رویا جهانشاهی

استادیار

دانشکده: دانشکده مهندسی معدن، عمران، شیمی

گروه: گروه مهندسی پلیمر

سوابق تحصیلی

مقطع تحصیلی	سال اخذ مدرک	رشته و گرایش تحصیلی	دانشگاه
کارشناسی	۱۳۸۸	شیمی محض	دانشگاه بیرجند
کارشناسی ارشد	۱۳۹۱	شیمی آلی	دانشگاه بیرجند
دکترای تخصصی	۱۳۹۶	شیمی آلی	دانشگاه فردوسی مشهد

اطلاعات استخدامی

محل خدمت	عنوان سمت	نوع استخدام	نوع همکاری	پایه
دانشگاه صنعتی بیرجند	عضو هیأت علمی	پیمانی	تمام وقت	

سوابق اجرایی

مسئول راه اندازی گروه مهندسی پلیمر دانشگاه صنعتی بیرجند از تاریخ ۱۴۰۳/۱۰/۲۶ تاکنون

مدیر مرکز هدایت شغلی و کاریابی تخصصی دانشگاه صنعتی بیرجند از تاریخ ۱۴۰۳/۰۶/۱۹ تاکنون

مدیر پژوهشی دانشگاه صنعتی بیرجند (مهر ۱۴۰۴ تاکنون)

استاد راهنمای دانشجویان رشته مهندسی پلیمر ورودی ۱۴۰۳ و ۱۴۰۴

زمینه های تدریس

شیمی عمومی

شیمی آلی

شیمی پلیمر

علم و مهندسی مواد

آزمایشگاه شیمی عمومی

آزمایشگاه شیمی آلی

عضویت در انجمن های علمی

عضو انجمن شیمی ایران

عضو بنیاد ملی نخبگان

مقالات در نشریات

1. Sara Sobhani , Alireza Pasban , Roya Jahanshahi , Jos Miguel Sansano,MOF modified with Cu-complex as a new and the first MOF-based heterogeneous catalyst for the one-pot one-step synthesis of -aminophosphonates by tandem oxidation process directly from alcohols,RSC Advances,2025.
2. Roya Jahanshahi , Hadis Hosseini Moghadam , Sara Sobhani , Jos Miguel Sansano,ZnCo 2 O 4@ gC 3 N 4@ Cu as a new and highly efficient heterogeneous photocatalyst for visible light-induced cyanation and Mizoroki–Heck cross-coupling reactions,RSC advances,2024.
3. Amirhosein Dashtbozorg et al.,Investigating the effect of MXene/ethanol nanofluid in thermosyphon cooling of hybrid photovoltaic/thermal (PV/T) panels,International Journal of Heat and Fluid Flow,2024.
4. Fatemeh Karimi et al.,Natural waste-derived nano photocatalysts for azo dye degradation,Environmental Research,2023.
5. Solar light induced photocatalytic degradation of tetracycline in the presence of ZnO/NiFe2O4/Co3O4 as a new and highly efficient magnetically separable photocatalyst,Frontiers in Chemistry,2022.
6. ZnCo2O4/g-C3N4/Cu nanocomposite as a new efficient and recyclable heterogeneous photocatalyst with enhanced photocatalytic activity towards the metronidazole degradation under the solar light irradiation,Environmental Science and Pollution Research,2022.
7. Sara SE Ghodsinia , Batool Akhlaghinia , Roya Jahanshahi,Co3O4 nanoparticles embedded in triple-shelled graphitic carbon nitride (Co3O4/TSCN): a new sustainable and high-performance hierarchical catalyst for the Pd/Cu-free Sonogashira–Hagihara cross-coupling reaction in solvent-free conditions,Research on Chemical Intermediates,2021.
8. Roya Jahanshahi , Asma Khazaee , Sara Sobhani , Jos Miguel Sansano,g-C3N4/- Fe2O3/TiO2/Pd: a new magnetically separable photocatalyst for visible-light-driven fluoride-free Hiyama and Suzuki–Miyaura cross-coupling reactions at room temperature,New Journal of Chemistry,2020.
9. Immobilized piperazine on the surface of graphene oxide as a heterogeneous bifunctional acid–base catalyst for the multicomponent synthesis of 2-amino-3-cyano-4 H-chromenes,Green Chemistry,2020.
10. Design and synthesis of aptamer AS1411-conjugated EG@ TiO2@ Fe2O3 nanoparticles as a drug delivery platform for tumor-targeted therapy,New Journal of Chemistry,2020.
11. Xiao et al.,Competition between intermolecular forces of adhesion and cohesion in the presence of graphene nanoparticles: Investigation of graphene nanosheets/ethylene glycol surface tension,Journal of Molecular Liquids,2020.
12. Roya Jahanshahi , Sara Sobhani , Jos Miguel Sansano,High Performance Magnetically Separable G-C3N4/-Fe2O3/TiO2 Nanocomposite with Boosted Photocatalytic Capability towards the Cefixime Trihydrate Degradation under Visible-Light,ChemistrySelect,2020.

13. Sara Rostami, Roya Jahanshahi, Cong Qi, Salman Abbasian ,& Naghneh, Aliakbar Karimipour,Effect of silica nano-materials on the viscosity of ethylene glycol: an experimental study by considering sonication duration effect,Journal of Materials Research and Technology,2020.
14. Roya Jahanshahi ,& Batool Akhlaghinia,Heteropolyacid anchored on SBA-15 functionalized with 2-aminoethyl dihydrogen phosphate: a novel and highly efficient catalyst for one-pot, three-component synthesis of trisubstituted 1,3-thiazoles,Research on Chemical Intermediates,2018.
15. Mahdi Nejatianfar , Batool Akhlaghinia , Roya Jahanshahi,Cu(II) immobilized on guanidinated epibromohydrin-functionalized □-Fe2O3@TiO2 (□-Fe2O3@TiO2-EG-Cu(II)): A highly efficient magnetically separable heterogeneous nanocatalyst for one-pot synthesis of highly substituted imidazoles,Applied Organometallic Chemistry,2018.
16. Roya Jahanshahi ,& Batool Akhlaghinia,Thiophene Methanimine–Palladium Schiff Base Complex Anchored on Magnetic Nanoparticles: A Novel, Highly Efficient and Recoverable Nanocatalyst for Cross-Coupling Reactions in Mild and Aqueous Media,Catalysis Letters,2017.
17. Roya Jahanshahi ,& Batool Akhlaghinia,Sulfonated Honeycomb Coral (HC-SO3H): a new, green and highly efficient heterogeneous catalyst for the rapid one-pot pseudo-five component synthesis of 4,4'-(aryl methylene) bis(3-methyl-1H-pyrazol-5-ol)s,Chemical Papers,2017.
18. Marzieh Esmaielpour , Batool Akhlaghinia , Roya Jahanshahi,Green and efficient synthesis of aryl/alkylbis (indolyl) methanes using Expanded Perlite-PPA as a heterogeneous solid acid catalyst in aqueous media,Journal of Chemical Sciences,2017.
19. Nasrin Razavi , Batool Akhlaghinia , Roya Jahanshahi,Aminophosphine Palladium(0) Complex Supported on ZrO2 Nanoparticles (ZrO2@AEPH2-PPh2-Pd(0)) as an Efficient Heterogeneous Catalyst for Suzuki–Miyaura and Heck–Mizoroki Reactions in Green Media,Catalysis Letters,2017.
20. Roya Jahanshahi ,& Batool Akhlaghinia,Cu(ii)-grafted SBA-15 functionalized S-methylisothiourea aminated epibromohydrin (SBA-15/E-SMTU-CuII): a novel and efficient heterogeneous mesoporous catalyst,New Journal of Chemistry,2017.
21. Roya Jahanshahi ,& Batool Akhlaghinia,CuII immobilized on guanidinated epibromohydrin functionalized □-Fe2O3@TiO2 (□-Fe2O3@TiO2-EG-CuII): a novel magnetically recyclable heterogeneous nanocatalyst for the green one-pot synthesis of 1,4-disubstituted 1,2,3-triazoles through alkyne–azide cycloa,RSC Advances,2016.
22. Sara SE Ghodsinia , Batool Akhlaghinia , Roya Jahanshahi,Direct access to stabilized Cu I using cuttlebone as a natural-reducing support for efficient CuAAC click reactions in water,RSC Advances,2016.
23. Roya Jahanshahi ,& Batool Akhlaghinia,Expanded perlite: an inexpensive natural efficient heterogeneous catalyst for the green and highly accelerated solvent-free synthesis of 5-substituted-1H-tetrazoles using [bmim]N3 and nitriles,RSC advances,2015.
24. Sara Sobhani ,& Roya Jahanshahi,One-Pot Synthesis of □-Phosphonomalonates Catalyzed by Molecular Iodine,Synthetic Communications,2013.
25. Sara Sobhani ,& Roya Jahanshahi,Nano n-propylsulfonated □-Fe2O3 (NPS-□-Fe2O3) as a magnetically recyclable heterogeneous catalyst for the efficient synthesis of 2-indolyl-1-nitroalkanes and bis(indolyl)methanes,New Journal of Chemistry,2013.