

مشخصات فردی

نام خانوادگی : رستم نیا	نام : صادق
واحد سازمانی : دانشیار	شروع به خدمت :
تلفن داخلی : ۱۰۸	گروه آموزشی : شیمی
موبایل :	فاکس :
دکترای : کارشناسی ارشد	رشته تحصیلی: شیمی آلی
تاریخ برورسانی : بیست و نهم فروردین ۱۳۹۶	تاریخ ایجاد : یازدهم آذر ۱۳۹۳
تاریخ تولد :	
درجه / رتبه : دکترا	
تلفن مستقیم : ۰۴۱۳۷۲۷۸۹۰۰	
ایمیل : srostammia@gmail.com	
محل تحصیل : دانشگاه تربیت مدرس	



Google Scholar Link : <http://scholar.google.com/citations?user=Vj1e8I8AAAAAJ&hl=en>

بیوگرافی

Sadegh Rostammia Associate Professor of Organic and Nanochemistry Organic and Nano Group (ONG), Department of Chemistry, Faculty of Science, University of Maragheh, P.O. Box. 55181-83111, Maragheh, Iran. 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

توضیحات

Academic and professional career

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

Main research interests

Periodic mesoporous organosilicas (PMOs) and metal oxide mesoporous design and chemical modification of surfaces (M@meso: M= Pd, Au, Co, Mn, Mo, Cu...)
Metal-Organic Frameworks (MOFs) as organic reaction inductor
Hybrid Magnetic Biopolymeric Nanocomposites
Green Chemistry: Catalytic oxidation/reduction and cross-coupling organic transformations process
Carbon-based nanocomposites: Exfoliation of graphene oxides (GO &rGO) and metal@C

- انتخاب طرح روی جلد مجله از پروژه های گروه تحقیقاتی ONG (انتشارات 2017, 3, 1-6) *Wiley Appl. Organometal. Chem.*
- رونمایی از واکنش آواکس-یاوری-نایر (Oakes-Yavari-Nair (OYN) به افتخار دکتر عیسی یاوری و با حضور ایشان در دانشگاه- *RSC Adv.*, 2015, 5, 97044
- یازدهمین جشنواره نانوفناوری کشور-جزو صد محقق برجسته نانوفناوری در سال 1395-رتبه 31 شیمی و 56 کل
- انتخاب طرح روی جلد مجله از پروژه های گروه تحقیقاتی ONG (انتشارات 2016, 471, 112-117) *J. Colloid Interface Sci.* (Science Direct)
- پژوهشگر برتر استان آذربایجان شرقی 1395
- سخنران برتر دومین کنفرانس زنولیت ایران- دانشگاه علم و صنعت 1394
- پژوهشگر برتر دانشگاه مراغه 1394
- استادیار جوان و جایزه اعتبار پژوهشی زنده یاد دکتر کاظمی آشتیانی-1393-معاونت علمی ریاست جمهوری
- دهمین جشنواره نانوفناوری کشور-جزو صد محقق برجسته نانوفناوری در سال 1394
- مقاله 2017/01/20 Most Accessed (انتشارات 2015, 29, 471) *Wiley Appl. Organometal. Chem.*
- مقاله 2015, 26, 1345 Highlighted in *Synfact*, 2015 (انتشارات Thieme) *Synlett.*
- کسب عنوان نویسنده مقاله پر استناد پایگاه انجمن شیمی سلطنتی انگلستان Top 10% highly cited- انتشارات (RSC) *RSC Adv.*, 2014, 4, 28238
- مقاله خانم پورحسن بهترین مقاله 2015 شد(Science Direct) *Chinese Chemical Letters*, 24, 2013, 401
- نهمین جشنواره نانوفناوری کشور-جزو صد محقق برجسته نانوفناوری در سال 1393
- مقاله آقای لامعی جزو 5% مقالات سال 2013 شد(Science Direct) *Chinese Chemical Letters*, 23, 2012, 930
- Most Cited-Thomson Reuters©Web of Science (انتشارات 2013, 27, 348) *Wiley Appl. Organometal. Chem.*
- مقاله 2015, 153, 1-6 Highlighted in *Synfact*, 2015 (انتشارات Thieme) *J. Fluorine Chem.*
- مقاله 2015, 54, 3344 Highlighted in *Synfact*, 2015 (انتشارات Thieme) *Tetrahedron Lett.*
- مقاله 2015, 53, 5257- و (انتشارات Thieme) *Tetrahedron Lett.*, 2012, 53, 5257- (Science Direct) most cited since 2012
- مقاله 2012, 144 (2012) 69 *J. Fluorine Chem.* (Science Direct) Most cited articles published since 2012



سوابق تحصیلی

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

۱۳۹۵ فرصت مطالعاتی علوم مواد معماری نانومواد پیشرفته و کاربردهای فتوالکتروکاتالیستی با دعوت پروفسور یوسوکه یاماچی موسسه ملی علوم مواد زاین (NIMS) - تسوکوبا-زاین

2011

Short Stay, Nanochemistry (metal-organic frameworks-MOFs with Prof. Ali Morsali), Tarbiat Modares University, Tehran, Iran

۱۳۹۰ دوره کوتاه مدت نانوشیمی چارچوب های فلز-آلی MOFs با دعوت پروفسور علی مرسلی دانشگاه تربیت مدرس - تهران-ایران

2009

Visiting Scholar, Nanochemistry (hybrid mesoporous material with Prof. Qihua Yang), Dalian Institute Chemical Physics (DICP- CAS), Dalian, China

۱۳۸۹ فرصت مطالعاتی نانوشیمی طراحی و ساخت مزوپور کروک توخالی با خواص احیا انوماتیک با دعوت پروفسور چیهوا یانگ موسسه شیمی فیزیک دالیان (DICP) - دالیان-چین

2010

Ph.D., Organic Chemistry (multicomponent reactions- MCRs with Prof. Abdolali Alizadeh), Tarbiat Modares University, Tehran, Iran

۱۳۸۹ دکترای شیمی آلی واکنش های چند جزئی ایزوسیانید با سیستم دونوکلتوفیلی راهنما پروفسور عبدالعلی علیزاده دانشگاه تربیت مدرس - تهران-ایران

2006

M.Sc., Organic Chemistry (multicomponent reactions- MCRs with Prof. Abdolali Alizadeh), Tarbiat Modares University, Tehran, Iran

۱۳۸۵ کارشناسی ارشد شیمی آلی کاربرد اسیدهای آلی در واکنش های چند جزئی ایزوسیانید راهنما پروفسور عبدالعلی علیزاده دانشگاه تربیت مدرس - تهران-ایران

2004

B.Sc., Pure Chemistry (liquid-liquid extraction of Eu^{+3} with Prof. M. Reza Yafian), Zanjan University, Zanjan, Iran

۱۳۸۲ کارشناسی شیمی محض دانشگاه زنجان - زنجان-ایران

اختراعات

افزایش خواص جذبی سطحی نانو جانب مزومتخلخل سیلیکاتی حاوی گروه های نیولی در حنف فلز مس به عنوان آلاینده آب شماره ثبت اختراع: ۸۶۸۴۸

طبقه بندی بین المللی: C08B;B82B;B82Y

حنف نیترات از محلول های آبی با استفاده از چارچوب های فلز-آلی نانومتخلخل شماره ثبت اختراع: 88889 به تاریخ 17/03/1395 - تایید سازمان ثبت اسناد و املاک کشور طبقه بندی بین المللی: C07H 11/02

کارگاه ها

علایق

طرح درس

زمینه های پژوهشی

- Periodic mesoporous organosilicas (PMOs) and metal oxide mesoporous design and chemical modification of surfaces (M@meso: M= Pd, Au, Co, Mn, Mo, Cu...)
- Metal-Organic Frameworks (MOFs) as organic reaction inductor
- Hybrid Magnetic Biopolymeric Nanocomposites
- Green Chemistry: Catalytic oxidation/reduction and cross-coupling organic transformations process
- Carbon-based nanocomposites: Exfoliation of graphene oxides (GO &rGO) and metal@C

- مزوریوس های هیبریدی و مزومتخلخل های اورگاتوسیلیکاتی و اصلاح شیمیایی آنها (M@meso: M= Pd, Au, Co, Mn, Mo,) (Cu...)
- کاربرد کاتالیستی چارچوب های فلز-آلی و پلیمرهای کنوردینانسینی
- نانومغناطیس های کامپوزیتی بیوپلیمری
- شیمی سبز: اکسایش / احیا فرایندهای اورگانیکی
- نانوکامپوزیت های کرین-مینا [(GO &rGO) and metal@C]

همکاری با تحریریه مجلات علمی

عضو سردبیری مجله Advances Chemistry

داور

Green Chemistry

RSC Advances

Journal of Molecular Catalysis A: Chemical

Industrial & Engineering Chemistry Research

Synthetic Communications

Chemical Engineering Journal

Catalysis Letters

Current Organic Chemistry

Journal of Nanostructure in Chemistry

Synthesis and Reactivity in Inorganic, Metal-Organic, and Nano-Metal Chemistry

Microporous & Mesoporous Materials

Research on Chemical Intermediates

Journal of Organometallic Chemistry

SciTechnol

Letters of Organic Chemistry

New Journal of Chemistry

Organic & Biomolecular Chemistry

Phosphorus, Sulfur, and Silicon and the Related Elements

Journal of Chemical Engineering and Materials Science

Chinese Chemical Letters

ChemComm

Chinese Journal of Chemistry

(Nanochemistry Research (NCR

Comptes Rendus Chimie

Journal of Molecular Liquids

Journal of Colloid and Interface Science

Journal of Industrial and Engineering Chemistry

Catalysis Communications

ChemCatChem

Applied Organometallic Chemistry

Synlett

Applied Catalysis A: General

Advanced Synthesis & Catalysis

پروژه های تحقیقاتی خارج از دانشگاه

تهیه و شناسایی نانومواد متخلخل گوگردار و کاربرد آن به عنوان نانوراکتور در تثبیت پالادیوم جهت فعال کردن پیوند کرین- هالوزن در تبدیلات شیمیایی

صندوق حمایت از پژوهشگران و فناوران کشور

پروژه های تحقیقاتی

مجری	صندوق حمایت از پژوهشگران و فناوریان کشور	تولید حدواسطه-های صنعتی به روش سبز با سیستم کاتالیزور جدید پایه گرافن اکسید حاوی نانوذرات پالادیوم تثبیت شده	تیر ۹۴ تا فروردین ۹۵ همکار: اسماعیل دوستخواه و رسول بلغار
مجری	صندوق حمایت از پژوهشگران و فناوریان کشور	تهیه و شناسایی نانومواد متخلخل گوگردار و کاربرد آن به عنوان نانوراکتور در تثبیت پالادیوم جهت فعال کردن پیوند کربن-هالوژن در تبدیلات شیمیایی	مرداد ۱۳۹۱ تا بهمن ۹۳ همکار: کامران لامعی
همکار اصلی	صندوق حمایت از پژوهشگران و فناوریان کشور	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	آذر ۱۳۹۲ تا آبان ۹۴ امیر رضا عباسی (مجری) آزاده آزادبخت و صادق رستم نیا
مجری	دانشگاه مراغه	سنتر و شناسایی نانوحفرت چارچوب های فلز-آلی Cu-BTC و کاربرد آن به عنوان کاتالیست در تولید مواد سولفوردار	۹۳-۹۴
مجری	دانشگاه مراغه	روش آسان و سریع تولید نانومغناطیس ها (نانو آهنریا) و کاربرد آن در شیمی	۱۳۹۴-۱۳۹۴
همکار اصلی	جهاد دانشگاهی تربیت مدرس	شبه سازی جذب فلزات سنگین توسط نانولوله های کربنی تک دیواره و ارزیابی مدل ریاضی	۱۳۸۹ بیژن سلیمانی (مجری)

عضویت در کمیته ها و شوراهای

عضو شورای دانشگاه
عضو شورای آموزشی دانشگاه
دبیر شورای پژوهشی دانشگاه
عضو کمیته نانو فناوری دانشگاه
عضو کمیته انرژی های تجدید پذیر دانشگاه

عضویت در مجامع علمی و انجمن ها

عضو انجمن شیمی ایران

تشویق ها

عضو بنیاد ملی نخبگان (نخبه جوان کشوری)
جزو 100 متخصص برتر نانو کشور در سال 1395
جایزه بهترین مقاله 2015 از انتشارات Elsevier در مجله CCL
جزو 100 متخصص برتر نانو کشور در سال 1394
جایزه اعتبار پژوهشی زنده یاد دکتر کاظمی آشتیانی ویژه استادیار جوان- 1393- معاونت علمی ریاست جمهوری
نویسنده پر استناد شیمی در انتشارات انجمن سلطنتی شیمی انگلستان RSC 2016
مقاله پر استناد انتشارات Elsevier در سال 2013 CCL
پژوهشگر برتر دانشگاه مراغه 1394
سخنران برتر دومین کنفرانس زنولیت دانشگاه علم و صنعت ایران 1394
مقاله برتر نانوکامپوزیت 2015
مقاله برتر نانومغناطیس 2013
مقاله برتر نانومغناطیس 2012 آلمان
پژوهشگر برتر دانشکده علوم دانشگاه مراغه 1392
پژوهشگر برتر تربیت مدرس 1390
رساله برتر دکتری تربیت مدرس سال 1390
مقاله برتر هتروسیکل 2008 آلمان
سخنران برتر 14 سمینار شیمی آلی ایران 2008
مقاله برتر هتروسیکل 2007 آلمان
پژوهشگر برتر تربیت مدرس 1386
پایان نامه برتر دانشگاه تربیت مدرس 1386
نفر اول دوره کارشناسی ارشد 1385

پست های اجرایی

مدیر پژوهش و فناوری

سوابق تدریسی

نانو شیمی:
روشهای سنتز مواد نانو ساختار
شیمی سوپر مولکول

شیمی آلی:
شیمی آلی پیشرفته
NMR پیشرفته
شیمی فیزیک آلی پیشرفته

شیمی:
کاربرد طیف سنجی در شیمی آلی
شیمی فیزیک آلی
شیمی آلی III
شیمی آلی I

مقالات ارائه شده

Design of chitosan-dithiocarbamate magnetically separable catalytic nanocomposites for greener aqueous oxidations at (87) room temperature

Sadegh Rostammia, Esmail Doustkhah, Behnam Gholipour, Behzad Zeynizadeh, Ali Baghban, Rafael Luque. *Green Chemistry*, **2016**, revised

Synthesis and catalytic study of open metal site metal-organic frameworks $\text{Cu}_3(\text{BTC})_2$ microbelts [Cu(BTC)-MBs] in (86) selective organic sulfide oxidation

Sadegh Rostammia, Hassan Alamgholiloo, Maryam Jafari, Rezan Rookhosh, Amir Reza Abbasi, *Appl. Organometal. Chem.* **2016**, accepted

Sulfonic-based precursors (SAP) for silica mesostructures: Advances in synthesis and applications (85 (

.Sadegh Rostammia, Esmail Doustkhah, *Nanochemistry Research (NCR)*, **2016**, 1, 19-32

Covalently bonded sulfonic acid magnetic graphene oxide: $\text{Fe}_3\text{O}_4@\text{GO-Pr-SO}_3\text{H}$ as a powerful hybrid catalyst for (84) synthesis of indazolophthalazinetriones

.Esmail Doustkhah, Sadegh Rostammia. *Journal of Colloid and Interface Science*, **2016**, revised

$\text{Fe}_3\text{O}_4@\text{Carbon}@$ Cysteine-Au Nanorods (FCC-Au NRs): A novel, gold nanorods loaded, magnetically recoverable (83) nanocatalyst for the ultrafast reduction of 4-nitroarenes

.Kanran Lamei, Hossein Eshghi, Mehdi Bakavoli, Sadegh Rostammia, *Chemosphere*, **2016**, revised

Refinement of contaminated water by Cr(VI), As(V) and Hg(II) using N-donor ligands arranged on SBA-15 platform; (82) batch and fixed-bed column methods

Maryam Hami Dindar, M. Reza Yaftian, Milad Hajjhasani, Sadegh Rostammia, *Journal of the Taiwan Institute of Chemical Engineers*, **2016**, revised

Covalently bonded zwitterionic sulfamic acid onto the SBA-15 ($\text{SBA-15/PrEn-NHSO}_3\text{H}$) reveals good Bronsted acidity (81) behavior and catalytic activity in *N*-formylation of amines

Sadegh Rostammia Esmail Doustkhah, *Journal of Molecular Catalysis A: Chemical*, **411**, **2016**, 317-324

Pd-grafted open metal site copper-benzene-1, 4-dicarboxylate metal organic frameworks (Cu-BDC MOF's) as (80) promising interfacial catalysts for sustainable Suzuki coupling

Sadegh Rostammia, Hassan Alamgholiloo, Xiao Liu. *Journal of Colloid and Interface Science*, **469**, **2016**, 310-317

Efficient tandem aqueous room temperature oxidative amidations catalysed by supported Pd nanoparticles on graphene (79) oxide

Sadegh Rostammia, Esmail Doustkhah, Habib Golchin-Hosseini, Behzad Zeynizadeh, Hongchuan Xin, Rafael Luque. *Catal. Sci. Technol.*, **2016**, DOI: 10.1039/C5CY01596K

Seaweed-derived k-carrageenan: Modified j-carrageenan as a recyclable green catalyst in the multicomponent (78) synthesis of aminophosphonates and polyhydroquinolines

Sadegh Rostammia, Esmail Doustkhah, Ali Baghban, Behzad Zeynizadeh. *J. Appl. Polym. Sci.* **2016**, 133, DOI: 10.1002/APP.43190

Single site supported N-sulfonic acid and N-sulfamate onto SBA-15 for green and sustainable oxidation of sulfides (77)

.Esmail Doustkhah, Sadegh Rostammia, *material chemistry and physics*. **2016**, accepted

Cationic modification of SBA-15 pore walls for Pd supporting: $\text{Pd}@$ SBA-15/ IL-DABCO as a catalyst for Suzuki (76) coupling in water medium

.Sadegh Rostammia, Esmail Doustkhah, Behzad Zeynizadeh, *Microporous and Mesoporous Materials*, **222**, **2016**, 87-93

Removal of uranium(VI) ions from aqueous solutions using Schiff base functionalized SBA-15 mesoporous silica (75) materials

Leila Dolatyari, Mohammad Reza Yafian, Sadegh Rostammia. *Journal of Environmental Management*, 169, 2016, 8-17

Supported palladium ions inside periodic mesoporous organosilica with ionic liquid framework (Pd@IL-PMO) as an (74) efficient green catalyst for S-arylation coupling

Sadegh Rostammia, Esmail Doustkhah, Rasul Bulgar, Behzad Zeynizadeh, *Microporous and Mesoporous Materials*, 225, 1 2016, 272-279

Exfoliation effect of PEG-type surfactant on Pd supported GO (SE-Pd(nanoparticle)/GO) in cascade synthesis of amides; (73) a comparison with Pd(nanoparticle)/rGO

Sadegh Rostammia, Esmail Doustkhah, Behzad Zeynizadeh. *Journal of Molecular Catalysis A: Chemical*, 2016, 416, 88-95

(Silica supported Co₃O₄ nanoparticles as a recyclable catalyst for rapid degradation of azodye (ISC (72)

Ali Baghban, Esmail Doustkhah, Sadegh Rostammia, Khadijeh Ojaghi Aghbash, *Bulletin of Chemical Reaction Engineering & Catalysis*, 2016, In press

Layer by layer growth of silver chloride nanoparticle within the pore channels of SBA-15/SO₃H mesoporous silica (71) (AgCl_{Np}/SBA-15/SO₃K): Synthesis, characterization and antibacterial properties

Sadegh Rostammia, Esmail Doustkhah, Saba Estakhri, Ziba Karimi. *Physica E: Low-dimensional Systems and Nanostructures*, 2016, 76, 146-150

Controlled uptake and release of imatinib from ultrasound nanoparticles Cu₃(BTC)₂ metal-organic framework in (70) comparison with bulk structure

Amir Reza Abbasi, Maryam Rizvandi, Azadeh Azadbakht, Sadegh Rostammia, *Journal of Colloid and Interface Science*, 2016, 471, 112-117

The raise of SBA-SO₃H catalytic activity by inducing ultrasound irradiation in the multicomponent syntheses (69)

Esmail Doustkhah, Sadegh Rostammia, Asadollah Hassankhani *J Porous Mater*, 2016, 23, 549-556

Adsorption characteristics of Eu(III) and Th(IV) ions onto modified mesoporous silica SBA-15 materials (68)

Leila Dolatyari, Mohammad Reza Yafian, Sadegh Rostammia *Journal of the Taiwan Institute of Chemical Engineers*, 60, 2016, 174-184

Metal- and halogen-free hydrogensulfate ionic liquid/SBA-15 as catalyst in clean oxidation of aromatic and aliphatic (67) organic sulfides with aqueous hydrogen peroxide

Sadegh Rostammia, Behnam Gholipour, Habib Golchin Hosseini, *Process Safety and Environmental Protection*, 100, 2016, 74-79

2015

In situ generation and protonation of the isocyanide/acetylene adduct: a powerful catalyst-free strategy for (66) multicomponent synthesis of ketenimines, aza-dienes, and heterocycles

Sadegh Rostammia, *RSC Adv.*, 2015, 5, 97044-97065

The use of κ-carrageenan/Fe₃O₄ nanocomposite as a nanomagnetic catalyst for clean synthesis of rhodanines (65)

Sadegh Rostammia, Behzad Zeynizadeh, Esmail Doustkhah, Ali Baghban, Khadijeh Ojaghi Aghbash. *Catalysis Communications*, 2015, 68, 77-83

Homoleptic chelating N-heterocyclic carbene complexes of palladium immobilized within the pores of SBA-15/IL (64) (NHC-Pd@SBA-15/IL) as heterogeneous catalyst for Hiyama reaction

Sadegh Rostammia, Habib Golchin Hossieni, Esmail Doustkhah. *Journal of Organometallic Chemistry*, 791, 15 2015, 18-23

Synthesis of water-dispersed magnetic nanoparticles (H₂O-DMNPs) of β-cyclodextrin modified Fe₃O₄ and its catalytic (63) application in Kabachnik-Fields multicomponent reaction

Sadegh Rostammia, Esmail Doustkhah, *Journal of Magnetism and Magnetic Materials*, 386, 2015, 111-116

Ordered mesoporous SBA-15/PrSO₃Pd and SBA-15/PrSO₃Pd_{NP} as active, reusable and selective phosphine-free (62) catalysts in C–X activation Heck coupling process

.Sadegh Rostannia, Turaj Rahmani *Appl. Organometal. Chem.* **2015**, 29, 471–474

Exfoliated Pd decorated graphene oxide nanosheets (Pd_{NP}–GO/P123): Non-toxic, ligandless and recyclable in greener (61) Hiyama cross-coupling reaction

Sadegh Rostannia, Behzad Zeinizadeh, Esmail Doustkhah, Habib Golchin Hosseini *Chem. Journal of Colloid and Interface Science.*, **2015**, 451, 46–52

Increased SBA-15-SO₃H catalytic activity through hydrophilic/hydrophobic fluoroalkyl-chained alcohols (R_FOH/SBA- (60) (15-Pr-SO₃H

.Sadegh Rostannia, Esmail Doustkhah, *Synlett.* **2015**, 26, 1345–1347

Potential of functionalized SBA-15 mesoporous materials for decontamination of water solutions from Cr(VI), As(V) (59) and Hg(II) ions

Maryam Hami Dindar, Mohammad Reza Yafthian, Sadegh Rostannia, *Journal of Environmental Chemical Engineering*, 3, Issue 2, **2015**, 986–995

Preparation and catalytically study of metal–organic frameworks of amine/MIL-53 (Al) as a powerful option in the rapid (58) N-formylation condensation in neat conditions

.Sadegh Rostannia, Ziba Karimi, *Inorganica Chimica Acta.*, **2015**, 428, 133–137

Surfactant-Exfoliated Highly Dispersive Pd-Supported Graphene Oxide Nanocomposite as a Catalyst for Aerobic (57) Aqueous Oxidations of Alcohols

.Sadegh Rostannia, Esmail Doustkhah, Ziba Karimi, Soraya Amini, Rafael Luque. *Chem. Cat. Chem.*, **2015**, 7, 1678–1683

Efficient and selective copper-grafted nanoporous silica in aqueous conversion of aldehydes to amides (56)

Sadegh Rostannia, Nasrin Nouruzi, Hongchuan Xin, Rafael Luque. *Catal. Sci. Technol.*, **2015**, 5, 199–205

Pd(PrSO₃)₂@SBA-15 and Pd-_{NP}s(PrSO₃)@SBA-15 hybrid materials: A highly active, reusable, and selective (55) interface catalyst for C–X activations in air and water

Sadegh Rostannia, Hongchuan Xin, Turaj Rahmani *Journal of Industrial and Engineering Chemistry*, 32, 25 **2015**, 218–224

Application of the β-cyclodextrin supramolecules as a green accelerator hosts in one-step preparation of highly (54) functionalized rhodanine scaffolds

.Sadegh Rostannia, Esmail Doustkhah, Asadollah Hassankhani, *Supramolecular Chemistry*, **2015**, 27, 1–3

SBA-15 mesoporous materials decorated with organic ligands: use as adsorbents for heavy metal ions (53)

M. Hami Dindar, M. R. Yafthian, M. Pilehvari, S. Rostannia, *J. Iran. Chem. Soc.*, **2015**, 12, 561–572

An increase in the cooperative catalytic performance of SBA-15 and TFE in selective oxidation of organic sulfides (52)

Sadegh Rostannia, Esmail Doustkhah, Kiumars Bahrami, Soraya Amini. *Journal of Molecular Liquids*, 207, **2015**, 334–337

2014

Generation uniform and small particle size of palladium onto the SH-decorated SBA-15 pore-walls: SBA-15/(SH)_xPd- (51) NP_Y as a recoverable nanocatalyst for Suzuki-Miyaura coupling reaction in air and water

Sadegh Rostannia, Kanran Lamei, Fatemeh Pourhassan, *RSC Adv.*, **2014**, 4, 59626–59631

Bronsted acidic hydrogen sulfate ionic liquid immobilized SBA-15: [MPlm][HSO₄]@SBA-15 as an environmentally (50) friendly, metal- and halogen-free recyclable catalyst for Knoevenagel–Michael-cyclization processes

Sadegh Rostannia, Asadollah Hassankhani, Habib Golchin Hossieni, Behnam Gholipour, Hongchuan Xin, *Journal of Molecular Catalysis A: Chemical*, **2014**, 395, 463–469

Ordered interface mesoporous immobilize Pd pre-catalyst: En/Pd complexes embedded inside the SBA-15 as an active, (49)
reusable and selective phosphine-free hybrid catalyst for the water medium Heck coupling process

.Sadegh Rostammnia, Xiao Liu, Dan Zheng, *Journal of Colloid and Interface Science*, **2014**, 432, 86–91

Application of biodegradable supramolecular polymer-supported catalyst for multicomponent synthesis of α - (48)
aminophosphonates Kabachnik–Fields reaction

.Sadegh Rostammnia, Asadollah Hassankhani, *Supramolecular Chemistry*, **2014**, 26, 736-739

Covalently bonded IL-type sulfamic acid onto the SBA-15: SBA-15/NHSO₃H as a highly active, reusable and selective (47)
green catalyst for solvent-free synthesis of Polyhydroquinolines and Dihydropyridines

.Sadegh Rostammnia, Asadollah Hassankhani, *Synlett.*, **2014**, 25, 2753

A mesoporous silica/fluorinated alcohol adduct: An efficient metal-free, three-component synthesis of (46)
(indazolophthalazintrione heterocycles using a reusable nanoporous/trifluoroethanol adduct (SBA-15/TFE

.Sadegh Rostammnia, Esmail Doustkhah, *Tetrahedron Lett.* **2014**, 55, 2508–2512

Nanoporous silica-supported organocatalyst: a heterogeneous and green hybrid catalyst for organic transformations (45)

Sadegh Rostammnia, Esmail Doustkhah, *RSC Adv.*, **2014**, 4, 28238-28248

Top 10% highly cited RSC journals

Basic isorecticular metal-organic framework (IRMOF-3) porous nanomaterial as a suitable and green catalyst for (44)
selective unsymmetrical Hantzsch coupling reaction

.Sadegh Rostammnia, Hongchuan Xin, *Appl. Organometal. Chem.* **2014**, 28, 359–363

Synthesis and application of the uniform particle size of nano- γ -Fe₂O₃: Dispersed nanoparticles of γ -Fe₂O₃ for green (43)
synthesis of aminophosphonates

.Sadegh Rostammnia, Mojtaba Amini, *Journal of Nanoparticle Research*, **2014**, 16:2405 (1-5

Simultaneously application of ultrasonic irradiation and immobilized ionic liquid onto the SBA-15 nanoreactor (42)
(US/[MPIm]Cl@SBA-15): A robust, recyclable and useful combined catalytic system for selective and waste-free
Kabachnik–Fields reaction

.Sadegh Rostammnia, Hongchuan Xin, *Journal of Molecular Liquids* **2014**, 195, 30-34

Basic isorecticular nanoporous metal-organic framework for Biginelli and Hantzsch coupling: IRMOF-3 as a green and (41)
recoverable heterogeneous catalyst in solvent-free conditions

.Sadegh Rostammnia, Ali Morsali, *RSC Adv.*, **2014**, 4, 10514-10518

Ultrasonic and Lewis acid ionic liquid catalytic system for Kabachnik–Fields reaction (40)

.Sadegh Rostammnia, Mojtaba Amini, *Chemical Papers*, **2014**, 68, 834-837

Size-controlled crystalline basic nanoporous coordination polymers of Zn₄O(H₂N-TA)₃: Catalytically study of IRMOF- (39)
3 as a suitable and green nanoreactor for selective synthesis of tetrahydro-chromenes

.Sadegh Rostammnia, Ali Morsali, *Inorganica Chimica Acta*, **2014**, 411, 113-118

2013

RuCl₃-Catalyzed Solvent-Free Ugi-Type Groebke-Blackburn Synthesis of Aminoimidazole Heterocycles (38)

.Sadegh Rostammnia, Asadollah Hassankhani, *RSC Advanced*, **2013**, 3, 18626-18629

Pd(OAc)₂@SBA-15/PrEn nanoreactor: a highly active, reusable and selective phosphine-free catalyst for Suzuki- (37)
Miyaura cross-coupling reaction in aqueous media

.Sadegh Rostammnia, Hongchuan Xin, *Appl. Organometal. Chem.* **2013**, 27, 348–352

Hexafluoroisopropanol dispersed into the nanoporous of SBA-15 (HFIP/SBA-15) as a fast rapid, metal-free, highly (36)
reusable and suitable combined catalyst for domino cyclization process in chemoselective preparation of alkyl rhodanines

.Sadegh Rostammnia, Esmail Doustkhah, Ayat Nuri, *J. Fluorine Chem* **2013**, 153, 1-6

Highlighted in *Synfact*, 2015

Metal-organic frameworks as a very suitable reaction inductor for selective solvent-free multicomponent reaction: (35)
IRMOF-3 as a heterogeneous nanocatalyst for Kabachnik-Fields three-component reaction

Sadegh Rostammia, Hongchuan Xin, Nasrin Nouruzi. *Microporous and Mesoporous Materials.*, **2013**, 179, 99-103

Efficient imidazolium salts for palladium-catalyzed Mizoroki-Heck and Suzuki-Miyaura cross-coupling reactions (34)

.Mojtaba Amini, Mojtaba Bagherzadeh, Sadegh Rostammia, *Chinese Chemical Letters*, **2013**, 24, 433-436

Water dispersed magnetic nanoparticles (H_2O -DMNPs) of γ - Fe_2O_3 for multicomponent coupling reactions: a green, (33)
single-pot technique for the synthesis of tetrahydro-4H-chromenes and hexahydroquinoline carboxylates

Sadegh Rostammia, Ayat Nuri, Hongchuan Xin, Ali Pourjavadi, S. Hassan Hosseini, **2013**, *Tetrahedron Lett.* 54, 3344-3347

Highlighted in *Synfact*, 2015

Simultaneously application of SBA-15 sulfonic acid nanoreactor and ultrasonic irradiation as a very useful novel (32)
combined catalytic system: an ultra-fast, selective, reusable and waste-free green approach

.85-93, 2013 Sadegh Rostammia, Hongchuan Xin, Liu Xiao, Kamran Lamei, *J. Mol. Catal A: Chemical* **2013**, 374-375 □

SBA-15/ SO_3H nanoreactor as a highly efficient and reusable catalyst for diketene-based four-component synthesis of (31)
polyhydroquinolines and dihydropyridines in neat conditions

.Sadegh Rostammia, Fatemeh Pourhassan, *Chinese Chemical Letters*, **2013**, 24, 401-403

EtOAc-dispersed magnetic nanoparticles (DMNPs) of γ - Fe_2O_3 in single-pot domino preparation of 5-oxo-2-thioxo-3- (30)
thiophenecarboxylate derivatives

.Sadegh Rostammia. *C.R. Chemie.* **2013**, 16, 1042-1046

2012

Nanomagnetically modified sulfuric acid (γ - $Fe_2O_3@SiO_2$ - OSO_3H): An efficient, fast and reusable green catalyst for (29)
Ugi-like Groebke-Blackburn-Bienaymé 3-CR in solvent-free condition

Sadegh Rostammia, Kamran Lamei, Mohsen Mohammadgholi, Mehdi Sheykhani, Akbar Heydari, *Tetrahedron Lett.*, **2012**, 53, 5257-5260

Highlighted in *Synfact*, 2015

SBA-15/TFE (SBA-15/2,2,2-trifluoroethanol) as suitable and efficient metal-free catalyst for preparation of the tri- and (28)
.tetra-substituted imidazoles via one-pot multicomponent method

.Sadegh Rostammia, Ali Zabardasti, *J. Fluorine Chem.* **2012**, 144 (2012) 69-72/144 (2012) 69-72

Cetyltrimethylammonium bromide-surfactant aqueous micelles as a green and ultra-rapid reactor for synthesis of 5- (27)
oxo-2-thioxo-2,5-dihydro-3-thiophenecarboxylate derivatives

.Sadegh Rostammia, Ziba Karimi, Mehdi Ghavidel. *Journal of Sulfur Chemistry*, **2012**, 33, 313-318

Diketene-based neat four-component synthesis of the dihydropyrimidinones and dihydropyridine backbones using (26)
(silica sulfuric acid (SSA)

Sadegh Rostammia, Kamran Lamei, *Chinese Chemical Letters (CCL)*, **2012**, 23 930-932

Highlighted in *CCL*, 2013

2011

A Rapid, Catalyst-Free, Three-Component Synthesis of Rhodanines in Water Using Ultrasound (25)

.Sadegh Rostammia, Kamran Lamei. *Synthesis*, **2011**, 3080-3082

(Eco-Friendly supported Nanoparticles as a Green Approach. (Mini Review Green Cluster Paper (24)

.Sadegh Rostammia. *Res J Chem Environ.* **2011**, 15, 89-91

2010

Mathematical modeling for the simulation of heavy metal ions adsorption by single wall carbon nanotubes (SWCNTs) (23)
.based on computational calculation

.Bijan Solymani, Sadegh Rostammia, Ali Ahmadi. *Digest Journal of Nanomaterials and Biostructures*, **2010**, 5, 153-159

A novel pseudo-seven-component diastereoselective synthesis of k5-phosphanylidene bis(2,5-dioxotetrahydro-1H-pyrrole-3-carboxylates) via binucleophilic systems (22)

.Abdolali Alizadeh, Sadegh Rostammia, and Long-Guan Zhu. *Tetrahedron letters*, **2010**, *51*, 4750-4754

Neat adduct of diketene/alcohols/aldehydes: Useful building blocks for 3,4-dihydropyrimidinones and 1,4-dihydropyridines via four-component Biginelli-type and Hantzsch-type condensations (21)

.Abdolali Alizadeh. Sadegh Rostammia, *Synthesis*, **2010**, 4057-4060

Hydrazinophosphonates and Hydrazinobis phosphonates: Novel Mitsunobu and Arbuzov-Type Multicomponent Application of the Morrison-Brunn-Huisgen Betaine (20)

.Abdolali Alizadeh, Sadegh Rostammia, *Synthesis*, **2010**, 1543-1549

2009

Simple and effective synthesis of Rhodanine derivatives via three-component reaction in water (19)

.Abdolali Alizadeh, Sadegh Rostammia, Nasrin Zohreh and Reza Hosseinpour, *Tetrahedron Letters*, **2009**, *50*, 1533-1535

A Novel Three-Component Route to Diastereoselective Synthesis of Trisubstituted Vinylphosphonates Using Phosphites, Acetylenic Esters, and Aroyl Chlorides (18)

.Sadegh Rostammia, Abdolali Alizadeh, Long-Guan Zhu. *J. Comb. Chem*, **2009**, *11*, 143-145

Facile and rapid synthesis of 4,5-dihydrothiazol-2-ylamine derivatives via reaction between thiourea, and diacylacetylenes (17)

.Abdolali Alizadeh, Sadegh Rostammia, and Qasem Oskueyan. *Phosphorus, Sulfur, and Silicon*. **2009**, *184*, 1-6

2008

Reaction Between 1,n-Diamines, Diketene and Dibenzoylacetylene in Presence of Ph₃P: No Catalytic Ring Opening of Diketene in One-Pot, Pseudo-Five-Component Synthesis of Bisfuramides (16)

.Abdolali Alizadeh, Reza Hosseinpour, Sadegh Rostammia. *Synthesis* **2008**, 3742-3744

Facile and Rapid Synthesis of Substituted α -Amidester Derivatives Based on the Three-Component Passerini (Reaction P-3CR) (15)

.Abdolali Alizadeh, Qasem Oskueyan, Sadegh Rostammia, *Synthetic Communications*, **2008**, *38*, 4337-4344

Efficient Diastereoselective Synthesis of Phosphonato Vinylsulfones via Multicomponent Method (14)

.Abdolali Alizadeh, Sadegh Rostammia. *Synthesis* **2008**, 3447-3452

Synthesis of Bis(aminofuryl)bicinchoninic Amide by a One-Pot Three-Component Reaction of Isocyanides, Acetylenic Esters, and Bicinchoninic Acid (13)

.Reza Mohebbi. *Synthesis*. **2008**, 2929-2932 Abdolali Alizadeh, Qasem Oskueyan, Sadegh Rostammia, Abbass Ghanbari-N, A

Unprecedented Synthesis of 4-Hydroxy-1H-pyrrole-2,3-dicarboxylic Acid Derivatives: Unusual Coupling of Acetylenic Esters and α -Amino Acids in Presence Cyclohexyl Isocyanide or DCC (12)

.Abdolali Alizadeh, Reza Hosseinpour, Sadegh Rostammia. *Synthesis* **2008**, 2462-2466

Highlighted in *Synfact*, 2008

Competition of the R₃P/DAAD and RNC/DAAD Zwitterions in Their Production and Reaction with Aromatic Carboxylic Acids: A Novel Binucleophilic System for Three-Component Synthesis of 2-Aminofurans (11)

.Abdolali Alizadeh, Sadegh Rostammia, Long-Guan Zhu. *Synthesis* **2008**, 1788-1792

Synthesis of ethylenetetracarboxylic acid derivatives (10)

.Abdolali Alizadeh, Sadegh Rostammia, Nasrin Zohreh, H-Reza Bijanzadeh. *Monatshefte für Chemie* **2008**, *139*, 49-52

Facile synthesis of highly functionalized stable ketenimines via a three-component reaction (9)

.Abdolali Alizadeh, Sadegh Rostammia. *Synthesis* **2008**, 57-60

2007

One-pot synthesis of functionalized furamide derivatives via three-component reaction between an amide, diketene and (8)
.dibenzoylacetylene in the presence of triphenylphosphine

.Abdolali Alizadeh, Nasrin Zohreh, Sadegh Rostammia. *Tetrahedron* **2007**, *63*, 8083-8087

.A novel synthesis of aminofurans using a four-component reaction (7)

.Abdolali Alizadeh, Sadegh Rostammia, Nasrin Zohreh, Qasem Oskueyan. *Synlett.* **2007**, 1610-1612

Synthesis of nicotinamide and isonicotinamide derivatives via multicomponent reaction of alkyl isocyanides and (6)
.acetylenic compounds in the presence of nicotinic or isonicotinic acid

.Abdolali Alizadeh, Qasem Oskueyan, Sadegh Rostammia. *Synthesis* **2007**, 2637-2640

Highlighted in *Synfact*, 2007

Synthesis of functionalized sulfonamides via multicomponent reaction of alkyl isocyanide and dialkyl (5)
.acetylenedicarboxylate with 4-methylbenzenesulfonic acid monohydrate

.Abdolali Alizadeh, Sadegh Rostammia, Abbas Ali Esmaili. *Synthesis.* **2007**, 709-712

2006

.A novel four-component reaction for the synthesis of 2, 5-diaminofuran derivatives (4)

.Abdolali Alizadeh, Sadegh Rostammia, Mao-Lin Hu. *Synlett.* **2006**, *10*, 1592-1594

Reaction between *tert*-butyl isocyanide, dialkyl acetylenedicarboxylates, and aromatic carboxylic acids: An efficient (3)
.method for the synthesis of dialkyl (*E*)-2-[[benzoyl(*tert*-butyl)amino]carbonyl]-2-butenedioate derivatives

.Abdolali Alizadeh, Sadegh Rostammia, Long-Guan Zhu *Tetrahedron* **2006**, *62*, 5641-5644

One-step synthesis of dialkyl 2-[(4-methylphenyl)sulfonyl]-1*H*-pyrrole-3,4- dicarboxylates by reaction of (2)
.acetylenedicarboxylates with 'Tosylmethyl Isocyanide' (TOSMIC) and triphenylphosphine

.Abdolali Alizadeh, Hassan Masrouri, Sadegh Rostammia, Farnaz Movahedi. *Helv. Chim. Act.* **2006**, *89*, 923-926

Thorium(IV) ion-selective transport through a bulk liquid membrane containing 2-thenoyltrifluoroacetone as (1)
.extractant-carrier

.Mohammad Reza Yafian, Abbas Ali Zamani, Sadegh Rostammia *Sep. and Pur. Technology* **2006**, *49*, 71-75

برنامه درسی ترم جاری

111

برنامه آموزشی

سایر

لینک در سایت : <https://agri.maragheh.ac.ir:443/?ID=16&BasesID=4&Type=6&operation=2>