to Encapsulate Pd Nanoparticles: It's Application in C-C Bond Formation Cross-Coupling Suzuki Reaction
R Taghavi, S Rostamnia. *Chemical Methodologies* **2022**, 6 (8), 629-638

6- Dithiocarbamate modified SPION-Chitosan nanobiocomposite, a promising adsorbent for bovine serum albumin (BSA)

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7-Catalytic behavior of perchloric acid on silica mesoporous SBA-15 as a green heterogeneous Bronsted acid in heterocyclic multicomponent reactions

A Baghban, E Doustkhah, S Rostamnia, *International Nano Letters* 8 (1), 41-47, **2018**

8-Th(IV)/U(VI) sorption on modified SBA-15 mesoporous materials in fixed-bed column.

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SBA-15 mesoporous materials decorated with organic ligands: use as adsorbents for heavy metal ions

M. Hami Dindar, M. R. Yafian, M. Pilehvari, S. Rostamnia, *Journal of the Iranian Chemical Society* 12 (4), 561-572

Review Article:

Magnetite Metal–Organic Frameworks: Applications in Environmental Remediation of Heavy Metals, Organic Contaminants, and Other Pollutants

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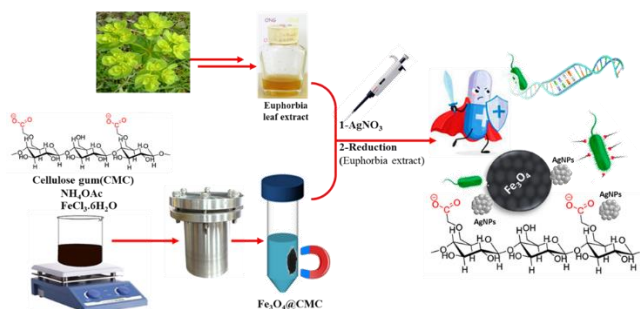
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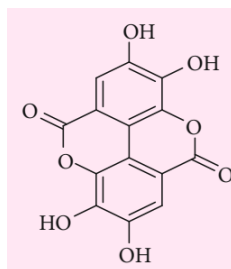
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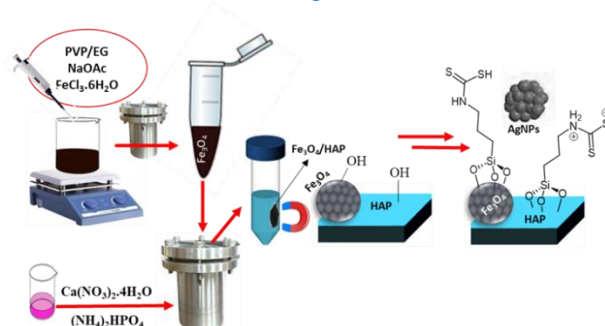
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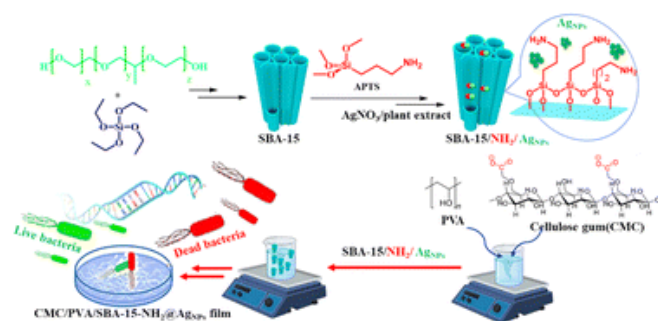
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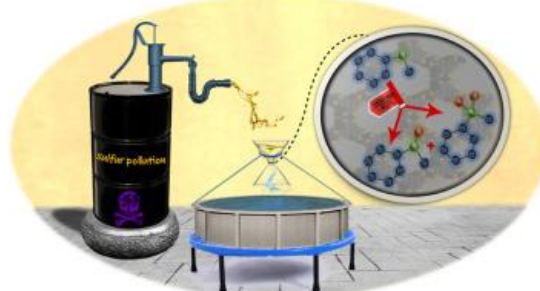
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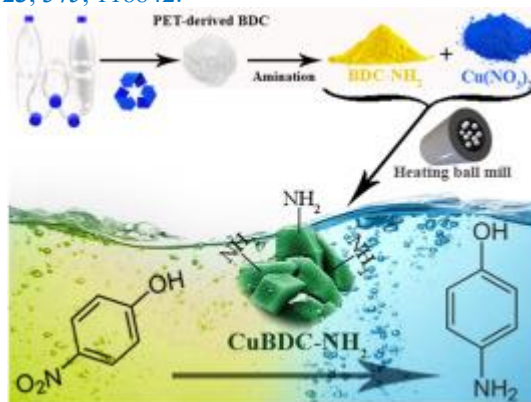
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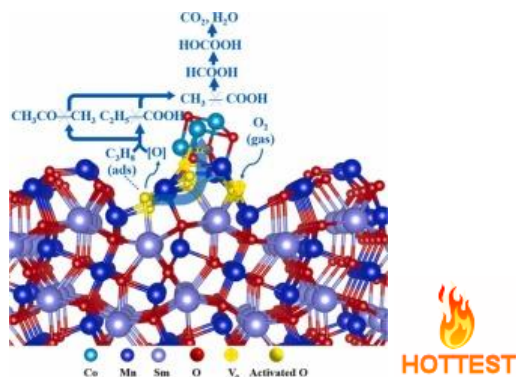
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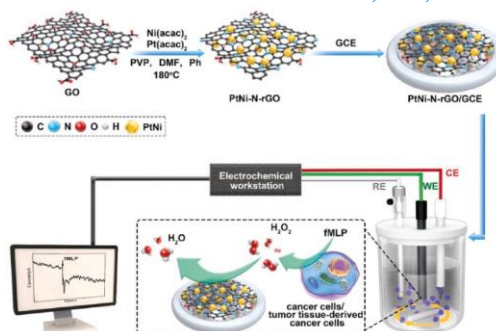


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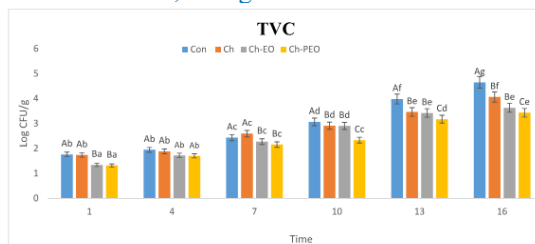
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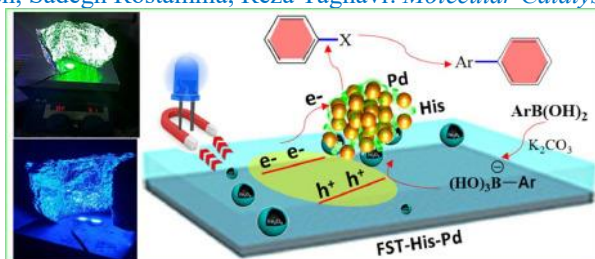
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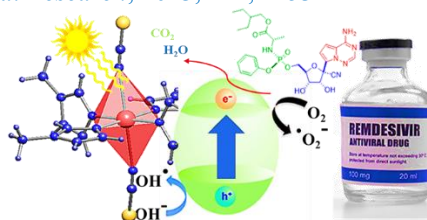
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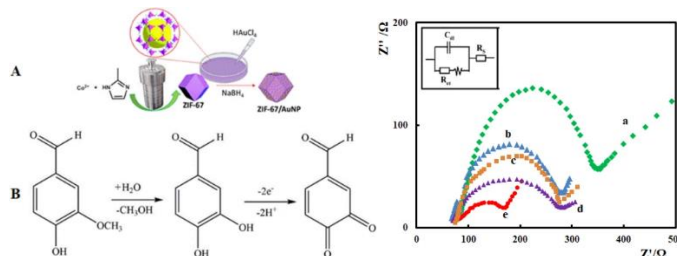
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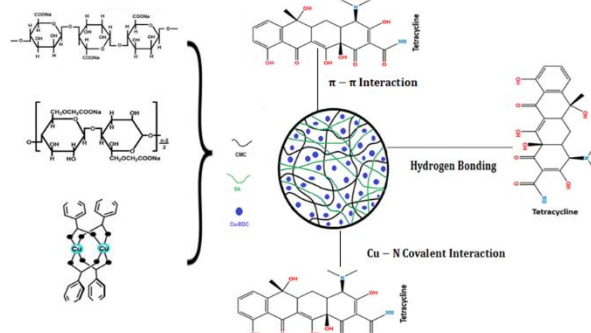
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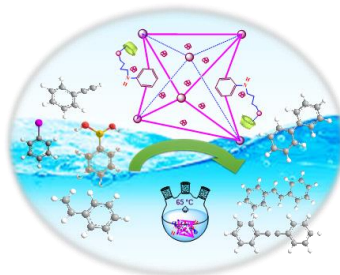
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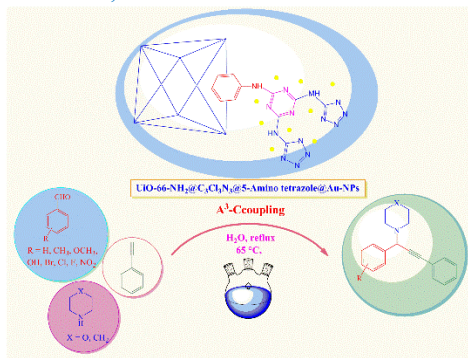
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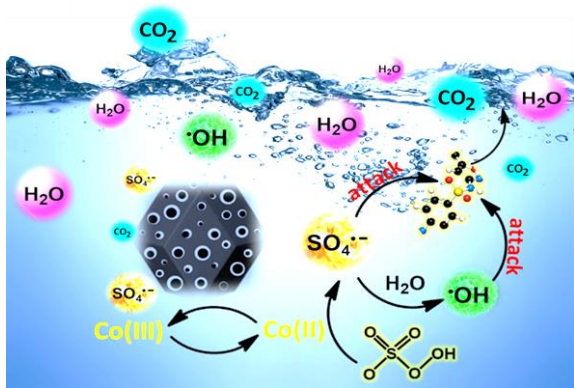
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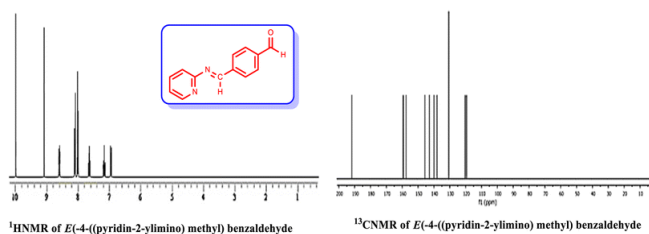
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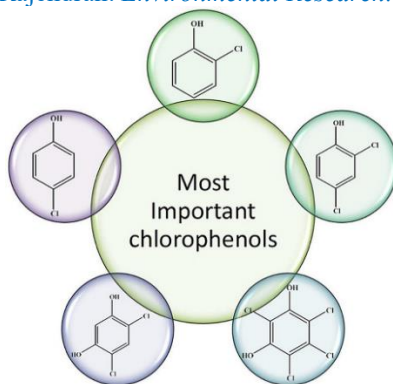
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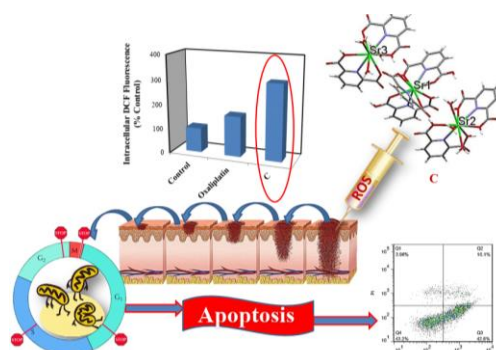


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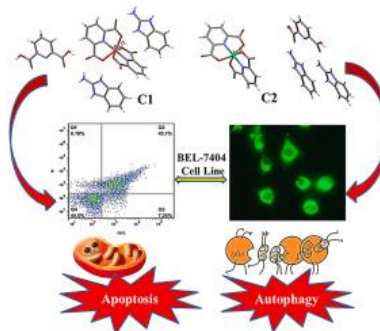
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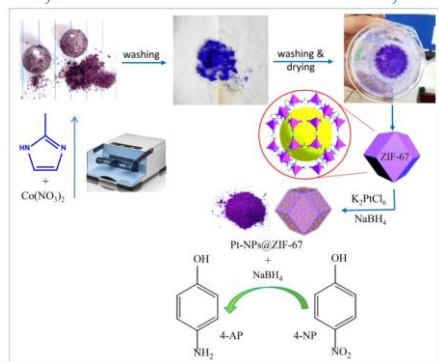
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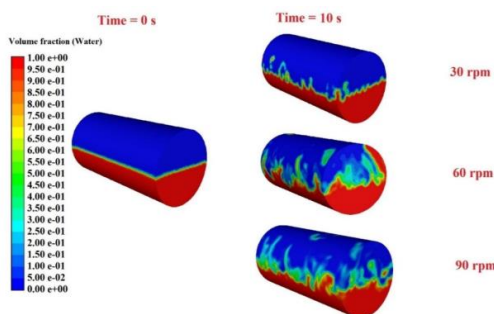
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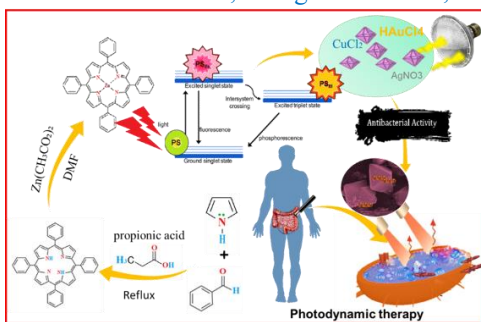
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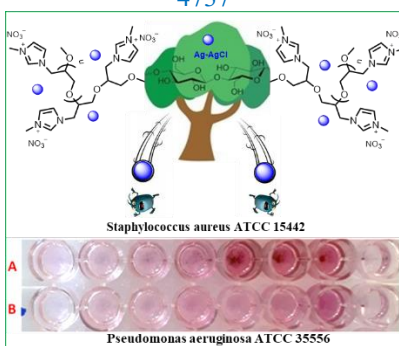
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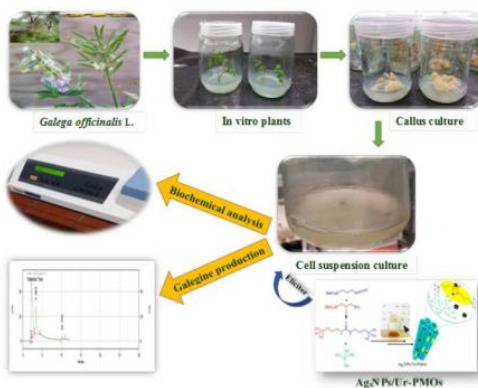
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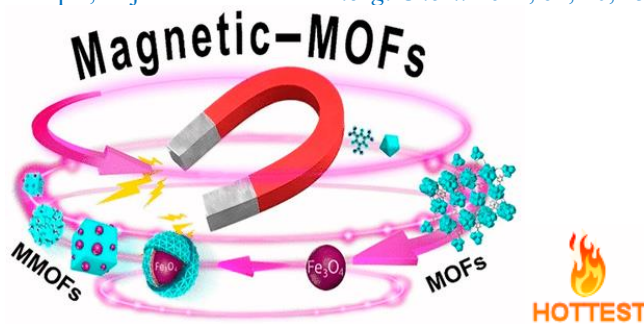
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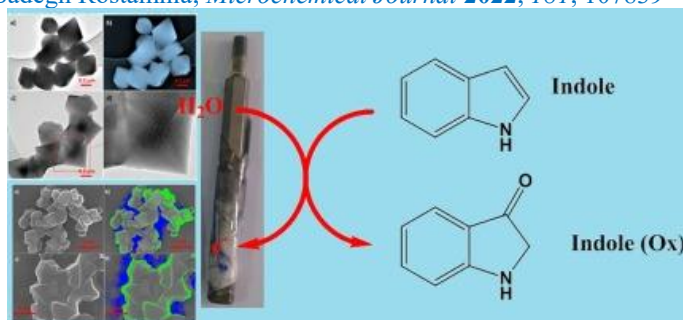


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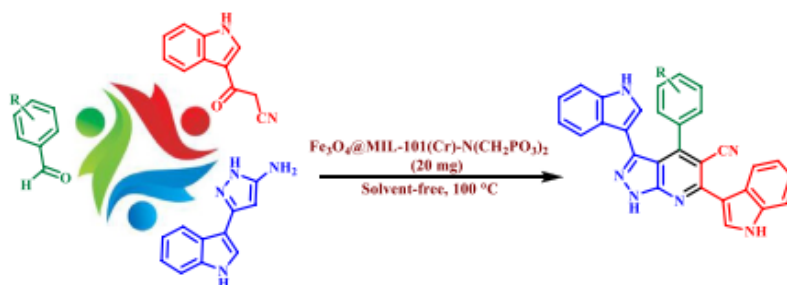
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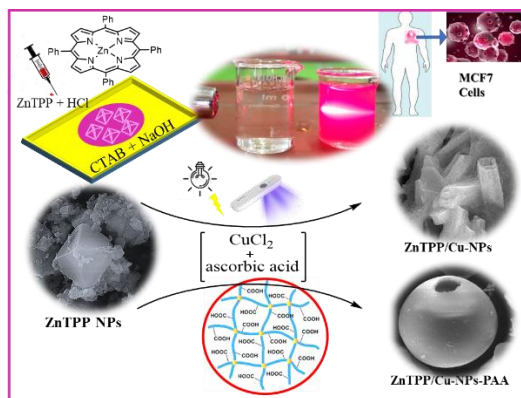
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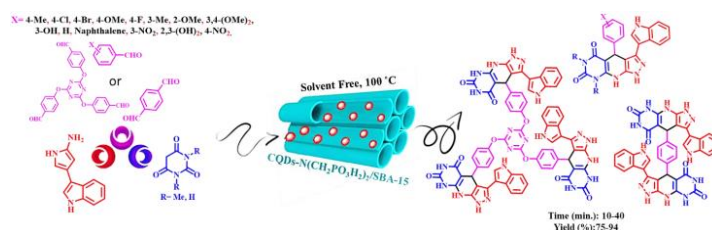
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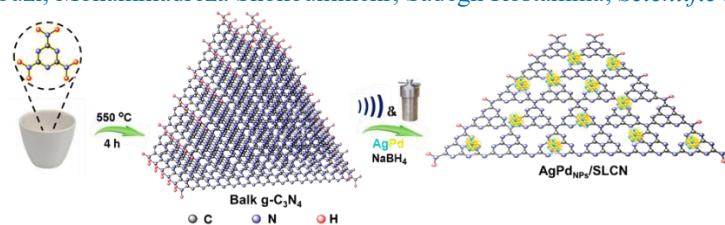
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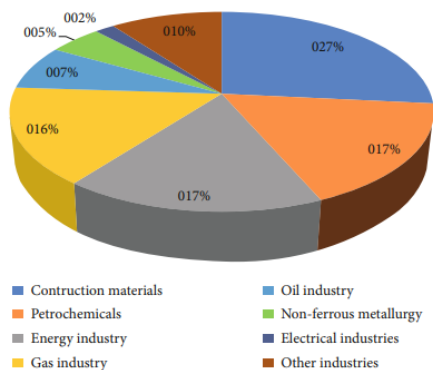
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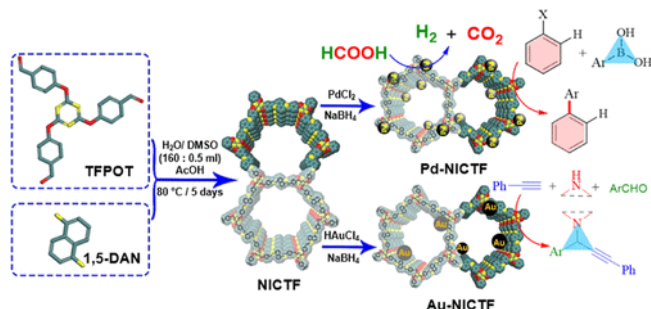
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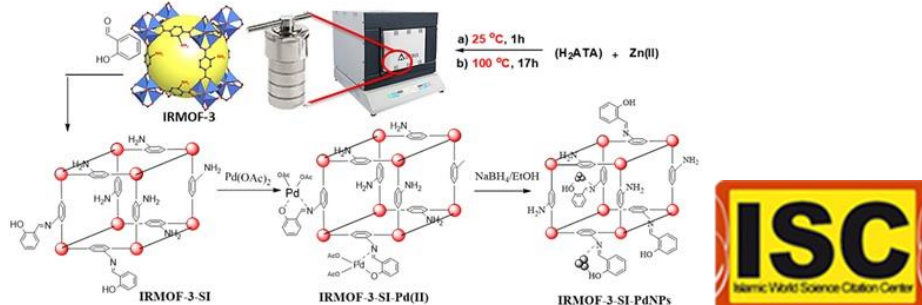
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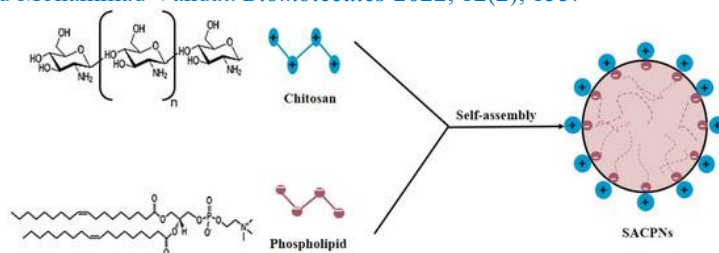
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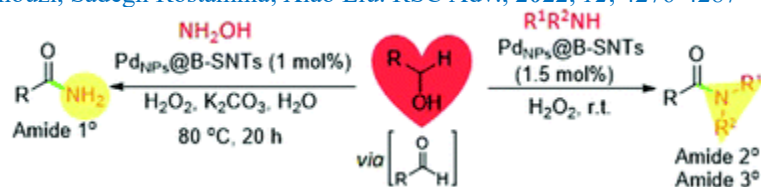
(189) Advancements in Fabrication and Application of Chitosan Composites in Implants and Dentistry: A Review

Fariborz Sharifianjazi, Samad Khaksar, Amirhossein Esmacilkhanian, Leila Bazli, Sara Eskandarinezhad, Peyman Salahshour, Farnaz Sadeghi, Sadegh Rostamnia, Seyed Mohammad Vahdat. *Biomolecules* **2022**, 12(2), 155.



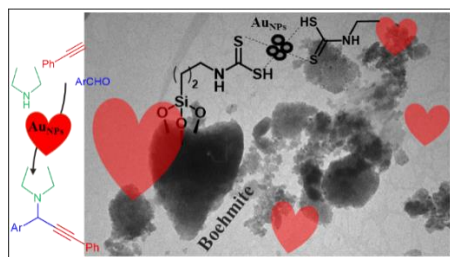
(188) Single-pot tandem oxidative/C–H modification amidation process using ultrasmall PdNP-encapsulated porous organosilica nanotubes

Behnam Gholipour, Afsaneh Zonouzi, Sadegh Rostamnia, Xiao Liu. *RSC Adv.*, **2022**, 12, 4276-4287



(187) Gold nanoparticle decorated dithiocarbamate modified natural boehmite as a catalyst for the synthesis of biologically essential propargylamines

Elham Zarenezhad, Reza Taghavi, Parisa Kamrani, Mojtaba Farjam, Sadegh Rostamnia. *RSC Adv.*, 2022, **12**, 31680-31687.

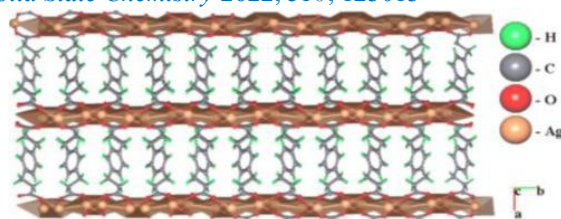



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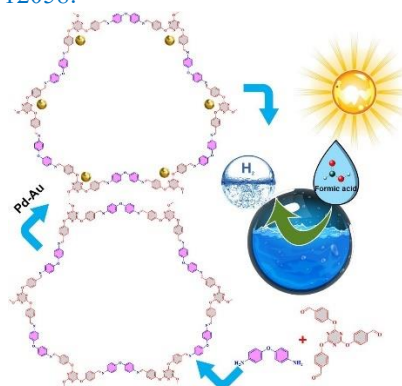
(186) A novel 3D Ag (I) metal-organic coordination polymer (Ag-MOCP): Crystallography, Hirshfeld surface analysis, antibacterial effect and molecular docking studies

Maryam Aghaei, Khosro Mohammadi, Payam Hayati, Paria Sharafi-Badr, Fatemeh Yazdian, Angel Gutierrez Alonso, Sadegh Rostamnia, Fazlollah Eshghi, *Journal of Solid State Chemistry* **2022**, **310**, 123013



(185) Photocatalytic Hydrogen Generation using Colloidal Covalent Organic Polymers Decorated Bimetallic Au-Pd Nanoalloy (PdAu@COPs)

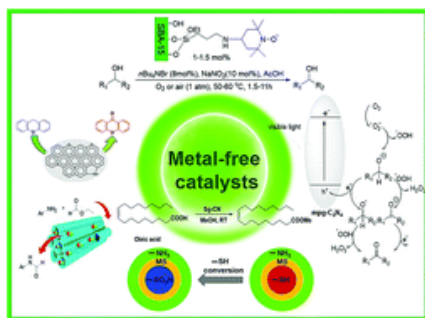
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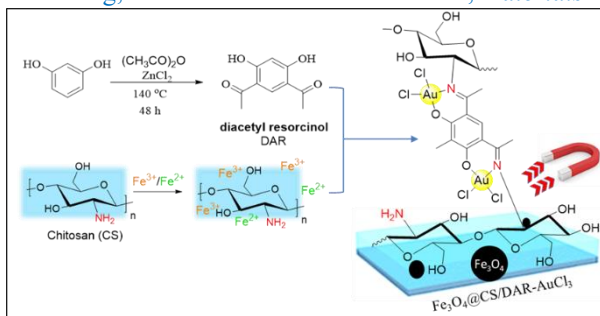


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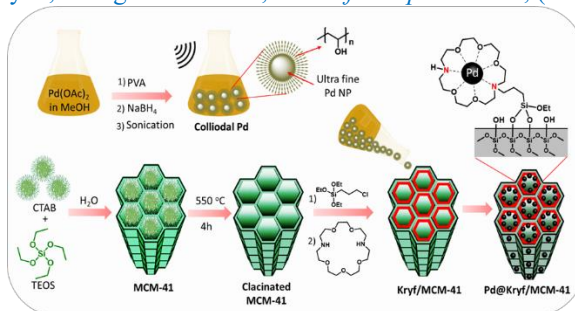
(183) Magnetic nanocomposite of crosslinked chitosan with 4,6-diacetylresorcinol for gold immobilization (Fe₃O₄@CS/DAR-Au) as a catalyst for an efficient one-pot synthesis of propargylamine

Maryam Nourmohammadi, Shamila Rouhani, Shohreh Azizi, Malik Maaza, Titus A.M. Msagati, Sadegh Rostamnia, Mehdi Hatami, Samad Khaksar, Elham Zarenezhad, Ho Won Jang, Mohammadreza Shokouhimehr, *Materials Today Communications* **2021**, 29, 102798



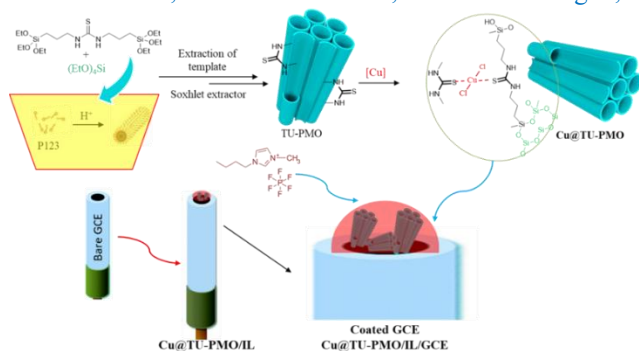
(182) A novel strategy for stabilization of sub-nanometric Pd colloids on Kryptofix functionalized MCM-41: Nanoengineered material for Stille coupling transformation

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(181) Sensitive and selective electrochemical detection of Bisphenol A based on SBA-15 like Cu-PMO modified glassy carbon electrode

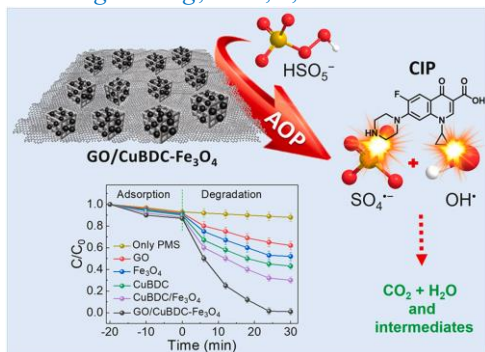
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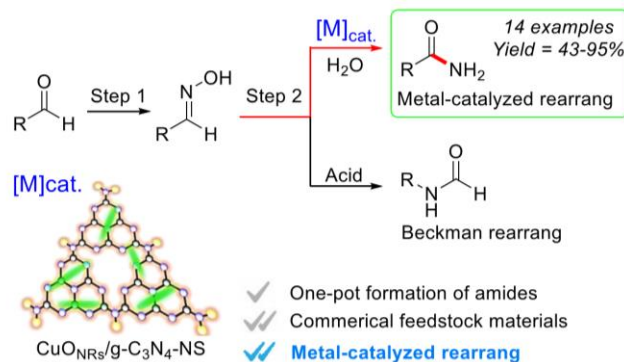
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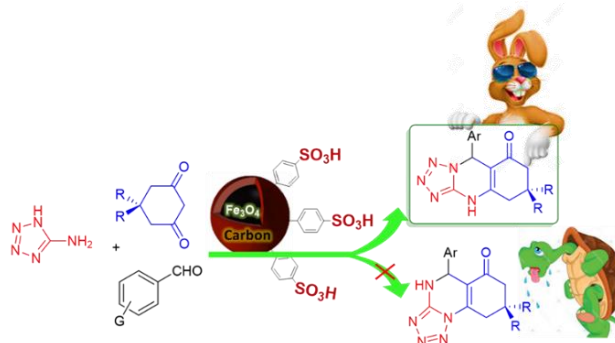
(179) Nano-construction of CuO nanorods decorated with g-C3N4 nanosheets (CuO/g-C3N4-NS) as a superb colloidal nanocatalyst for Liquid phase C-H conversion of aldehydes to amides

Robabeh Mohammadi, Behnam Gholipour, Hassan Alamgholiloo, Sadegh Rostamnia, Hamed Mohtasham, Afsaneh Zonouzi, Seeram Ramakrishna, Mohammadreza Shokouhimehr. *Journal of Molecular Liquids* **2021**, 334, 116063.



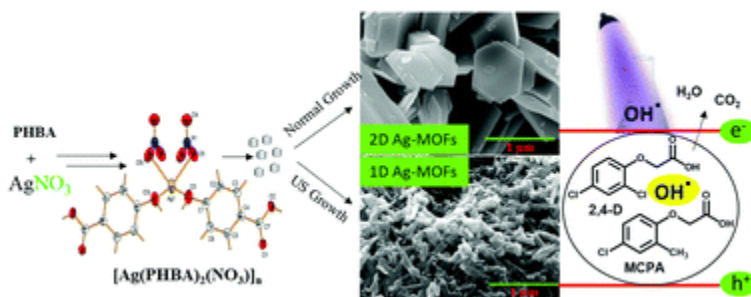
(178) Sustainable design and novel synthesis of highly recyclable mesoporous magnetic carbon sulfonic acid of Fe3O4@meso-C/PhSO3H as green solid acid promoted regioselective domino-MCRs synthesis of tetrazoloquinazolines

Asadollah Hassankhani, Behnam Gholipour, Sadegh Rostamnia, Elaheh Zarenezhad, Nasrin Nouruzi, Taras Kavetsky, Samad Khaksar, Rovshan Khalilov, MR Shokouhimehr, *Applied Organometallic Chemistry*, **2021**, 35, e6346.



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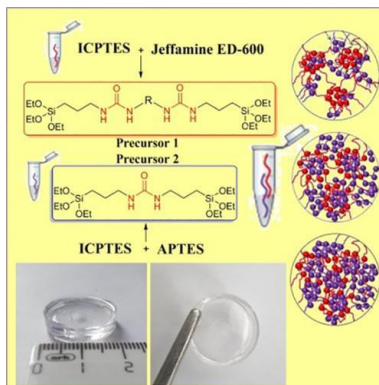
(176) Hydrothermal self-sacrificing growth of polymorphous MnO₂ on magnetic porous-carbon (Fe₃O₄@Cg/MnO₂): A sustainable nanostructured catalyst for activation of molecular oxygen

Zohreh Bakhtiarzadeh, Shamila Rouhani, Ziba Karimi, Sadegh Rostamnia, Titus A.M. Msagati, Dokyoon Kim, Ho Won Jang, Seeram Ramakrishna, Rajender S. Varma, Mohammadreza Shokouhimehr, *Molecular catalysis*, **2021**, 509, 111603



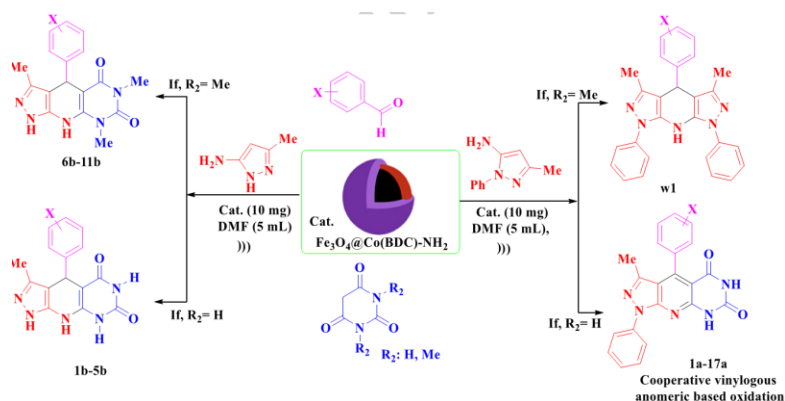
(175) Structural and free volume characterization of sol–gel organic–inorganic hybrids, obtained by co-condensation of two ureasilicate stoichiometric precursors

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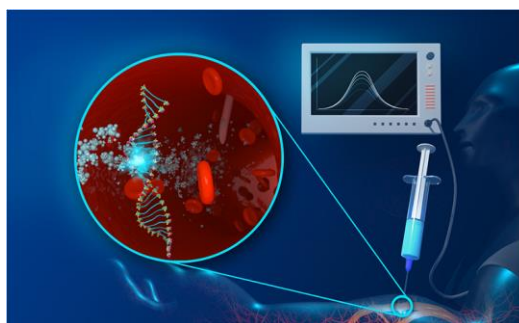
(174) Application of novel nanomagnetic metal–organic frameworks as a catalyst for the synthesis of new pyridines and 1,4-dihydropyridines via a cooperative vinylogous anomeric based oxidation

Hassan Sepehrmansourie, Mahmoud Zarei, Zolfigol; Saeed Babace, Sadegh Rostamnia, *Scientific Reports* **2021**, 11, 5279.



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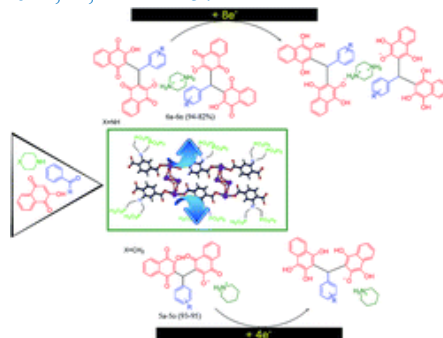
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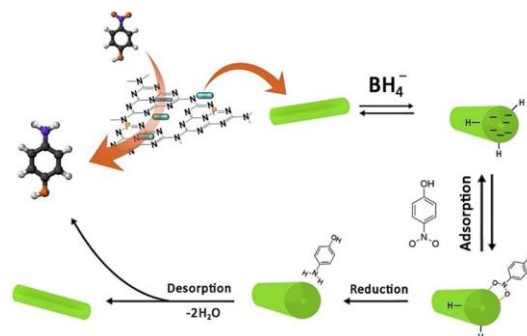
(172) Synthesis of biological based hennotannic acid-based salts over porous bismuth coordination polymer with phosphorous acid tags

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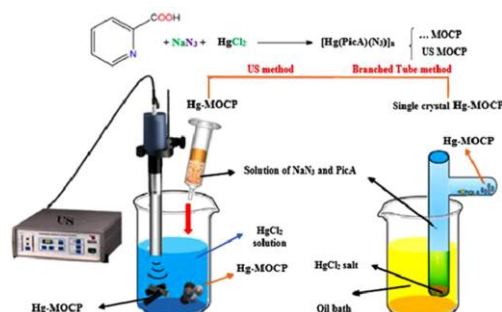
(171) Hydrothermally exfoliated P-doped g-C₃N₄ decorated with gold nanorods for highly efficient reduction of 4-nitrophenol

Hamed Mohtasham, Behnam Gholipour, Sadegh Rostamnia, Azra Ghiasi-Moaser, Mustafa Farajzadeh, Nasrin Nouruzi, Ho Won Jang, Rajender S. Varma, Mohammadreza Shokouhimehr, *Colloids and Surfaces A: Physicochemical and Engineering Aspects*. 2021, 614, 126187



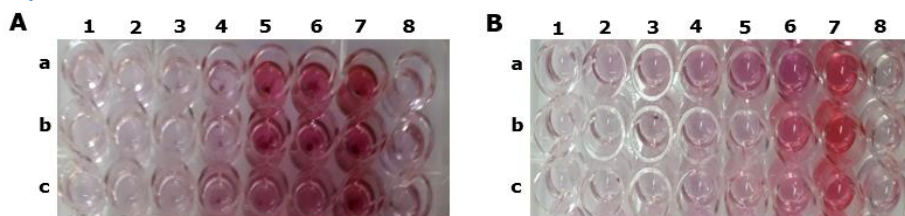
(170) Morphologically controlled eco-friendly synthesis of a novel 2D Hg (II) metal-organic coordination polymer: Biological activities and DFT analysis

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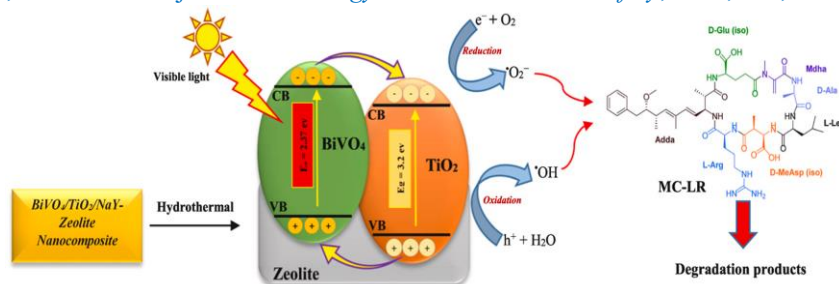
(169) Biosynthesis of AgNPs onto the urea-based periodic mesoporous organosilica (AgxNPs/Ur-PMO) for antibacterial and cell viability assay

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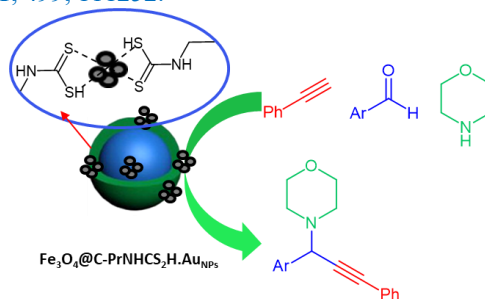
(168) A novel ternary heterogeneous TiO2/BiVO4/NaY-Zeolite nanocomposite for photocatalytic degradation of microcystin-leucine arginine (MC-LR) under visible light

Afshin Ebrahimi, Negar Jafari, Karim Ebrahimpour, Mahboobe Karimi, Sadegh Rostamnia, Ali Behnami, Reza Ghanbari, Amir Mohammadi, Behzad Rahimi, Ali Abdollahnejad, *Ecotoxicology and Environmental Safety*, **2021**, 210, 111862



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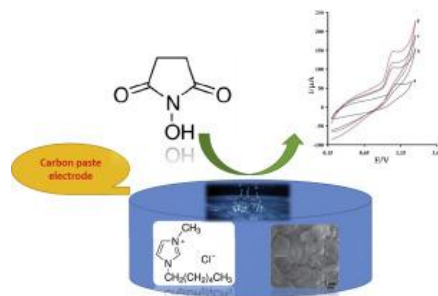
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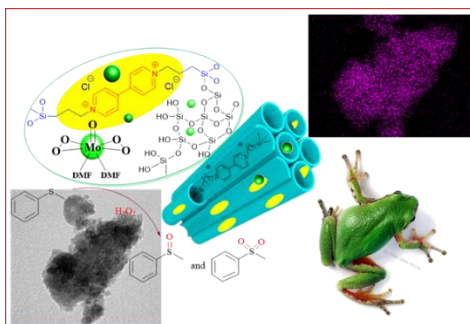
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(165) Curbed of molybdenum oxido-diperoxido complex on ionic liquid body of mesoporous Bipy-PMO-IL as a promising catalysis for selective sulfide oxidation

Azra Ghiasi Moaser, Arefeh Ahadi, Shamila Rouhani, Bhekia B Mamba, Titus A-M Msagati, Sadegh Rostamnia, Taras Kavetsky, Stefano Dugheri, Samad Khaksar, Amir Hasanzadeh, Mohammadreza Shokouhimehr, *Journal of Molecular Liquids*, **2020**, 312, 113388



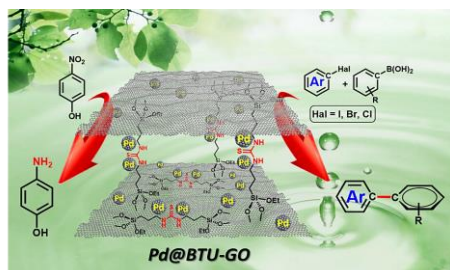
(164) Anchoring Pd-nanoparticles on dithiocarbamate-functionalized SBA-15 for hydrogen generation from formic acid

M Farajzadeh, H Alamgholiloo, F Nasibipour, R Banaci, S Rostamnia, *Scientific Reports* **2020**, 10 (1), 1-9

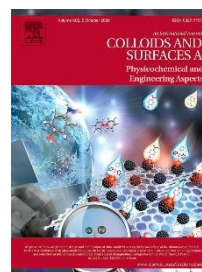


(163) Anchoring and stabilization of colloidal PdNPs on exfoliated bis-thiourea modified graphene oxide layers with super catalytic activity in water and PEG

Hassan Alamgholiloo, Sadegh Rostamnia, Nader Noroozi Pesyan, *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2020**, 602, 125130

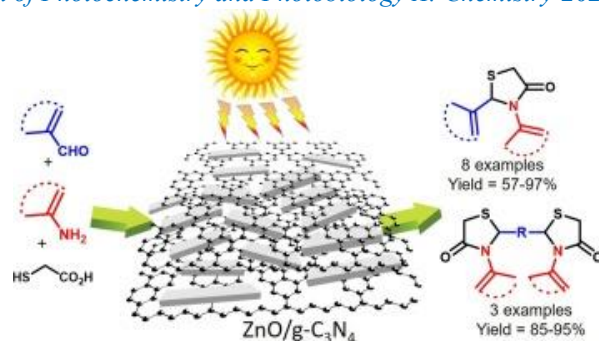


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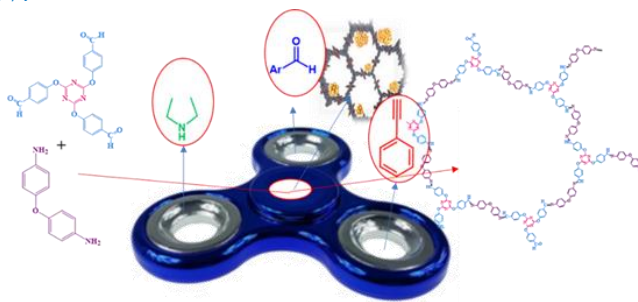
(162) Visible-light-driven photocatalytic activity of ZnO/g-C₃N₄ heterojunction for the green synthesis of biologically interest small molecules of thiazolidinones

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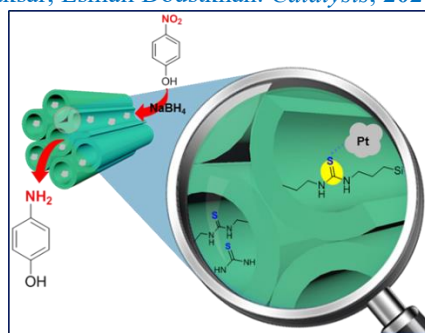
(161) Porous triazine polymer: A novel catalyst for the three-component reaction

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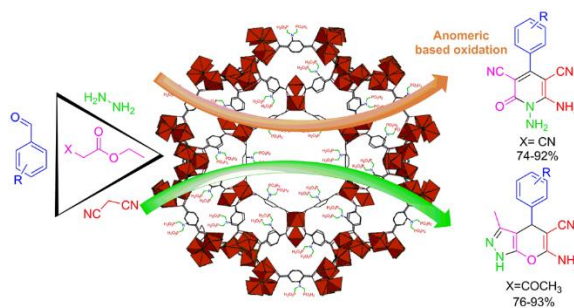
(160) 2D mesoporous channels of PMO; a platform for cluster-like Pt synthesis and catalytic activity in nitrophenol reduction

Mohamed Esmat, Hamed Mohtasham, Yasser Gadelhak, Reza Tarbiat Mehreban, Rafat Tahawy, Sadegh Rostamnia, Naoki Fukata, Samad Khaksar, Esmail Doustkhah. *Catalysis*, **2020**, 10(2), 167



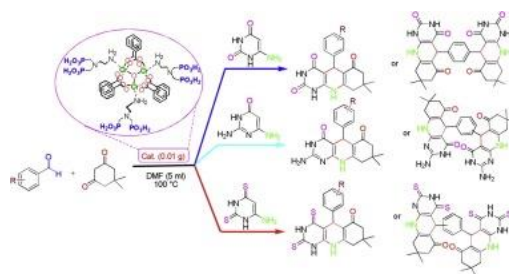
(159) Synthesis of metal-organic frameworks MIL-101(Cr)-NH₂ containing phosphorous acid functional groups: Application for the synthesis of N-amino-2-pyridone and pyrano [2,3-c]pyrazole derivatives via a cooperative vinylogous anomeric based oxidation

Saeed Babaei; Mahmoud Zarei; Hassan Sepehrmansouri; Mohammad Ali Zolfigol; Sadegh Rostamnia, *ACS Omega* **2020**, 5(12), 6240-6249.



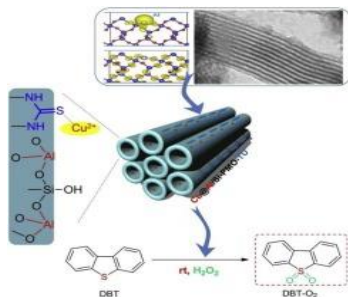
(158) Multilinker phosphorous acid anchored En/MIL-100(Cr) as a novel nanoporous catalyst for the synthesis of new N-heterocyclic pyrimido[4,5-b]quinolines

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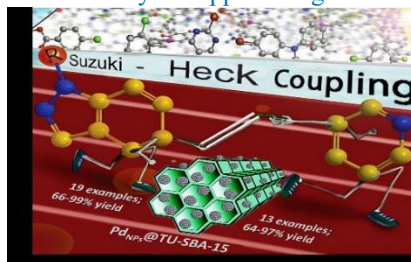


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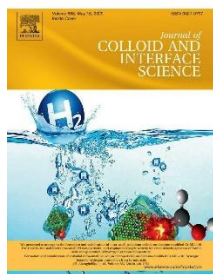
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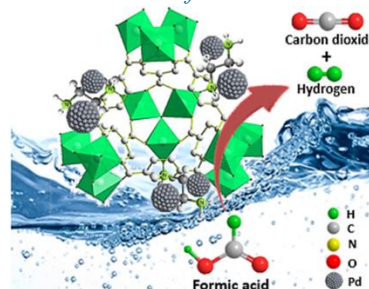


(153) Formation and stabilization of colloidal ultra-small palladium nanoparticles on diamine-modified Cr-MIL-101: Synergic boost to hydrogen production from formic acid

Hassan Alamgholiloo, Sadegh Rostamnia, Asadollah Hassankhani, Xiao Liu, Aziz Eftekhari, Amir Hasanzadeh, Kaiqiang Zhang, Hassan Karimi-Maleh, Samad Khaksar, R. Varma, Mohammadreza Shokouhimehr. *Journal of Colloid and Interface Science*, **2020**, 567, 126-135.



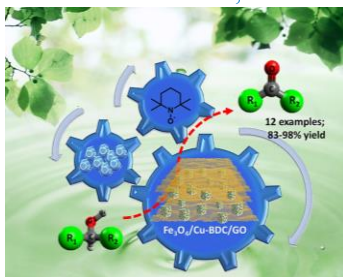
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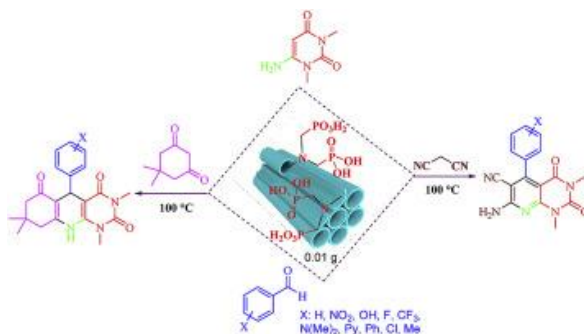
(152) Boosting Aerobic Oxidation of Alcohols via Synergistic Effect between TEMPO and a Composite $\text{Fe}_3\text{O}_4/\text{Cu-BDC}/\text{GO}$ Nanocatalyst

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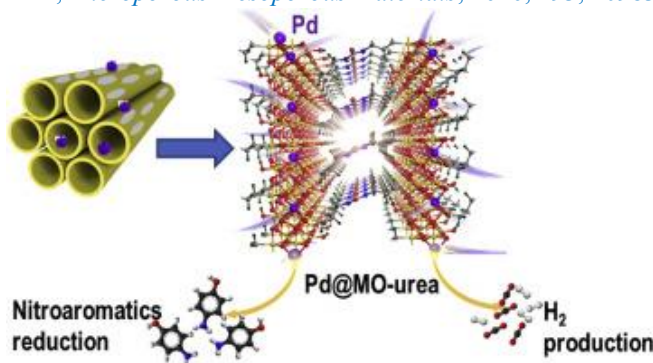
(151) SBA-15/ $\text{PrN}(\text{CH}_2\text{PO}_3\text{H}_2)_2$ as a novel and efficient mesoporous solid acid catalyst with phosphorous acid tags and its application on the synthesis of new pyrimido[4,5-*b*]quinolones and pyrido[2,3-*d*]pyrimidines via anomeric based oxidation.

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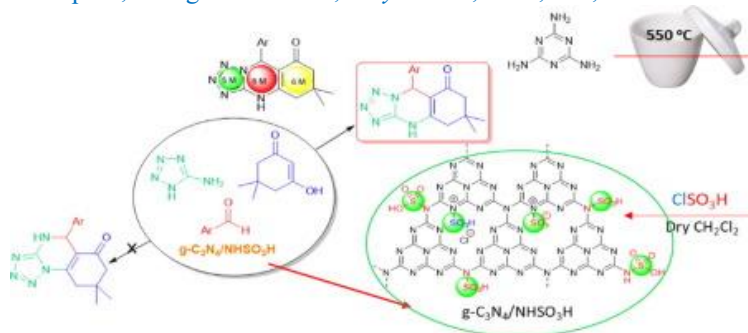


(150) Organosiloxane tunability in mesoporous organosilica and punctuated Pd nanoparticles growth; theory and experiment

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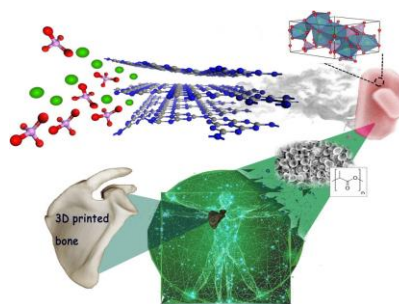


- (149) An efficient regioselective three-component synthesis of tetrazoloquinazolines using g-C₃N₄ covalently bonded sulfamic acid
Asadollah Hassankhani, Behnam Gholipour, Sadegh Rostamnia, *Polyhedron*, **2020**, 175, 114217.

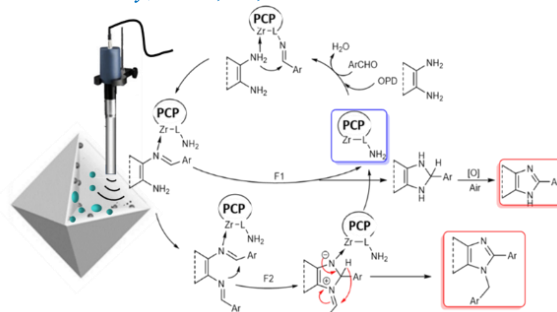


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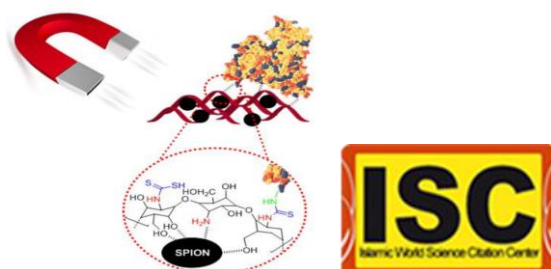
- (148) Template-oriented synthesis of hydroxyapatite nanoplates for 3D bone printing
Esmail Doustkhah, Reza Najafi Zare, Yusuke Yamauchi, Asghar Taheri-Kafrani, Hamed Mohtasham, Mohamed Esmat, Yusuke Ide, Naoki Fukata, Sadegh Rostamnia, Morteza H. Sadeghi, M. Hussein N. Assadi, *Journal of Materials Chemistry B*, **2019**, 7(45), 7228-7234.



- (147) Zirconium based porous coordination polymer (PCP) bearing organocatalytic ligand: a promising dual catalytic center for heterocycle synthesis
Paria Panahi, Nasrin Nouruzi, Esmail Doustkhah, Hamed Mohtasham, Arefeh Ahadi, Azra Ghiasi-Moaser, Sadegh Rostamnia, Ghodrat Mahmoudi, Alireza Khataee. *Ultrasonics Sonochemistry*, **2019**, 58, 104653.

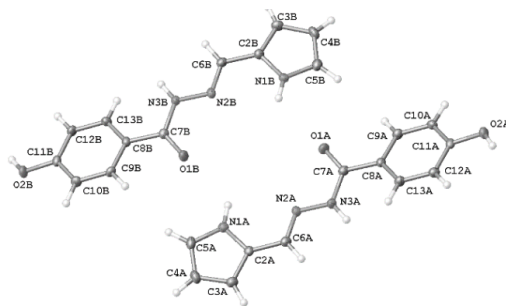


- (146) Dithiocarbamate modified SPION-Chitosan nanobiocomposite, a promising adsorbent for bovine serum albumin (BSA)
Esmail Doustkhah, Mohammad Heydarizadeh; Zahra Fathi; Hamed Mohtasham; Sadegh Rostamnia; Morteza Hasani, *Chemical Methodologies*. **2019**, 3(5), 562-570.



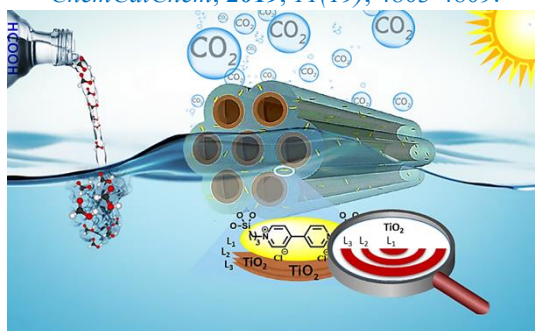
(145) Crystal Structure of (E)-N'-((1H-pyrrol-2-yl)methylene)-4-hydroxybenzohydrazide

Ghodrat Mahmoudi, Sadegh Rostamnia, Guillermo Zaragoza, Iván Brito, Jonathan Cisterna, Alejandro Cárdenas. *Journal of the Chilean Chemical Society*. **2019**, 64(3), 4496-4501.



(144) Layer-Wise Titania Growth Within Dimeric Organic Functional Group Viologen Periodic Mesoporous Organosilica as Efficient Photocatalyst for Oxidative Formic Acid Decomposition

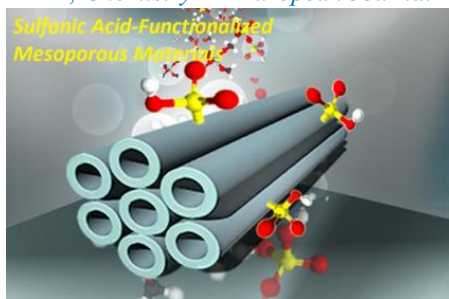
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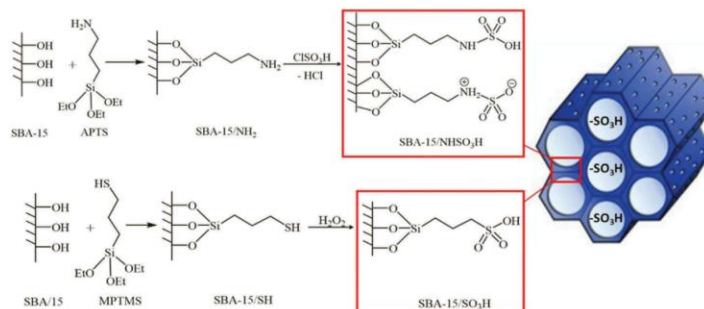
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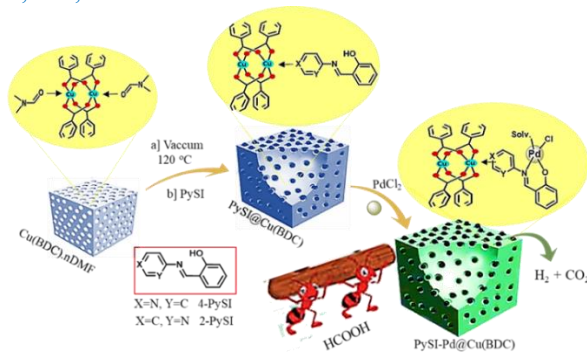
(142) Adsorption of Eu(III), Th(IV), and U(VI) by mesoporous solid materials bearing sulfonic acid and sulfamic acid functionalities

Zohreh Dousti, Leila Dolatyari, Mohammad Reza Yaftian; Sadegh Rostamnia, *Separation Science and Technology*, **2019**, 54, 2609-2624.



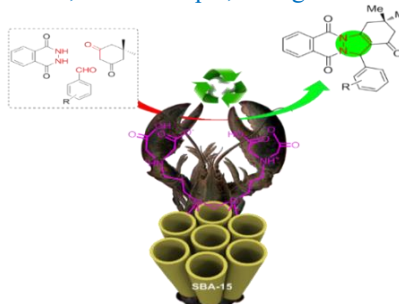
(141) Synthesis of bimetallic 4-PySI-Pd@ Cu (BDC) via open metal site Cu-MOF: Effect of metal and support of Pd@ Cu-MOFs in H₂ generation from formic acid

Hassan Alamgholiloo, Shengbo Zhang, Arefeh Ahadi, Sadegh Rostamnia, Reza Banaci, Zhongcheng Li, Xiao Liu, Mohammadreza Shokouhimehr. *Molecular Catalysis*, **2019**, 467, 30-37.



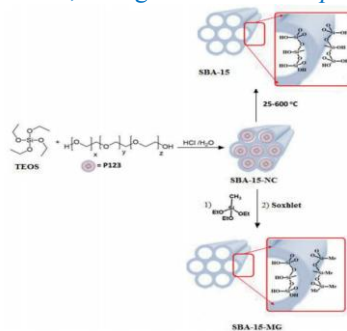
(140) Mesoporous SBA-15/PIDA as a Dendrimer Zwitterionic Amino Acid-Type Organocatalyst for Three-Component Indazolophtalazine Synthesis

Esmail Doustkhah, Ali Baghban, M. Hussein N. Assadi, Rafael Luque, Sadegh Rostamnia. *Catalysis Letters*, **2019**, 149, 591–600.



(139) Unmodified SBA-15 adsorbents for the removal and separation of Th(IV) and U(VI) ions: the role of pore channels and surface-active sites

Leila Dolatyari, Mehri Shateri, Mohammad Reza Yaftian, Sadegh Rostamnia. *Separation Science and Technology*, **2019**, 54, 2863-2878



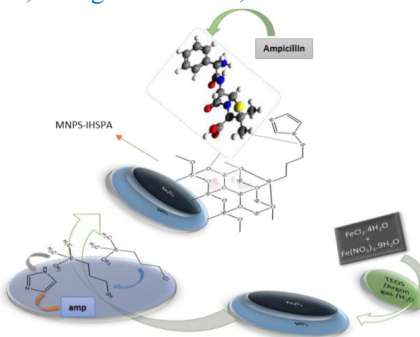
(138) Palladium Comprising Dicationic Bipyridinium Supported Periodic Mesoporous Organosilica (PMO): Pd@Bipy-PMO as an Efficient Hybrid Catalyst for Suzuki–Miyaura Cross-Coupling Reaction in Water

Arefeh Ahadi, Sadegh Rostamnia, Paria Panahi, Lee D. Wilson, Qingshan Kong, Zengjian An and Mohammadreza Shokouhimehr. *Catalysis*, **2019**, 9(2), 140



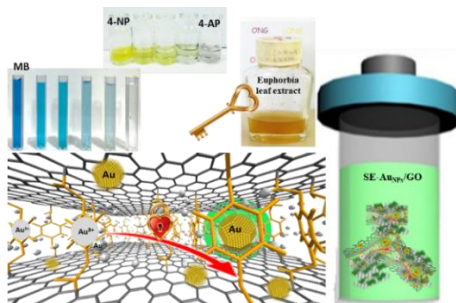
(137) Application of MNPs-IHSPN nanoparticles in really stabilization of biomolecules bio drugs In-vitro environment

Mansour Binandeh, Farokh Karimi, Sadegh Rostamnia, *J Microb Biochem Technol*, **2019**, 11, 416-423.



(136) Euphorbia leaf extract-assisted sustainable synthesis of Au NPs supported on exfoliated GO for superior activity on water purification: reduction of 4-NP and MB

Naser Sabaghnia, Mohsen Janmohammadi, Maryam Dalili, Ziba Karimi, Sadegh Rostamnia, *Environmental Science and Pollution Research*, **2019**, 26(12), 11719–11729



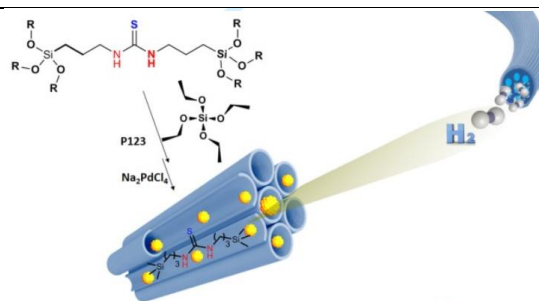
(135) Exfoliated Graphene-Based 2D Materials: Synthesis and Catalytic Behaviors

E Doustkhah, M Farajzadeh, H Mohtasham, J Habeeb, S Rostamnia, *Handbook of Graphene Set 1*, 529-558

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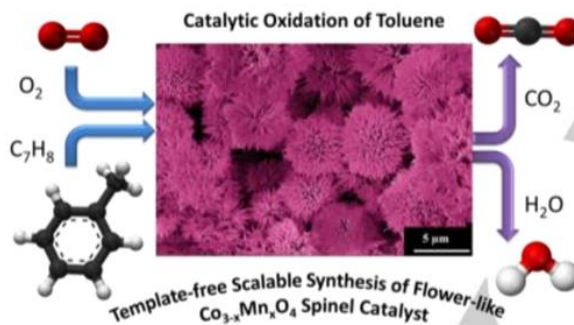
(134) Efficient H₂ Generation Using Thiourea-Based Periodic Mesoporous Organosilica with Pd Nanoparticles

Esmail Doustkhah, Sadegh Rostamnia, Behzad Zeynizadeh, J Kim, Yusuke Yamauchi, Yusuke Ide, *Chemistry Letters* **47**(9), 1243-1245, **2018**.



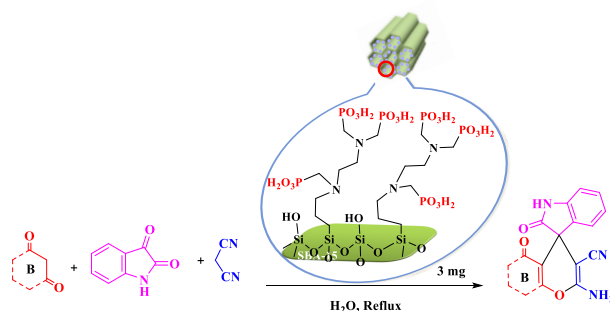
(133) Template-free Scalable Synthesis of Flower-like $\text{Co}_{3-x}\text{Mn}_x\text{O}_4$ Spinel Catalysts for Toluene Oxidation

Hamidreza Arandiyan, Yuan Wang, Yuxi Liu, Yijing Liang, Yue Peng, Stuart Bartlett, Hongxing Dai, Sadegh Rostamnia, Junhua Li, *ChemCatChem*, **2018**, Pages 3429-3434.



(132) Three-Component Synthesis of Spiropyrans Using SBA-15/En Bonded Phosphorous Acid [SBA-15/Pr-NH_{1-y}(CH₂PO₃H₂)_y-Et-NH_{2-x}(CH₂PO₃H₂)_x] as a New Nanoporous Heterogeneous Catalyst

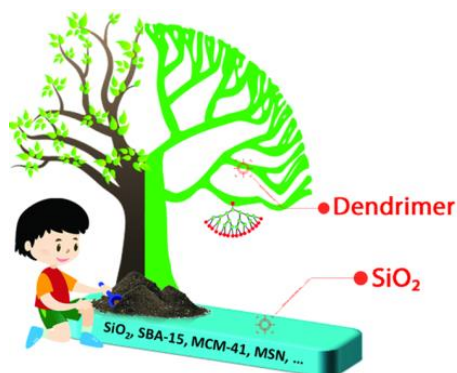
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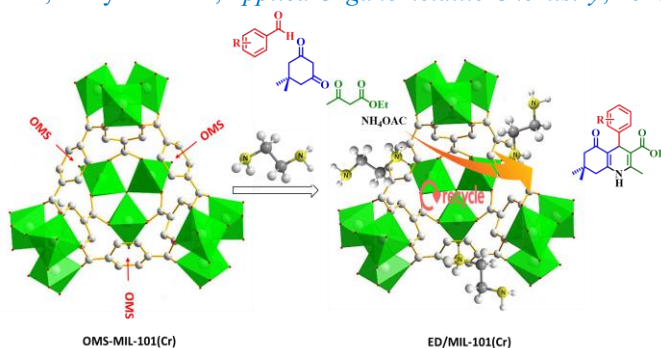
(131) Silica nanostructures, a heterogeneous surface for dendrimer functionalization

Mohammad Heidarizadeh, Esmail Doustkhah, Farveh Saberi, Sadegh Rostamnia, Asadollah Hassankhani, Parisa Fathi Rezaei, Yusuke Ide, *ChemistrySelect.*, **2018**, 3(25), 7137-7151.



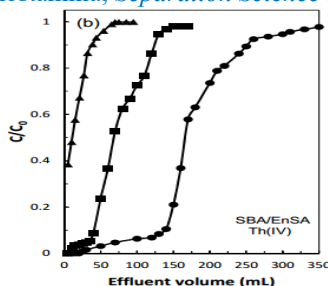
(130) Ethylene diamine post-synthesis modification on open metal site Cr-MOF to access efficient bifunctional catalyst for the Hantzsch condensation reaction

Sadegh Rostamnia, Hassan Alamgholiloo, Maryam Jafari, *Applied Organometallic Chemistry*, **2018**, 32(8), e4370.



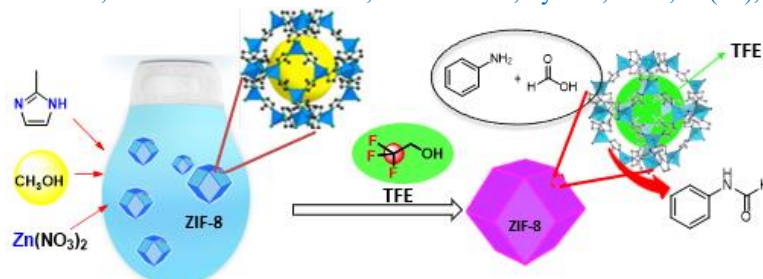
(129) Adsorption of Th(IV) and U(VI) on functionalized SBA-15 mesoporous silica materials using fixed bed column method; breakthrough curves prediction and modeling

Leila Dolatyari, Mohammad Reza Yaftian, Sadegh Rostamnia, *Separation Science and Technology*, **2018**, 53, 1282-1294.



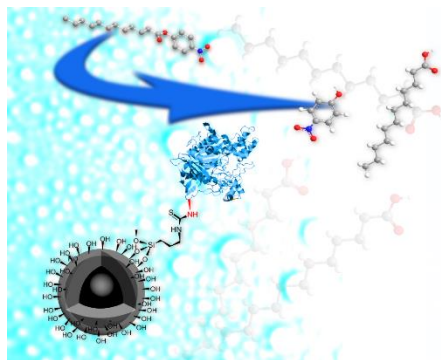
(128) Synthesis of a zeolitic imidazolate–zinc metal–organic framework and the combination of its catalytic properties with 2, 2, 2-trifluoroethanol for N-formylation

Hassan Alamgholiloo, Sadegh Rostamnia, Asadollah Hassankhani, Reza Banaei, Synlett, **2018**, 29(12), 1593-1596.



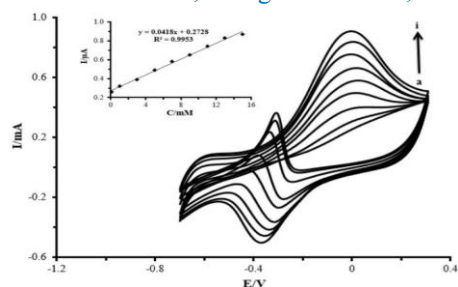
(127) Interaction of Yarrowia lipolytica lipase with dithiocarbamate modified magnetic carbon Fe3O4@C-NHCS2H core-shell nanoparticles

Zahra Fathi, Esmail Doustkhah, Sadegh Rostamnia, Farshad Darvishi, Ameneh Ghodsi, Y Ide, *International Journal of Biological Macromolecules*, **2018**, 117, 218-224.



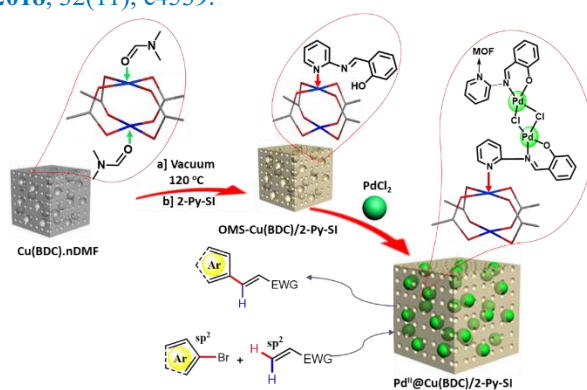
(126) A highly sensitive electrochemical sensor for the determination of methanol based on PdNPs@SBA-15-PrEn modified electrode

Ziba Karimi, Mojtaba Shamsipur, Mahmoud Amouzadeh Tabrizi, Sadegh Rostamnia, *Analytical Biochemistry*, **2018**, 548, 32-37.



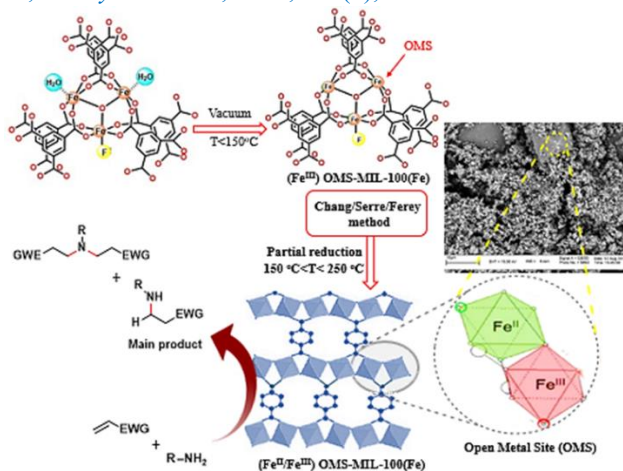
(125) Stepwise post-modification immobilization of palladium Schiff-base complex on to the OMS-Cu(BDC)/2-Py-SI metal-organic framework for Mizoroki-Heck cross-coupling reaction

Hassan Alamgholiloo, Sadegh Rostamnia, Asadollah Hassankhani, Jabbar khalafy, Mehdi M. Baradarani, Ghodrat Mahmoudi, Xiao Liu, *Applied Organometallic Chemistry*, **2018**, 32(11), e4539.



(124) Synthesis and catalytic application of mixed valence iron (Fe^{II}/Fe^{III})-based OMS-MIL-100(Fe) as an efficient green catalyst for the aza-Michael reaction

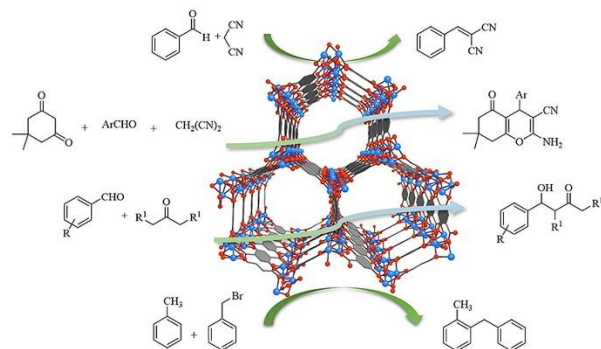
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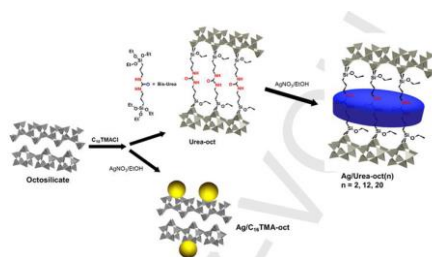
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(122) Templated synthesis of atomically-thin Ag nanocrystal catalysts in the interstitial space of a layered silicate

Esmail Doustkhah, Sadegh Rostamnia, Nao Tsunoji, Joel Henize, Toshiaki Takei, Yusuke Yamauchi, Yusuke Ide, *Chemical communications.*, **2018**, 54(35),4402-4405.



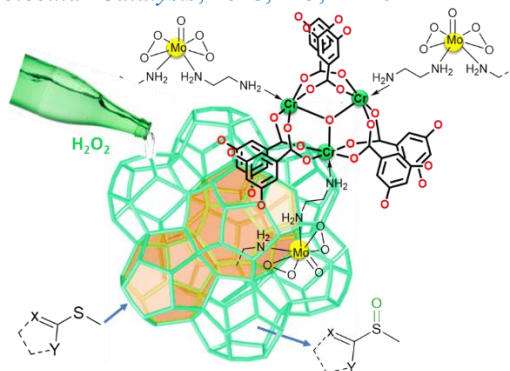
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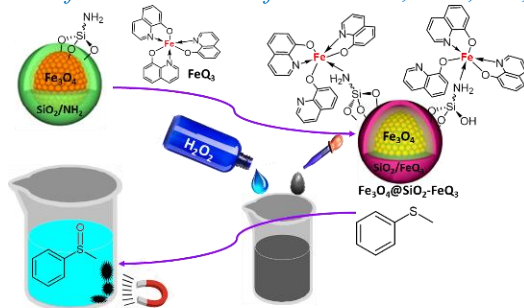
(121) Nanoarchitecturing of open metal site Cr-MOFs for oxidiperoxo molybdenum complexes [MoO(O₂)₂@En/MIL-100(Cr)] as a promising and bifunctional catalyst for selective thioether oxidation

Sadegh Rostamnia, Farahnaz Mohsenzad, *Molecular Catalysis*, **2018**, 445, 12-20.



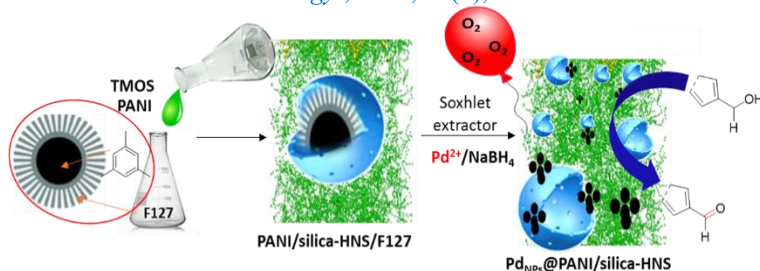
(120) Immobilization of the iron (III) tris(8-quinolinolato-*N,O*) onto the silica coted Magnetite: Fe₃O₄@SiO₂-FeQ₃ as a nanomagnetically interfacial catalyst for waste-free green oxidation of sulfides

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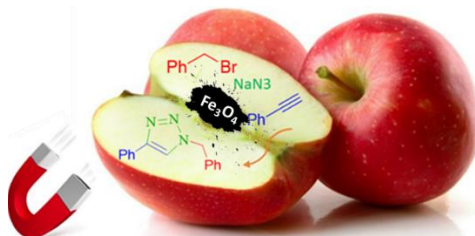
(119) Polymeric hybrid mesoporous silica hollow nanospheres as a support for palladium and application of the Pd_{NPs}@PANI/HNS nanocomposite for aerobic benzyl alcohol oxidation

Sadegh Rostamnia, Saba Kholdi. *Advanced Powder Technology.*, **2018**, 29(5), 1167-1174.



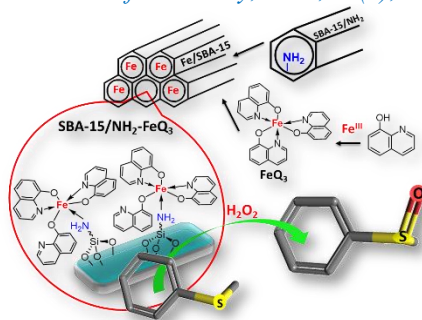
(118) Copper immobilization on carboxylic acid-rich Fe₃O₄-Pectin: Cu²⁺@ Fe₃O₄-Pectin a superparamagnetic nanobiopolymer source for click reaction

Esmail Doustkhah, Mohammad Heidarizadeh, Sadegh Rostamnia, Asadollah Hassankhani, Bagher Kazemi, Xiao Liu, *Materials Letters* **2018**, 216, 139–143.



(117) Post-synthetically modified SBA-15 with NH₂-2-coordinately immobilized iron-oxine: SBA-15/NH₂-FeQ₃ as a Fenton-like hybrid catalyst for the selective oxidation of organic sulfides

Habib Golchin Hossieni, Sadegh Rostamnia, *New Journal of Chemistry*, **2018**, 42(1), 619-627.



(116) Adsorption of Eu (III), Th (IV), and U (VI) by mesoporous solid materials bearing sulfonic acid and sulfamic acid functionalities

Z Dousti, L Dolatyari, MR Yafian, S Rostamnia, *Separation Science and Technology*, **2018**, 54, Pages 2609-2624

(115) NH₂-coordinately immobilized tris(8-quinolinolato)iron onto the silica coated magnetite nanoparticle: Fe₃O₄@SiO₂-FeQ₃ as a selective Fenton-like catalyst for clean oxidation of sulfides

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(114) Catalytic behavior of perchloric acid on silica mesoporous SBA-15 as a green heterogeneous Bronsted acid in heterocyclic multicomponent reactions

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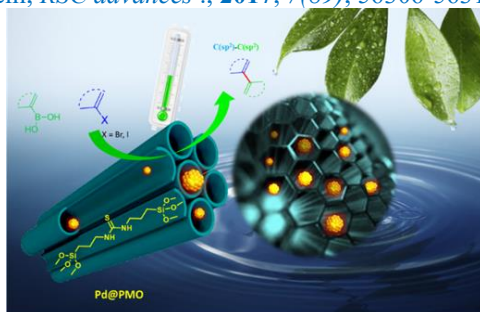
(113) Unmodified SBA-15 adsorbents for the removal and separation of Th (IV) and U (VI) ions: the role of pore channels and surface-active sites

L Dolatyari, M Shateri, MR Yaftian, S Rostamnia, *Separation Science and Technology*, 54(17) Pages 2863-2878, 2018

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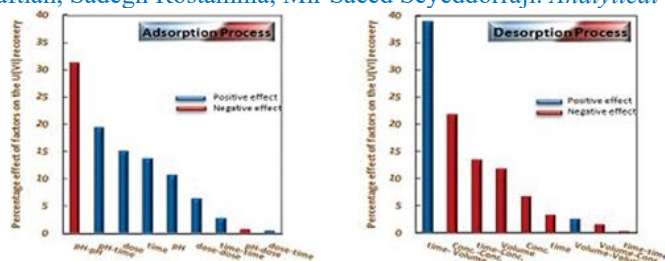
(112) Thiourea bridged periodic mesoporous organosilica with ultra-small Pd nanoparticles for coupling reactions

Esmail Doustkhah, Sadegh Rostamnia, Masataka Imura, Yusuke Ide, Shiva Mohammadi, Christopher J. T. Hyland, Jungmok You, Nao Tsunoji, Behzad Zeynizadeh, Yusuke Yamauchi, *RSC advances* ., 2017, 7(89), 56306-56310.



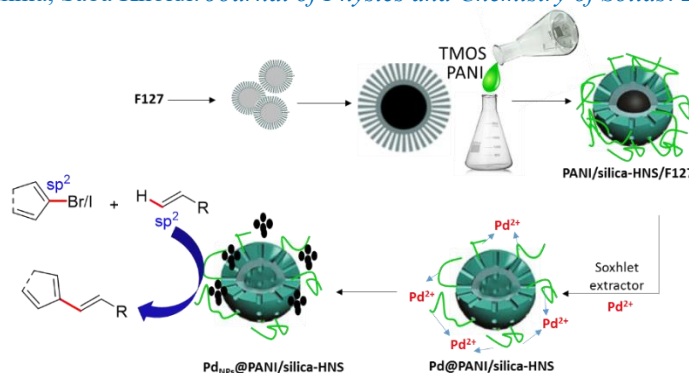
(111) Multivariate Optimization of a Functionalized SBA-15 Mesoporous Based Solid-Phase Extraction for U(VI) Determination in Water Samples

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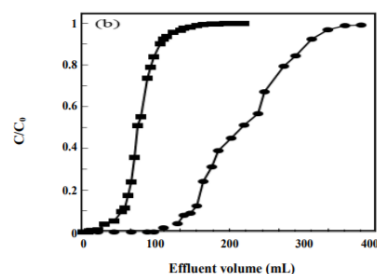
(110) Synthesis of hybrid interfacial silica-based nanospheres composite as a support for ultra-small palladium nanoparticle and application of Pd_{NPs}/HSN in Mizoroki-Heck reaction

Sadegh Rostamnia, Saba Kholdi. *Journal of Physics and Chemistry of Solids*. 2017, 111, 47–53

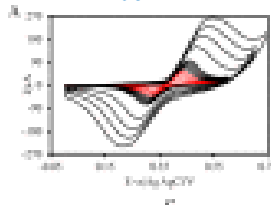


(109) Th(IV)/U(VI) sorption on modified SBA-15 mesoporous materials in fixed-bed column.

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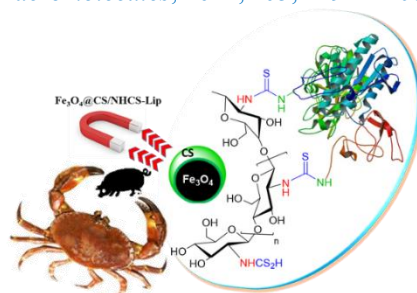


(108) Highly sensitive non-enzymatic electrochemical glucose sensor by Nafion/SBA-15-Cu (II) modified glassy carbon electrode
Mojtaba Shamsipur, Ziba Karimi, Mahmoud Amouzadeh Tabrizi, Sadegh Rostamnia. *Journal of Electroanalytical Chemistry*, **2017**, 799, 406-412



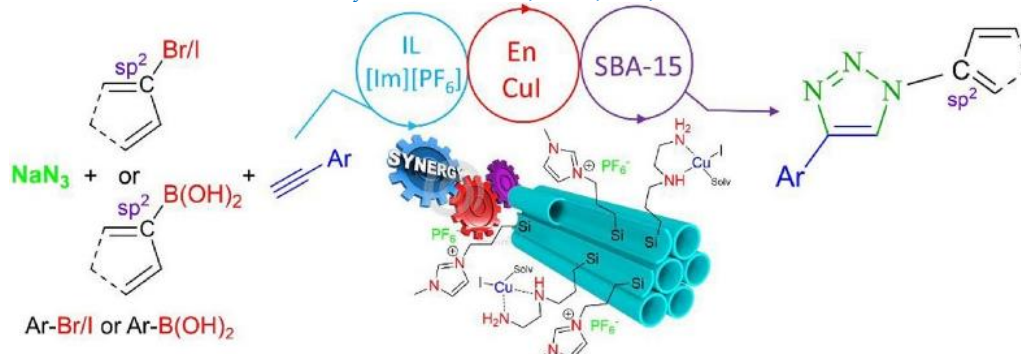
(107) Covalently bonded pancreatic lipase onto the dithiocarbamate/chitosan-based magnetite: Stepwise fabrication of Fe₃O₄@CS/NHCS-Lip as a novel and promising nanobiocatalyst

Ali Baghban, Mohammad Heidarizadeh, Esmail Doustkhah, Sadegh Rostamnia, Parisa Fathi Rezaei, *International Journal of Biological Macromolecules*, **2017**, 103, 1194–1200.



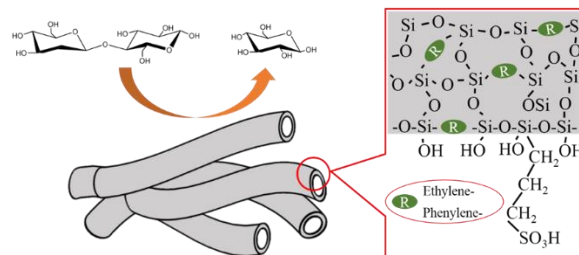
(106) Combining Ethylenediamine and Ionic Liquid Functionalities within SBA-15: A Promising Catalytic Pair for Tandem Cu–AAC Reaction

Habib Golchin Hosseini, Esmail Doustkhah, Marina V. Kirillova Sadegh Rostamnia, Ghodrat Mahmoudi, Alexander M. Kirillov, *Applied Catalysis A: General*, **2017**, 548, 96-102.



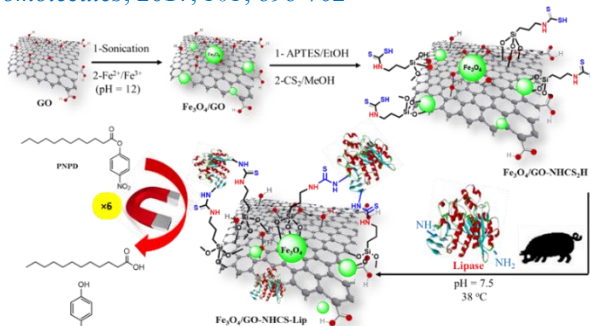
(105) Well-Shaped Sulfonic Organosilica Nanotubes with High Activity for Hydrolysis of Cellobiose

Jing Sun, Xiao Liu, Xinli Zhu, Hua Wang, Sadegh Rostamnia, Jinyu Han, *Catalysis*, **2017**, 7 (5), 127.



(104) Dithiocarbamate to modify magnetic graphene oxide nanocomposite (Fe₃O₄-GO); a new strategy for covalent enzyme (lipase) immobilization to fabrication a new nanobiocatalyst for enzymatic hydrolysis of PNPD

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(103) Metal-organic framework of amine-MIL-53(Al) as active and reusable liquid-phase reaction inductor for multicomponent condensation of Ugi-type reactions

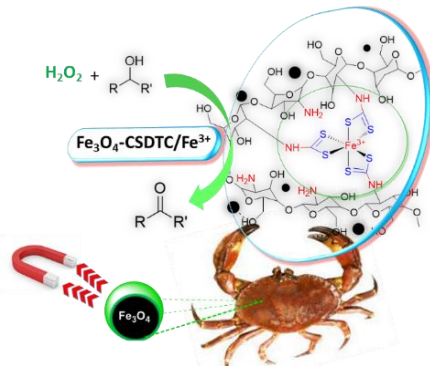
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(102) Design of chitosan-dithiocarbamate magnetically separable catalytic nanocomposites for greener aqueous oxidations at room temperature

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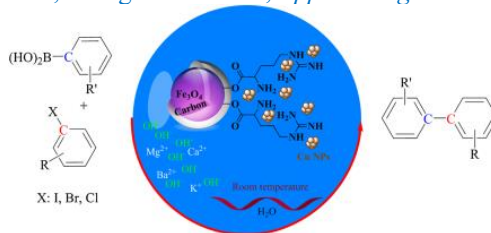


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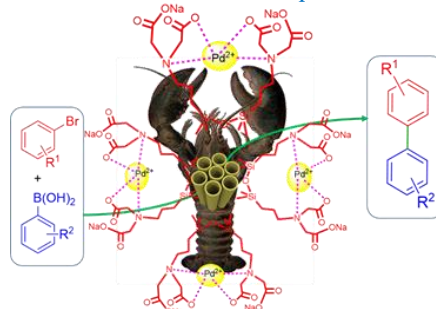
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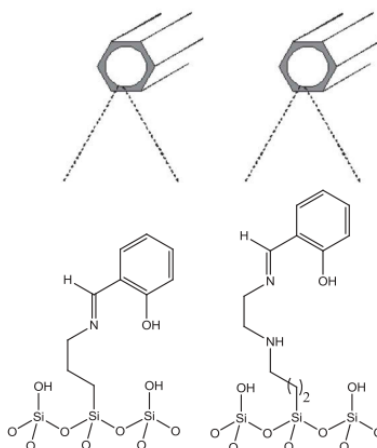
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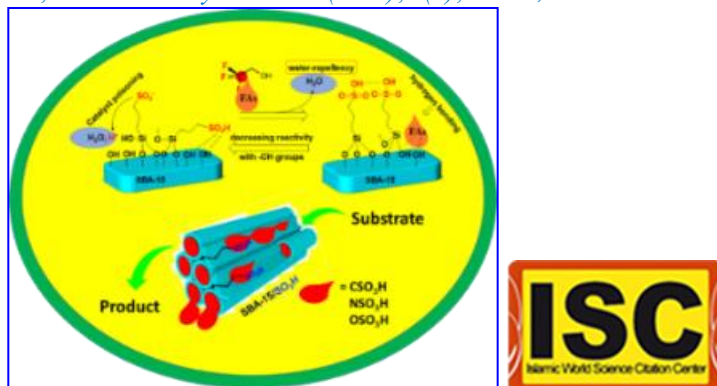
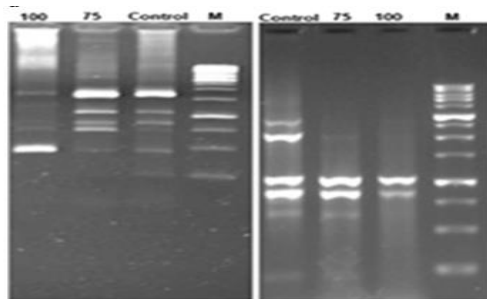
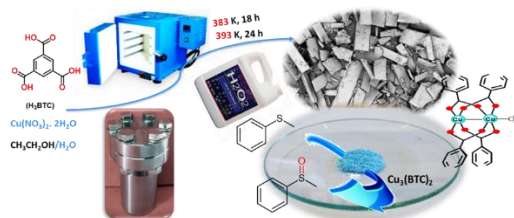
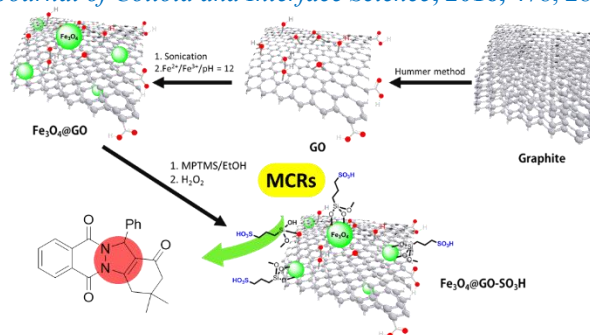


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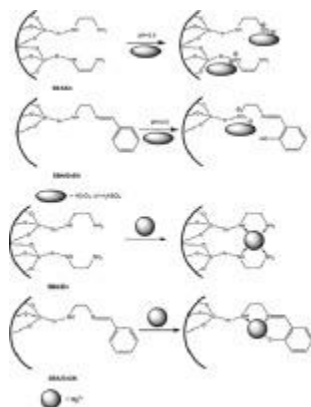
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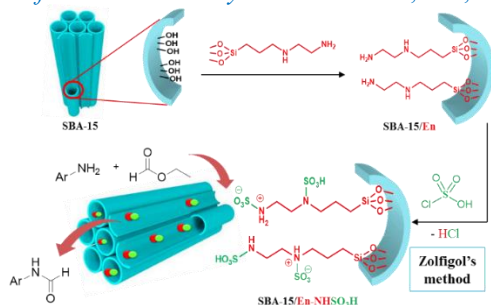
(91) Refinement of contaminated water by Cr(VI), As(V) and Hg(II) using N-donor ligands arranged on SBA-15 platform; batch and fixed-bed column methods

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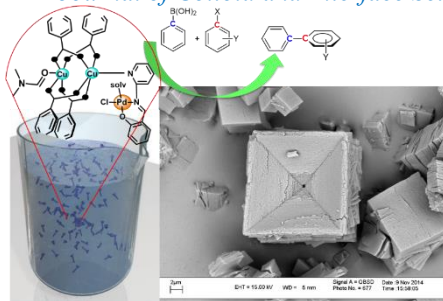
(90) Covalently bonded zwitterionic sulfamic acid onto the SBA-15 (SBA-15/PrEn-NHSO₃H) reveals good Bronsted acidity behavior and catalytic activity in N-formylation of amines

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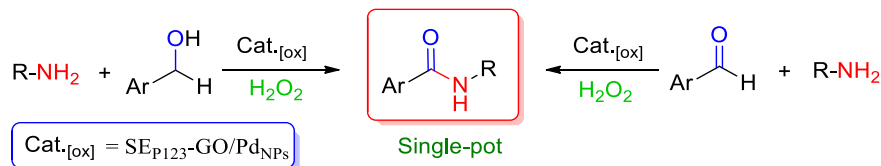
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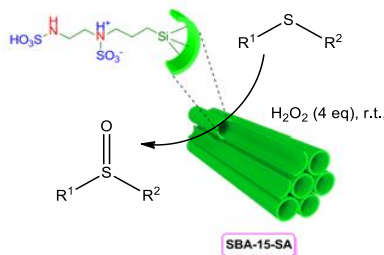
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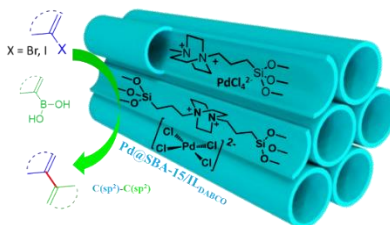
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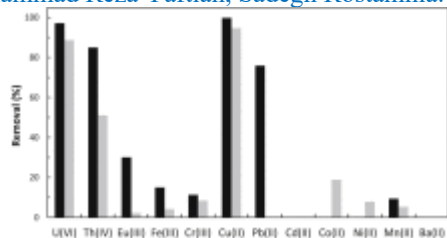
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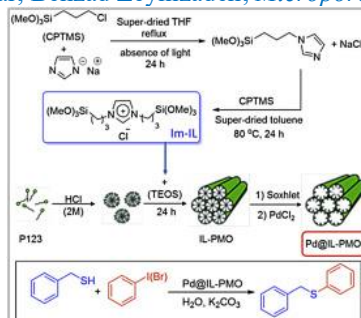
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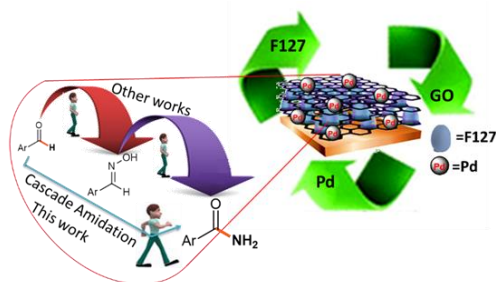
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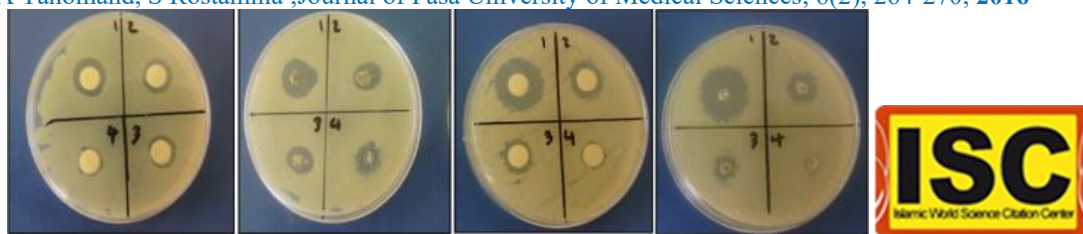
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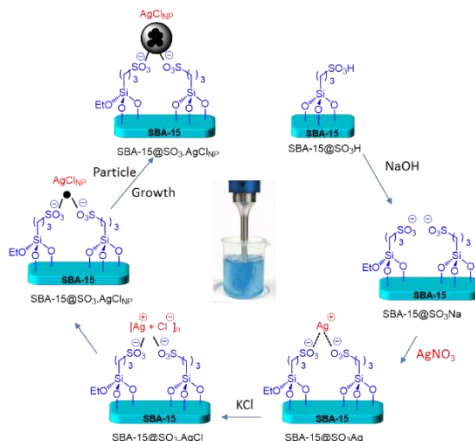
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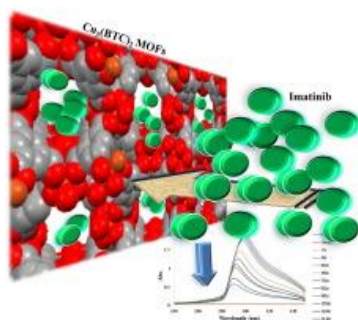
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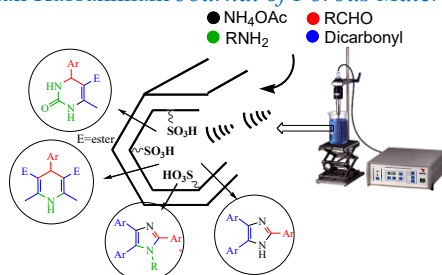
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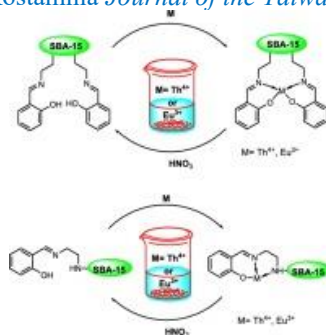


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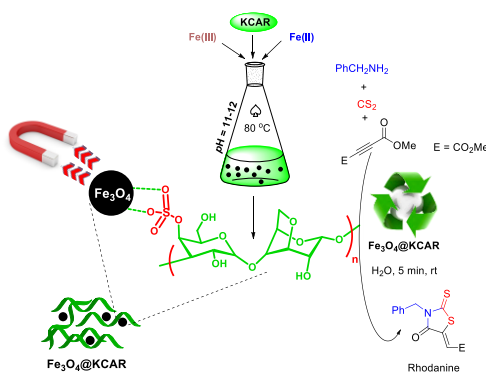
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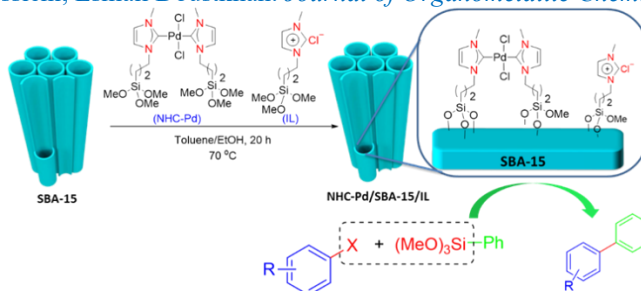
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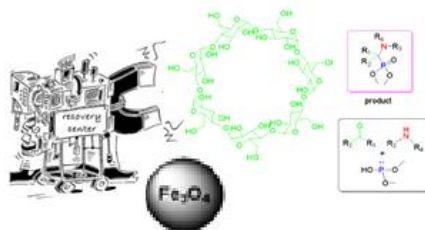
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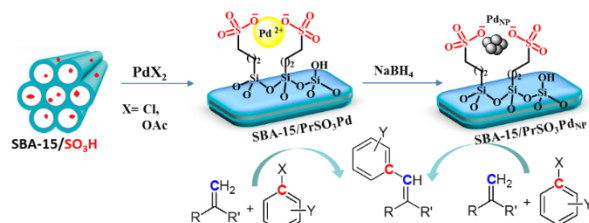
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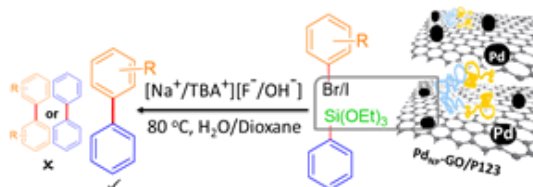
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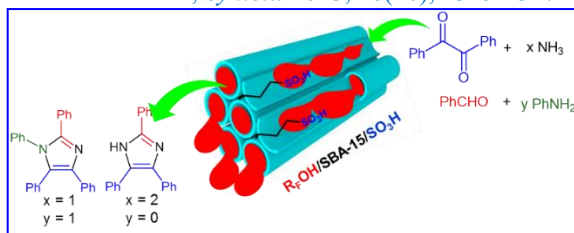
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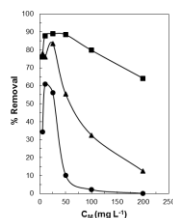


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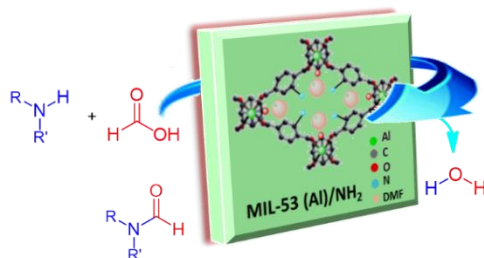
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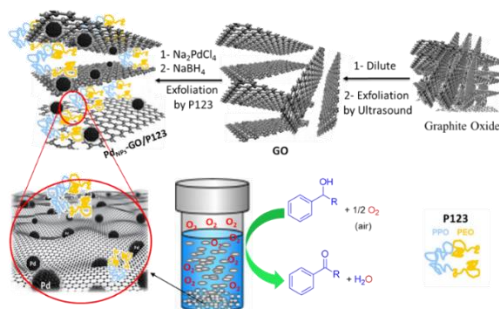
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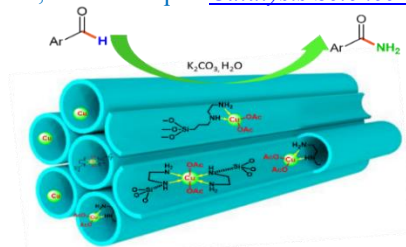


(64) Surfactant-Exfoliated Highly Dispersive Pd-Supported Graphene Oxide Nanocomposite as a Catalyst for Aerobic Aqueous Oxidations of Alcohols

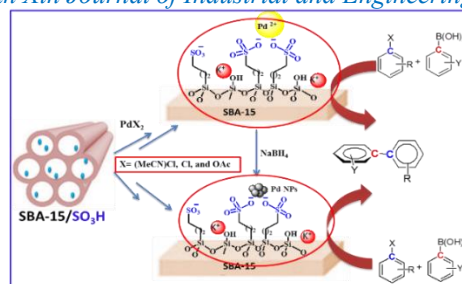
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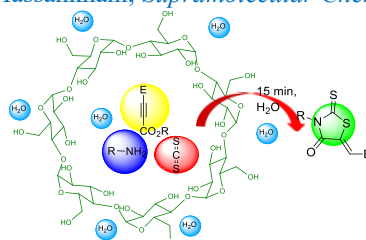
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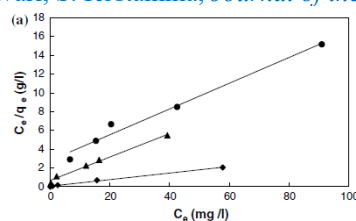
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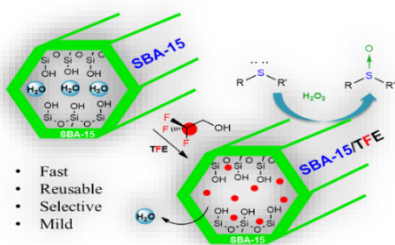
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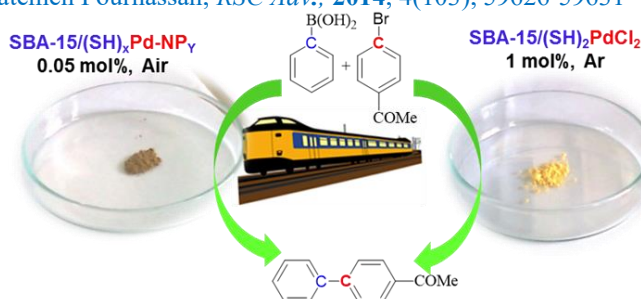
(58) Synthesis and synthetic applications of biologically interesting rhodanine and rhodanine-based scaffolds

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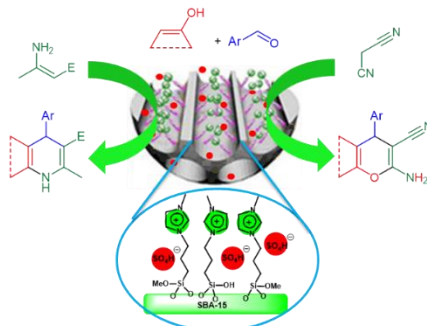
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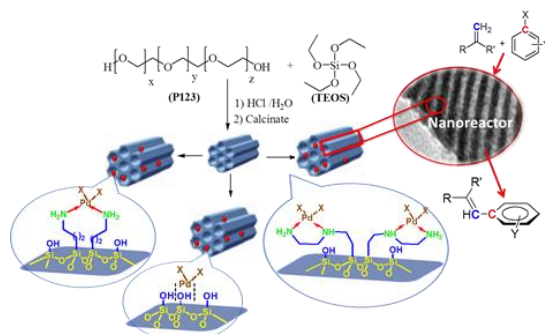
(56) Brønsted acidic hydrogensulfate ionic liquid immobilized SBA-15: [MPIIm][HSO₄]@SBA-15 as an environmentally friendly, metal- and halogen-free recyclable catalyst for Knoevenagel–Michael-cyclization processes

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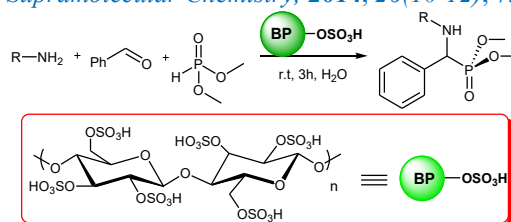
(55) Ordered interface mesoporous immobilize Pd pre-catalyst: En/Pd complexes embedded inside the SBA-15 as an active, reusable and selective phosphine-free hybrid catalyst for the water medium Heck coupling process

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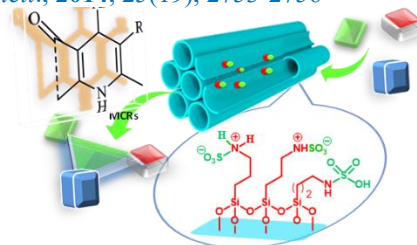
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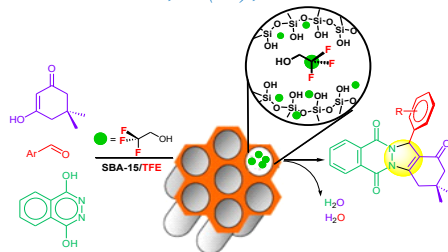
(53) Covalently bonded IL-type sulfamic acid onto the SBA-15: SBA-15/NHSO₃H as a highly active, reusable and selective green catalyst for solvent-free synthesis of Polyhydroquinolines and Dihydropyridines

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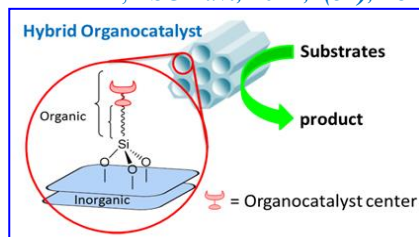
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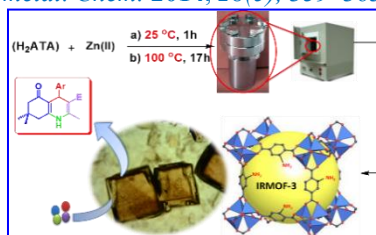


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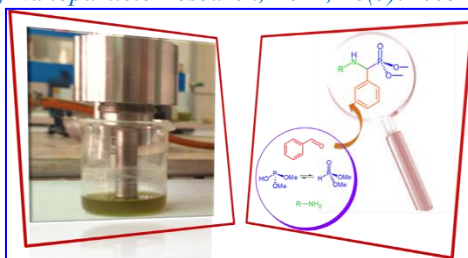
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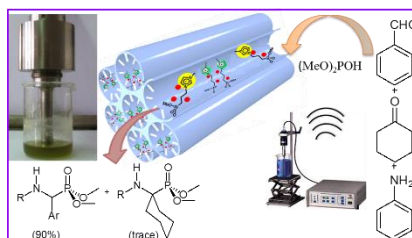
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Sadegh Rostamnia, Mojtaba Amini, *Journal of Nanoparticle Research*, **2014**, *16*(5):2405



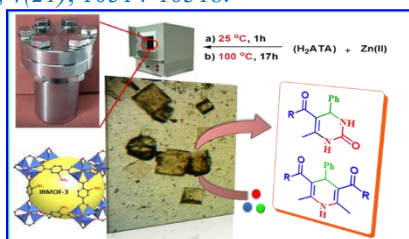
(48) Simultaneously application of ultrasonic irradiation and immobilized ionic liquid onto the SBA-15 nanoreactor (US/[MPIIm]Cl@SBA-15): A robust, recyclable and useful combined catalytic system for selective and waste-free Kabachnik-Fields reaction

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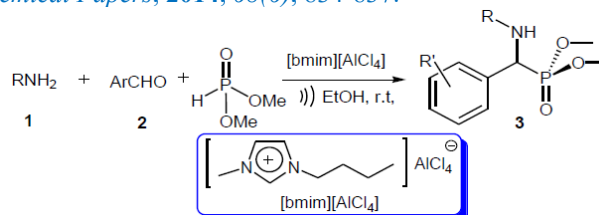
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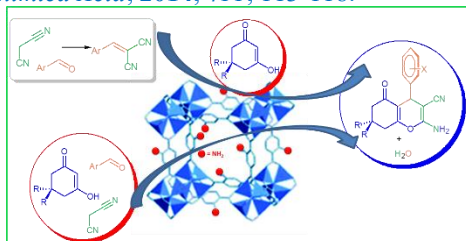
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Sadegh Rostamnia, Mojtaba Amini, *Chemical Papers*, **2014**, *68*(6), 834-837.



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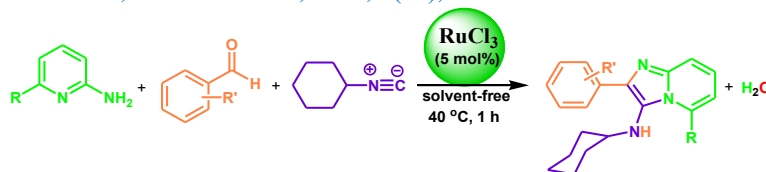
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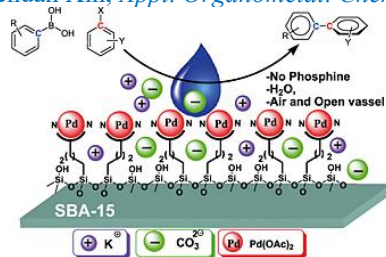
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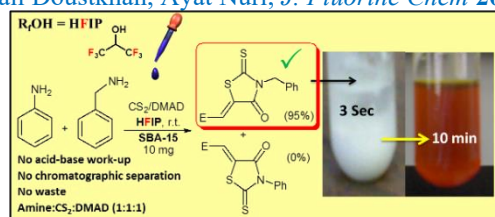
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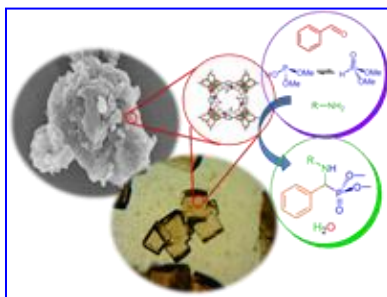
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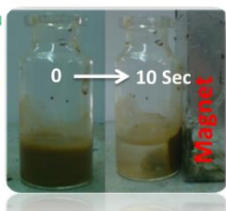
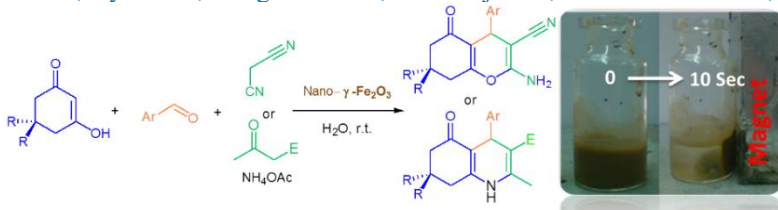


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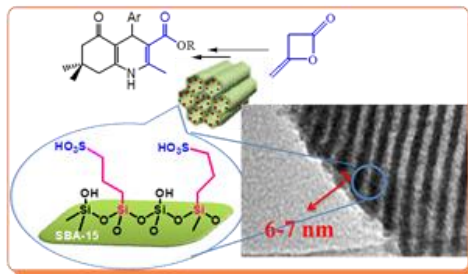
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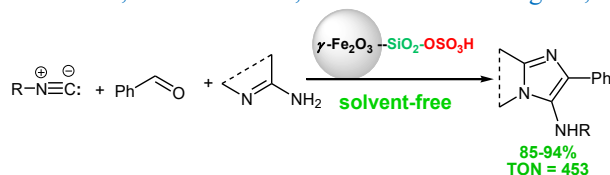
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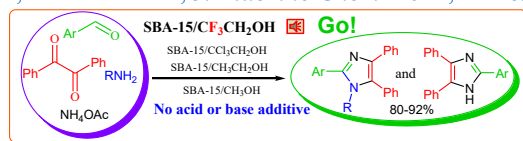


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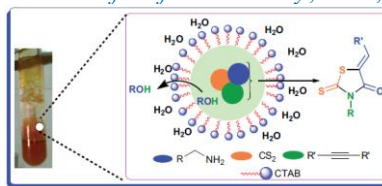


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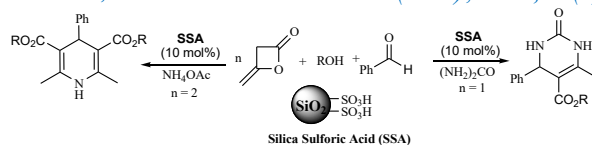
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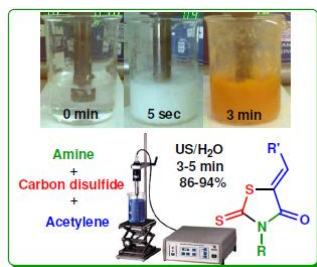
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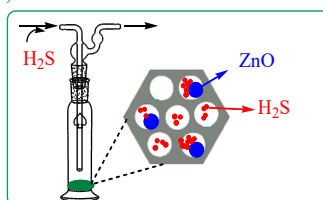
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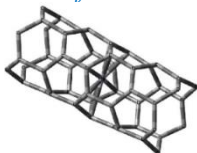
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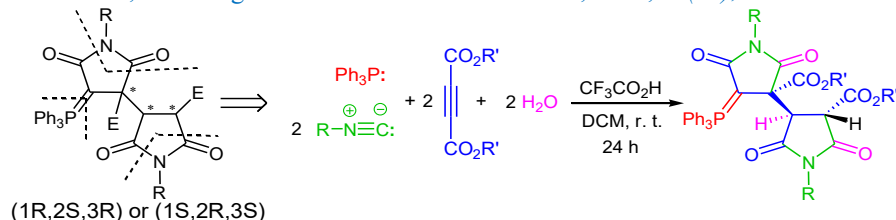
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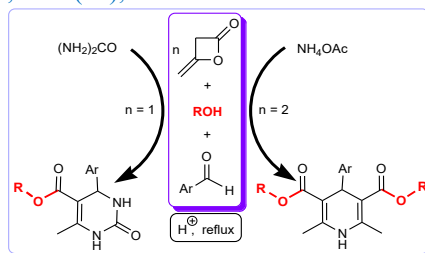
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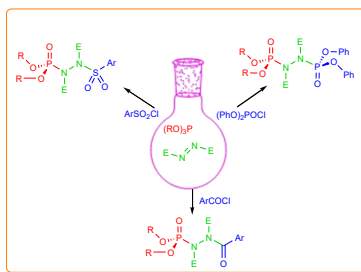
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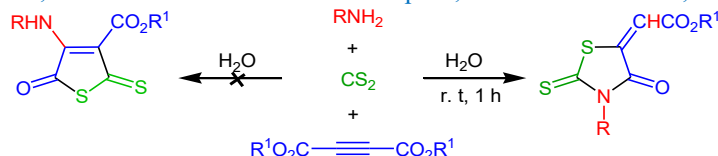
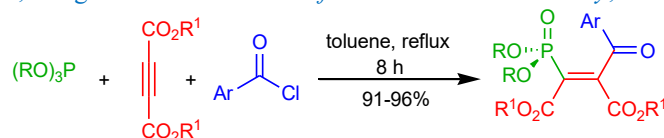
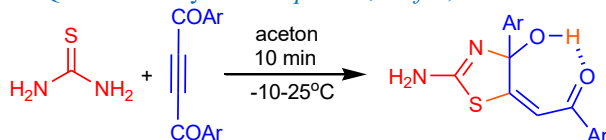


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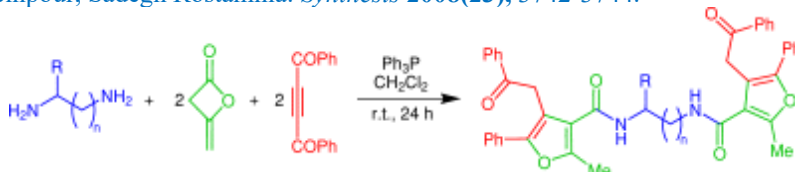
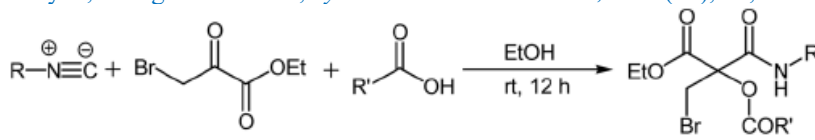
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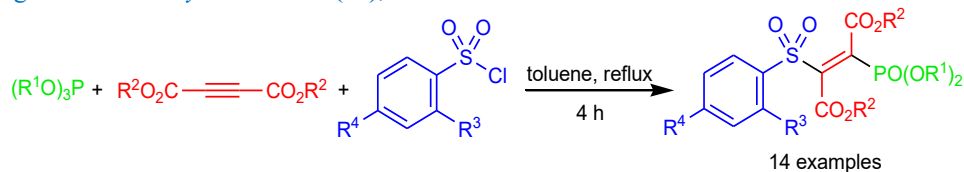
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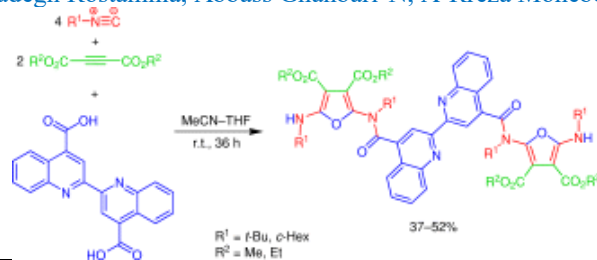
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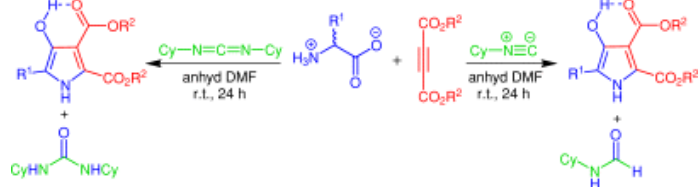
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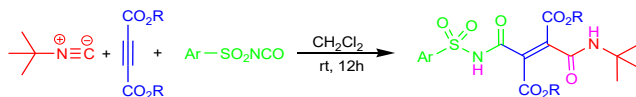
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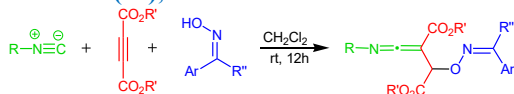
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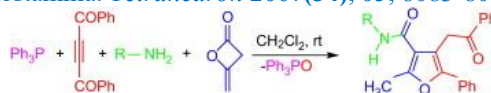
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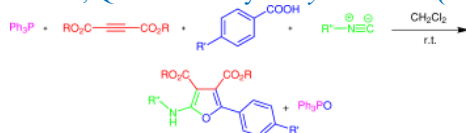
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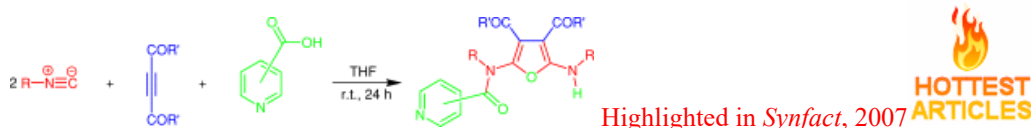
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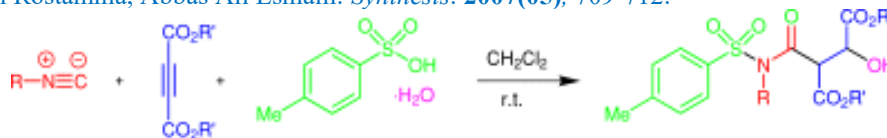
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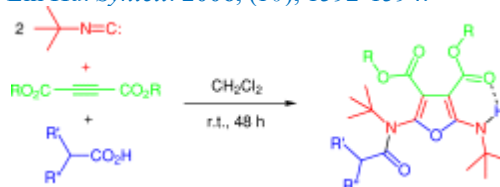
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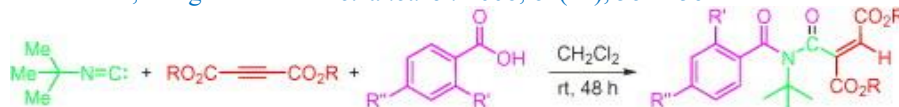
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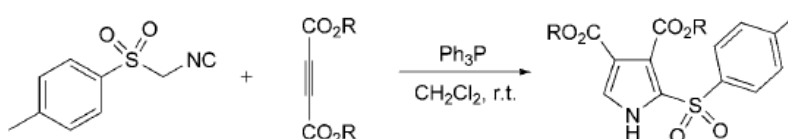
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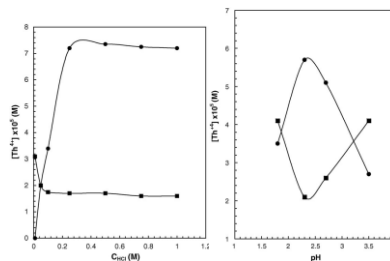
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