

مونس هنرمند

دانشیار

دانشکده: دانشکده مهندسی معدن، عمران، شیمی

گروه: گروه مهندسی شیمی



سوابق تحصیلی

مقطع تحصیلی	سال اخذ مدرک	رشته و گرایش تحصیلی	دانشگاه
کارشناسی	۱۳۸۵	شیمی	دانشگاه سیستان و بلوچستان
کارشناسی ارشد	۱۳۸۸	شیمی آلی	دانشگاه سیستان و بلوچستان
دکترای تخصصی	۱۳۹۲	شیمی آلی	دانشگاه بیرجند

اطلاعات استخدامی

محل خدمت	عنوان سمت	نوع استخدام	نوع همکاری	پایه
دانشگاه صنعتی بیرجند	عضو هیأت علمی	رسمی قطعی	تمام وقت	۱۴

سوابق اجرایی

- مدیر گروه مهندسی شیمی دانشگاه صنعتی بیرجند از تاریخ ۹۴/۷/۱۵ تا ۹۶/۸/۲۸
- عضو شورای نظارت و ارزیابی دانشگاه صنعتی بیرجند از تاریخ ۹۴/۳/۳۰ تا ۹۵/۳/۲۹
- رئیس گروه نظارت و ارزیابی و تضمین کیفیت دانشگاه صنعتی بیرجند از تاریخ ۱۴۰۱/۶/۲ تا ۱۴۰۵/۲/۱۳
- نماینده رئیس دانشگاه در کمیته ترفیعات از تاریخ ۱۴۰۲/۱/۱۵ تا ۱۴۰۵/۲/۲
- عضو هیأت اجرایی جذب دانشگاه صنعتی بیرجند از تاریخ ۱۴۰۴/۲/۱ تاکنون
- معاون آموزشی دانشگاه صنعتی بیرجند از تاریخ ۱۴۰۵/۲/۲ تاکنون
- عضو پنجمین دوره هیئت ممیزه دانشگاه بیرجند
- عضو ششمین دوره (کارگروه نظارت، ارزیابی و تضمین کیفیت دانشگاه‌های دولتی و دانشگاه‌های وابسته به دستگاه‌های اجرایی) هیأت نظارت، ارزیابی و تضمین کیفیت آموزش عالی استان خراسان جنوبی

جوایز و تقدیر نامه ها

- رتبه اول دانشجویان کارشناسی ارشد ورودی ۸۶ با معدل ۱۹/۵۵
- رتبه اول دانشجویان دکتری ورودی ۸۸ با معدل ۱۹/۶۳
- رتبه اول آزمون جامع دوره دکتری در سال ۹۰
- فارغ التحصیل استعداد درخشان در مقطع دکتری
- برنده جایزه دکتر کاظمی آشتیانی از بنیاد ملی نخبگان کشور در سال ۹۵
- پژوهشگر برتر دانشکده مهندسی معدن، عمران و شیمی در سال ۹۸
- پژوهشگر برتر دانشکده مهندسی معدن، عمران و شیمی در سال ۱۴۰۱
- سرآمد پژوهشی دانشگاه های استان در سالهای ۱۴۰۳ و ۱۴۰۴
- سرآمد پژوهشی دانشگاه صنعتی بیرجند در سالهای ۱۴۰۳ و ۱۴۰۴
- سرآمد آموزشی دانشکده مهندسی معدن، عمران و شیمی در سال ۱۴۰۳
- استاد راهبر هشتمین دوره طرح شهید احمدی روشن بنیاد ملی نخبگان

زمینه های تدریس

شیمی عمومی

شیمی تجزیه

شیمی آلی

طراحی واحدهای تصفیه آب و پساب

مقدمه ای بر علوم زیستی

بیوشیمی مواد غذایی

روش های تجزیه مواد معدنی

آزمایشگاه های مرتبط با شیمی

عضویت در انجمن های علمی

عضو انجمن شیمی ایران

عضو بنیاد ملی نخبگان

مقالات در همایش ها

۱. Majid mahjoore , Ahmad Aryafar , Moones Honarmand. Photocatalytic degradation of eriochrome black T using biosynthesized copper oxide nanoparticles. 10th Iranian Mining Engineering Conference. Sistan and Baluchestan. ۲۰۲۲

۲. Moones Honarmand , Atena Naeimi , Mohammad Ali Chaji. "Lead oxide nanoparticles for the photocatalytic degradation of methylene blue from aqueous solutions under solar irradiation. 2nd National Conference on Development in Science and Chemical industry (NCDSCI). Jiroft. ۲۰۲۱

۳. Majid Mahjoore , Ahmad Aryafar , Moones Honarmand. Photocatalytic degradation of

- ciprofloxacin using biosynthesized CuO nanoparticles. 2nd National Conference on Development in Science and Chemical industry (NCDSCI). Jiroft. 2021
- Atena Naeimi. The photodegradation of organic dyes using SnO₂/ZnO/eggshell nanocomposites. 1st International Conference & 4th National Conference on Materials, Metallurgy, Mining, Shahid Chamran University of Ahvaz. Ahvaz. 2021
- Atena Naeimi, Majid Nayeb Esfahani, Moones Honarmand. Green synthesis of copper oxide (CuO) nanoparticles using *Spinacia oleracea*. 1st International Conference & 4th National Conference on Materials, Metallurgy, Mining. Ahvaz. 2021
- Moones Honarmand, Iraj Ghaedia, Atena Naeimi. Rosmarinus officinalis L. extract assisted green synthesis of CuO nanoparticles. 8th International E-congress on Nanosciences and Nanotechnology. Mashhad. 2021
- Moones Honarmand. Biosynthesis of gold (Au) nanoparticles using aqueous extract of *Teucrium polium*. 8th International E-congress on Nanosciences and Nanotechnology. Mashhad. 2020
- Moones Honarmand. Phytosynthesis and characterization of MoO₃ bio-nanoparticles and MoO₃/Ag nanotube using natural plant. 7th National Congress of Chemistry and Chemical Engineering with Emphasis on Native Iranian Technology. Tehran. 2020
- Arman Iranfar. Turning waste into wealth: Using almond shell as natural adsorbent for organic dyes. 8th Iranian mining engineering. Birjand. 2020
- Mohammad Mirzadeh. Green synthesis of tin oxide nanoparticles using *Teucrium polium* extract and study of their application as adsorbent of bromocresol green. 8th Iranian mining engineering. Birjand. 2020
- Moones Honarmand. Synthesis and characterization of 3-aminopropylammonium hydrogensulfate as a nano aliphatic quaternary ammonium salt. 26th Iranian Seminar of Organic Chemistry. Zabol. 2019
- Anastasia Detsi. Three-component process for the synthesis of 4H-pyrans using a recyclable ionic liquid in aqueous media. 26th Iranian Seminar of Organic Chemistry. Zabol. 2019
- Moones Honarmand, Javad Hafezi, Bakhtiari, Morteza Golmohammadi. Biosynthesis of NiO nanoparticles using aqueous extract of oak fruit. The 16th Iranian National Congress of Chemical Engineering. Tehran. 2019
- Moones Honarmand. Green Synthesis of Zinc nanoparticles using jujube fruit extract and their application for organic dye removal. The 16th Iranian National Congress of Chemical Engineering. Tehran. 2019
- Moones Honarmand, Javad Hafezi, Bakhtiari, Morteza Golmohammadi. Biosynthesis of NiO nanoparticles using aqueous extract of oak fruit. The 16th Iranian National Congress of Chemical Engineering. Tehran. 2019
- Moones Honarmand. Synthesis and characterization of 3-aminopropylammonium hydrogensulfate as a nano aliphatic quaternary ammonium salt. 26th Iranian Seminar of Organic Chemistry. Zabol. 2019
- Anastasia Detsi. Three-component process for the synthesis of 4H-pyrans using a recyclable ionic liquid in aqueous media. 26th Iranian Seminar of Organic Chemistry. Zabol. 2019
- Moones Honarmand. Green Synthesis of Tin Oxide Nanoparticles using Narcissus Tazetta Leaf Extract. 3rd Iranian Seminar of Applied Chemistry. Hamedan. 2018
- Morteza Golmohammadi. Three-component synthesis of 4H-pyran derivatives in the presence of immobilized ionic liquid on silica gel. Iranian Seminar of Applied Chemistry. Hamedan. 2018
- Morteza Golmohammadi. A basic and recyclable ionic liquid for the efficient synthesis of 1,8-dioxo-octahydroxanthones. 3rd Iranian Seminar of Applied

- Reza Shirmehenji , Sepideh Javanshir , Moones Honarmand.Comparing Green Synthesis and Conventional Methods for the Synthesis of Selenium Nanoparticles.۳۸th National Geosciences Congress, Earth Sciences Research Institute.Tehran.۲۰۱۹
- Morteza Golmohammadi.Design and preparation of ۱,۲- 9 Moones Honarmand ethanediammonium ۳-hydroxypropane-۱-sulfonate [(EDA)(HPS)] as a novel nano organocatalyst for three-component synthesis of ۴H-pyrans.The ۱۰th International Chemical Engineering Congress & Exhibition.Isfahan.۲۰۱۸
- M. Honarmand , M. Shakourian , Fard,۳-Propanediaminium methanesulfonate [(PDA)(MS)]: A new nano molten salt catalyst for the efficient synthesis of bis(indolyl)methanes.۲nd Iranian Seminar of Applied Chemistry.Zanjan.۲۰۱۷
- M. Honarmand , M. Shakourian , Fard.A simple and green procedure for Knoevenagel condensation reaction using a new ammonium-based ionic liquid.۲nd Iranian Seminar of Applied Chemistry.Zanjan.۲۰۱۷
- M. Honarmand , M. Shakourian , Fard.An eco-friendly process for the one-pot synthesis of ۲-amino-۳-cyano-۴H-pyrans in the presence of nano ionic liquid.۲nd National Conference of Green Engineering and Technologies for a Sustainable Future.Tehran.۲۰۱۷
- H. Karami.Preparation, characterization and application of a green molten 9 M. Honarmand salt catalyst for the synthesis of bis(indolyl)methanes.۲nd National Conference of Green Engineering and Technologies for a Sustainable Future.Tehran.۲۰۱۷
- M. Shakourian , Fard , A. Bayat , M. Honarmand.Synthesis of a molybdate-based catalyst for green oxidation of organic halides aldehydes and ketones.۲nd National Conference of Green Engineering and Technologies for a Sustainable Future.Tehran.۲۰۱۷
- M. Shakourian , Fard , A. Bayat , M. Honarmand."Oxidation of alcohols by iron oxide magnetic nanoparticles coated with silver nanoparticles.۸th National Conference on chemistry and Environment.Tehran.۲۰۱۷
- M. Shakourian , Fard , M. Honarmand , A. Bayat."Adsorption of organic molecules on the graphene surfaces containing double-vacancy (δ - λ - δ) and stone-wales ($\delta\delta$ - $\gamma\gamma$) defects: Application in graphene based gas sensors.۸th National Conference on chemistry and Environment.Tehran.۲۰۱۷
- Moones Honarmand , Mehdi Shakourian , Farda , Ahmad Bayat.Design, synthesis and catalytic property evaluation of a nano ammonium salt.۵th Iranian Seminar of Organic Chemistry.Tehran.۲۰۱۷
- Moones Honarmand , Mehdi Shakourian , Farda , Ahmad Bayat."Synthesis of bis(indolyl)methanes catalyzed by the first nano aliphatic ammonium-based ionic liquid.۲۵th Iranian Seminar of Organic Chemistry.Tehran.۲۰۱۷
- Mehdi Shakourian , Fard , Moones Honarmand , Ahmad Bayat.DFT Study of Adsorption of Ionic Liquids on the Defective Graphene Nanoflakes.۲۵th Iranian Seminar of Organic Chemistry.Tehran.۲۰۱۷
- Mehdi Shakourian , Fard , Moones Honarmand , Ahmad Bayat.Trends in Physisorption of DNA Nucleobases on the Defective Hexagonal Boron Nitride Nanoflakes: A DFT Study.۲۵th Iranian Seminar of Organic Chemistry.Tehran.۲۰۱۷
- Moones Honarmand , Mehdi Shakourian , Fard.'Tris(hydroxymethyl)methane Ammonium Hydrogensulphate [(THA)(HSO₄)] : An Eco-friendly and Recyclable Catalyst for One-Pot , Three-Component Synthesis of ۲-Amino-۳-cyano-۴H-pyran Derivatives in Water.۲۴th Iranian Organic Chemistry Seminar.Tabriz.۲۰۱۶
- Moones Honarmand , Mehdi Shakourian , Fard.Efficient and Eco-Friendly Process for the Synthesis of Bis(1H-indol-۳- yl)methanes Using Butylammonium Hydrogen Sulphate as an Ionic Liquid.۲۴th Iranian Organic Chemistry Seminar.Tabriz.۲۰۱۶
- Moones Honarmand.Novel Ionic Liquid as an Efficient and Recyclable Catalyst for the

- .Knovenagel Reaction in Water.1st Iranian Applied Chemistry Seminar.Tabriz.۲۰۱۶
- Moones Honarmand.'Design, Synthesis and Characterization of Tris(hydroxymethyl)methane ammonium hydrogensulphate [(THA)(HSO₄)] as a Green and New Catalyst for the Henry Reaction.1st Iranian Applied Chemistry Seminar.Tabriz.۲۰۱۶
- Mehdi Shakourian , Fard , Moones Honarmand.Evaluating the Ion-Electrolyte Solvation Free Energy and Electronic Structure Properties of Lithium-Ion Battery Electrolytes.۱۹th Iranian Physical Chemistry Conference.Guilan.۲۰۱۶
- Moones Honarmand.'One-pot, multicomponent synthesis of highly substituted pyridines by using task-specific ionic liquid.۱۸th Iranian Seminar of Organic Chemistry.Sistan and Baluchestan.۲۰۱۲
- Moones Honarmand.Task-Specific Ionic liquid as a Recyclable Catalyst for the Efficient Synthesis of α -Phosphonomalonates.۱۵th Iranian Chemistry Congress.Hamedan.۲۰۱۱
- Moones Honarmand.Efficient Synthesis of γ -Amino- β -Hydroxychromene Substituted with Phosphonic Acid Dialkyl Esters Catalyzed by Silica-Supported Ionic Liquid.۱۵th Iranian Chemistry Congress.Hamedan.۲۰۱۱
- Moones Honarmand.'Task-specific ionic liquid as the recyclable catalyst for the efficient synthesis of (γ -amino- β -cyano- β -hydroxychromene- β -yl) phosphonic acid dialkyl esters derivatives.۱۷th Iranian Seminar of Organic Chemistry.Mazandaran.۲۰۱۰
- Moones Honarmand.Uncatalyzed, One-pot Synthesis of (Benzylene)- bis(β -hydroxy- β -hydroxychromene- β -one) Derivatives under Thermal Solvent-free Conditions.۱۶th Iranian Conference of Organic Chemistry.Zanjan.۲۰۰۹
- Moones Honarmand.Magnesium hydrogensulfate [Mg(HSO₄)₂] as an efficient catalyst for the preparation of silyl ethers, dibenzo[a,j] xanthenes and octahydroxanthene derivatives.۱۶th Iranian Conference of Organic Chemistry.Zanjan.۲۰۰۹
- Hamid Reza Shaterian , Asghar Hosseinain , Moones Honarmand , Fahime Khorami.'Ferric Hydrogensulfate as Efficient Heterogeneous Catalyst for Environmentally Friendly Greener Synthesis of ۱,۸-DioxoOctahydroxanthenes.۱۵th Iranian Seminar of Organic Chemistry.Kermanshah.۲۰۰۸

مقالات در نشریات

-
1. Khadijeh Khoshdel, Moones Honarmand, Hassan Hassani, SnO₂ and CuO anchored on zeolite as an efficient heterojunction photocatalyst for sunlight-assisted degradation of cefixime, Environmental Science and Pollution Research, 2023
 2. Majid Mahjoore, Moones Honarmand, Ahmad Aryafar, Plant-based green fabrication of CuO-CdO-bentonite S-scheme heterojunction with enhanced photocatalytic performance for the degradation of levofloxacin, Environmental Science and Pollution Research, 2023
 3. Majid Mahjoore, Ahmad Aryafar, Moones Honarmand, Cadmium Oxide Nanoparticles as A Novel Photo-Catalyst for Degradation of Ciprofloxacin Antibiotic in Aqueous Media, Journal of Mining and Environment, 2022
 4. Mehdi Khojasteh Sahlabad , Sepideh Javanshir , Moones Honarmand, Improvement in atmospheric leaching of chalcopyrite concentrate using a new environmentally-friendly ionic liquid, Hydrometallurgy, 2022
 5. Moones Honarmand , Atena Naeimi , Mohammad Saleh Rezakhani , Mohammad Ali Chaji, Ni/NiO doped chitosan-cellulose based on the wastes of barley and shrimp for degradation of ciprofloxacin antibiotic, Journal of Materials Research and Technology, 2022
 6. Atena Naeimi , Fereshteh Ezzati Ghadi , Seyed Mehdi Saadatkhan , Moones Honarmand, First and efficient bio-nano composite, SnO₂/Calcite based on Cypress leaves and eggshell wastes, for cytotoxic effects on HepG2 liver cancer cell lines and its antioxidant and antimicrobial activity, Journal of Molecular Structure, 2022

- Atena Naeimi , Moones Honarmand , Mohammad Ali Chaji , Sepide Khosravi, Green synthesis of bentonite/cellulose@lead oxide bio-nanocomposite with assistance of Pistacia Atlantica extract for efficient photocatalytic degradation of ciprofloxacin, Powder Technology, 2022
- Morteza Golmohammadi , Moones Honarmand , Amin Esmaeili, "Biosynthesis of ZnO nanoparticles supported on bentonite and the evaluation of its photocatalytic activity, Materials Research Bulletin, 2022
- Moones Honarmand , Malihe Amini , Atena Naeimi , Arman Iranfar, Green synthesis of ZnO/SnO₂ nanocomposites using pine leaves and their application for the removal of heavy metals from aqueous media, Journal of Cluster Science, 2022
- Majid Mahjoore , Ahmad Aryafar , Moones Honarmand, Cadmium Oxide Nanoparticles as A Novel Photo-Catalyst for Degradation of Ciprofloxacin Antibiotic in Aqueous Media, Journal of Mining and Environment, 2022
- Marieh Honarmand , Mohammad Mirzadeh , Moones Honarmand, Green synthesis of SnO₂-ZnO-eggshell nanocomposites and study of their application in removal of mercury (II) ions from aqueous solution, Journal of Environmental Health Science and Engineering, 2020
- Moones Honarmand , Morteza Golmohammadi , Javad Hafezi , bakhtiari, Synthesis and characterization of SnO₂ NPs for photodegradation of eriochrome black-T using response surface methodology, Environmental Science and Pollution Research, 2021
- Reza Shirmehenji , Sepideh Javanshir , Moones Honarmand, A Green Approach to the Bio-based Synthesis of Selenium Nanoparticles from Mining Waste, Journal of Cluster Science, 2021
- Morteza Golmohammadi , Moones Honarmand , Saeed Ghanbari , , A green approach to synthesis of ZnO nanoparticles using jujube fruit extract and their application in photocatalytic degradation of organic dyes, Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, 2020
- Moones Honarmand , Morteza Golmohammadi , Atena Naeimi, Green synthesis of SnO₂-bentonite nanocomposites for the efficient photodegradation of methylene blue and eriochrome black-T, Materials Chemistry and Physics, 2020
- Moones Honarmand , Andromachi Tzani , Anastasia Detsi, "Synthesis of novel multi-OH functionalized ionic liquid and its application as dual catalyst-solvent for the one-pot synthesis of 4H-pyrans, Journal of Molecular Liquids, 2019
- Moones Honarmand , Morteza Golmohammadi , Atena Naeimi, Biosynthesis of tin oxide (SnO₂) nanoparticles using jujube fruit for photocatalytic degradation of organic dyes, Advanced Powder Technology, 2019
- Moones Honarmand , Andromachi Tzani , Anastasia Detsi, "2-Hydroxyethyl-1-ammonium 3-hydroxypropane-1-sulfonate: a biodegradable and recyclable ionic liquid for the one-pot synthesis of 2-amino-3-cyano-4H-pyrans, Journal of the Iranian Chemical Society, 2019
- Atena Naeimi , Moones Honarmand , Naeime Salandari, "First biomimetic electrospun polymer from Carthamus tinctorius plant for sustainable synthesis of bis (1H-indol-3-yl)methanes, Polymer, 2018
- Atena Naeimi , Moones Honarmand , Asmaa Sedri, Ultrasonic assisted fabrication of first MoO₃/copper complex bionanocomposite based on Sesbania sesban plant for green oxidation of alcohols, Ultrasonics-Sonochemistry, 2019
- Atena Naeimi , Moones Honarmand , Omid Jawhid, Iron porphyrin supported on natural cellulose polymer extracting from Sesbania sesban plant: a novel eco-friendly and cost-effective catalyst for green oxidation of organic compounds in water, Cellulose Chemistry and Technology, 2018
- Moones Honarmand , & Mohammad Givzad, An efficient and eco-friendly process for the Knoevenagel reaction using nano organosalt catalyst, International Journal of Environmental Science and Technology, 2018
- Moones Honarmand, "Green synthesis of a nano salt and its application as multifunctional

- .organocatalyst for Knoevenagel condensation, Research on Chemical Intermediates, 2017
- Moones Honarmand , Atena Naeimi , Mahboobeh Zahedifar, "Nano ammonium salt: A novel .24
and recyclable organocatalyst for one-pot, three-component synthesis of 2-amino-3-cyano-4H-
pyran derivatives, Journal of the Iranian Chemical Society, 2017
- Moones Honarmand , & Elaheh Esmaeili, Tris(hydroxymethyl)methane ammonium .25
hydrogensulphate as a nano ionic liquid and its catalytic activity in the synthesis of
bis(indolyl)methanes, Journal of Molecular Liquids, 2017
- Sara Sobhani , Zahra Mesbah Falatoni , Solmaz Asadi , Moones Honarmand, Palladium- .26
Schiff base complex immobilized covalently on magnetic nanoparticles as an efficient and
recyclable catalyst for Heck and Suzuki cross-coupling reactions, Catalysis letters, 2016
- Sara Sobhani , Zahra Mesbah Falatoni , Moones Honarmand, Synthesis of phosphoric acid .27
supported on magnetic core-shell nanoparticles: a novel recyclable heterogeneous catalyst for
Kabachnik-Fields reaction in water, RSC Advances, 2014
- Sara Sobhani , Maryam Sadat Ghasemzadeh , Moones Honarmand , Farzaneh .28
Zarifi, Acetamidine-palladium complex immobilized on γ -Fe₂O₃ nanoparticles: a novel
magnetically separable catalyst for Heck and Suzuki coupling Reactions, RSC Advances, 2014
- Sara Sobhani , Maryam Sadat Ghasemzadeh , Moones Honarmand, Piperidine and Piperazine .29
Immobilized on Iron Oxide Nanoparticles as Magnetically Recyclable Heterogeneous Catalysts
for One-Pot Synthesis of β -Phosphonomalonates, Catalysis letters, 2014
- Sara Sobhani , & Moones Honarmand, Ionic liquid immobilized on γ -Fe₂O₃ nanoparticles: A .30
new magnetically recyclable heterogeneous catalyst for one-pot three-component synthesis of 2-
amino-3,5-dicarbonitrile-6-thio-pyridines, Applied catalysis A: General, 2013
- Sara Sobhani , & Moones Honarmand, Silica-Bonded 2-Hydroxyethylammonium Acetate as an .31
Efficient and Recyclable Catalyst for the Synthesis of 2-Amino-4H-chromen-4-yl Phosphonates
and β -Phosphonomalonates, Catalysis letters, 2013
- Sara Sobhani , & Moones Honarmand, A Simple and Efficient Method for One-Pot Three- .32
Component Synthesis of Terminal Vinylphosphonates Using a Task-Specific Ionic
Liquid, Synlett, 2013
- Sara Sobhani , & Moones Honarmand, 2-Hydroxyethylammonium acetate: A reusable task- .33
specific ionic liquid promoted one-pot, three-component synthesis of 2-amino-3,5-dicarbonitrile-6-
thio-pyridines, Comptes Rendus Chimie, 2013
- Sobhani , Razieh Nasserri , Moones Honarmand, 2-Hydroxyethylammonium acetate as a .34
reusable and cost-effective ionic liquid for the efficient synthesis of bis(pyrazolyl)methanes and
2-pyrazolyl-1-nitroalkanes, Canadian Journal of Chemistry, 2012
- Sara Sobhani , & Moones Honarmand, 5-Hydroxypentylammonium Acetate as a Reusable Ionic .35
Liquid Catalyzes Tandem Knoevenagel-Phospha-Michael Reaction of Aldehydes, Malononitrile
and Phosphites, Journal of the Iranian Chemical Society, 2012
- Hamid Reza Shaterian , & Moones Honarmand, Task-Specific Ionic Liquid as the Recyclable .36
Catalyst for the Rapid and Green Synthesis of Dihydropyrano[3,2-c]chromene
Derivatives, Synthetic Communications, 2011
- Hamid Reza Shaterian , Ali Reza Oveisi , Moones Honarmand, Synthesis of 2,3- .37
Dihydroquinazoline-4(1H)-ones, Synthetic Communications, 2010
- Hamid Reza Shaterian , Moones Honarmand , Ali Reza Oveisi, Multicomponent synthesis of .38
3,5-diaryl-2,6-dicyanoanilines under thermal solvent-free conditions, Monatshefte für
Chemie, 2010
- Hamid Reza Shaterian , & Moones Honarmand, Uncatalyzed, One-pot Synthesis of 3,3'- .39
(Benzylene)- bis(4-hydroxy-2H-chromen-2-one) Derivatives under Thermal Solvent-free
Conditions, Chinese Journal of Chemistry, 2009

۴۰. حمید رضا قناعتیان , مونس هنرمند , زهرا زراعتکار سیدآباد , مهدی شکوریان فرد, تخریب کاتالیزوری نوری رنگهای آلی با استفاده از نانوذرات اکسید قلع سنتز شده در عصاره برگ توت در حضور نور خورشید. نشریه علمی

علوم و فناوری رنگ، ۱۴۰۰.

۴۱. مونس هنرمند، مایع یونی تثبیت شده بر روی سیلیکاژل: یک کاتالیست ناهمگن نوین برای سنتز ترکیب-های
□، □- غیر اشباع، نشریه شیمی و مهندسی شیمی، ۱۴۰۰.

۴۲. مونس هنرمند، مرتضی گل محمدی، جواد حافظی بختیاری، سنتز سبز نانوذرات SnO₂ بر روی بنتونیت و
بررسی فعالیت کاتالیزوری نوری آن در تخریب اریوکروم بلک آ، نشریه علمی علوم و فناوری رنگ، ۱۳۹۹.

۴۳. مونس هنرمند، مایع یونی جدید به عنوان یک کاتالیزور موثر و قابل بازیافت برای واکنش نوناگل در آب، مجله
علمی - پژوهشی شیمی کاربردی، ۱۳۹۵.

Moones Honarmand, Majid Mahjoore, Hamid Kabiri, & Rad, Ahmad Aryafar, Fabrication of (1. 44
Co3O4/CdO/clinoptilolite nanocomposite heterojunction with synergistically enhanced catalytic
performance for photodegradation of pharmaceutical pollutants, Surfaces and Interfaces, pp.
.103609, 2024 1 1

پایان نامه ها

۱. تولید نانو ذرات سلنیم از لجن آندی مس
۲. لیچینگ کنسانتره کالکوپیریت با استفاده از یک مایع یونی جدید آلیفاتیک
۳. سنتز سبز نانوکامپوزیتهای اکسید فلزی بر پایه بنتونیت با استفاده از گیاه کما و بررسی فعالیت کاتالیزوری آنها
در حذف آلاینده های محیط زیست