



## Leila Moradi

Associate Professor

College: Faculty of Chemistry

Department: Organic Chemistry

### Employment Information

Faculty/Department	Position/Rank	Employment Type	Cooperation Type	Grade
(not set)	(not set)	Tenured	Full Time	(not set)

### Papers in Conferences

1. Atieh Ahmadi ,& Leila Moradi ,Synthesis of Dihydropyrano[2,3-g]chromenes Catalyzed by Metformin Under Ambient Conditions ,22nd Iranian Chemistry Congress (ICC22) ,2024/05/13.
2. Atieh Ahmadi ,& Leila Moradi ,synthesis of pyrido[2,3-d:5,6-d']dipyrimidine derivatives in the presence of high efficient catalyst ZnO NPs ,29th Iranian Organic Chemistry Conferece ,2023/11/01.
3. Leila Moradi, Hamide Fahimitabar ,Amination of Multiwalled Nanotube and Investigation of its Efficiency in Glucose Oxidase Immobilization ,The 5th International Congress on Nanoscience & Nanotechnology (ICNN2014) ,2014.
4. Leila Moradi, Mina Zare ,One-Pot synthesis of 1,4-dihydropyridine Derivatives In the presence of Meglumine@MWCNTs as high efficient catalyst ,The 5th International Congress on Nanoscience & Nanotechnology (ICNN2014) ,2014.
5. L. Moradi, F. Belali ,Novel and Efficient Solvent Free One-Pot Synthesis of Coumarin Derivatives Using Molybdate Sulfuric Acid (MSA) ,The 22nd Seminar of Organic Chemistry, ,2014.
6. L. Moradi, M. Zare ,One pot Synthesis of 4-H Chromenes under ultrasound irradiation and green condition ,The 22nd Seminar of Organic Chemistry ,2014.
7. L. Moradi, H. Fahimitabar ,A New Facile Method for Amination of Carbon Nanotubes and Carbon Nanofibers ,The 22nd Seminar of Organic Chemistry ,2014.
8. L. Moradi, I. Etesami, H.Emadi ,Chlorination of multiwalled carbon nanotubes through electrophilic addition reaction under microwave irradiation ,The 16th Iranian Chemistry Congress ,2013.
9. Leila Moradi, Manijeh Ghahremanpoor ,Hakimeh Saeidiroshan ,Synthesis of Coumarins in the Presence of Acidic Catalyzt based on Multi-Walled Carbon Nanotubes ,20th Iranian Seminar of Organic Chemistry, Faculty of Chemistry ,2013.
10. Leila Moradi, Hakime Saeidi Roshan, Manije Ghahremanpoor ,Solvent free synthesis of prymidinones in the presence Of acidic catalyzt based on multiwalled carbon nanotubes ,20th Iranian Seminar of Organic Chemistry, Faculty of Chemistry ,2013.
11. Leila Moradi, Maryam Rezaei ,& Bina ,Chemically attachment of NH2 group on multi-wall carbon nanotubes through Feridel Crafts reaction ,20th Iranian Seminar of Organic Chemistry ,2013.

12. L. Moradi, M. Rezaei. Bina ,Synthesis of heterogenous catalyst based on multiwalled carbon nanotubes ,The first national conference of new technologies in chemical and chemical engineering ,2013.
13. L. Moradi, F. Rostami ,New Simple Method for Oxidation of MultiWalled Carbon Nanotubes Through Radical Reactions ,Iran-Belarus International Conference on Modern Applications of Nanotechnology (IBCN12) ,2012.
14. L. Moradi, F. Rostami, M. Rezaei Bina ,Functionalization of Multiwalled Carbon Nanotubes through Electrophilic Addition Reactions ,Iran-Belarus International Conference on Modern Applications of Nanotechnology (IBCN12) ,2012.
15. L. Moradi ,One Pot Amination of MultiWalled Carbon Nanotubes ,international Conference on Nanostructures (ICNS4) ,2012.
16. Leila Moradi, Faeze Rostami ,Simple Method Direct Amination of MultiWalled Carbon Nanotubes ,18th Iranian Seminar of Organic Chemistry ,2012.
17. L. Moradi, F. Rostami ,Preparation of High Dispersability Functionalized MWCNTs through Friedel-Crafts Reactions ,4th International Congress on Nanoscience and Nanotechnology ,2012.
18. Leila Moradi, Mojtaba Golami Esfidvajani, Faeze Rostami ,New Method for Hydroxylation of Multi-walled Carbon Nanotubes and Study on Dispersion Stability in Organic Solvents ,18th Iranian Seminar of Organic Chemistry ,2012.
19. L. Moradi, A. Mohajeri, H. Naeimi, A.M. Rashidi ,New Method for Solubilization of Multiwalled Carbon Nanotubes ,IVESC-NANOCarbon2010 ,2010.
20. L. Moradi, A. Mohajeri, H. Naeimi, A.M. Rashidi ,Amino-Functionalized of Multiwalled Carbon Nanotubes for Binding to Polymers ,IVESC-NANOCarbon2010 ,2010.
21. Leila Moradi ,New method for Purification of multiwalled carbon nanotubes ,15th Iranian chemistry Congress (15th ICC) ,2011.
22. Leila Moradi ,Oxidation of Multi Walled Carbon Nanotubes with Ozone in Various Heat Conditions ,15th Iranian chemistry Congress ,2011.
23. Leila Moradi, Mojtaba Gholami Esfidvajani ,Photocatalytic Hydroxylation of Multiwalled carbon Nanotubes ,15th Iranian chemistry Congress (15th ICC) ,2011.
24. A. Mohajeri, L. Moradi, H. Naeimi, A.M. Rashidi ,Mild and Efficient Oxidation of Multi-walled Carbon Nanotubes with Ozone in DMF ,3rd Conference on Nanostructures (NS2010) ,2010.
25. Hossein Naeimi, Leila Moradi, Ali Mohajeri, Ali Morad Rashidi ,Efficient and Convenient Solubilization of Multiwalled Carbon Nanotubes ,3rd Conference on Nanostructures (NS2010) ,2010.

## Papers in Journals

- 
1. Azam Moazeni Bistgani , Abdulhamid Dehghani , Leila Moradi.Efficient synthesis of  $\alpha,\beta$ -disubstituted benzimidazoles catalyzed by phosphoric acid as a homogeneous catalyst under mild conditions and investigating their anti-diabetes properties through molecular docking studies and calculations†.RSC Advances.2023 13 08.
  2. Atiyeh kholat ,& Leila Moradi,Efcient synthesis of some [1,3]-oxazine derivatives in the presence of solid acid nano catalyst based on ferrierite and study on their activity against breast cancer through molecular docking calculation,Scientific reports,2024 07 13.
  3. Azam Moazeni Bistgani ,& Leila Moradi,Meglumine Sulfate as an Effective Catalyst for the Preparation of some Indeno[1,2-b]indole-9,10-dione Derivatives,Organic Chemistry Research,2024 03 01.
  4. Leila Moradi , Hamideh Rouhi Sasi , Abdulhamid Dehghani,Introducing a high throughput nanocatalytic method toward the synthesis of some pyrazolo phthalazine derivatives under green conditions utilizing imidazolium based ionic liquid supported on the silica-coated nanosized perlite as a novel, reusable and,Research on Chemical Intermediates,2024 02 19.
  5. Mohaddeseh Dehnavian , Leila Moradi , Azam Moazeni Bistgani.Stepwise synthesis of magnetic

mesoporous silica nanoparticles decorated with SnO<sub>2</sub> quantum dots as an efficient, recyclable, and green nanocatalyst for the synthesis of benzo[a]pyrano[3,2-c]phenazine derivatives. *Applied Organometallic Chemistry*, 2024, 37, 1-10.

6. Azam Moazeni Bistgani, & Leila Moradi, Immobilization of ionic liquids (ILs) on magnetic mesoporous silica nanotubes: A high throughput and reusable nanocatalyst for the green synthesis of indeno[1,2-b]indolone derivatives, *Microporous and Mesoporous Materials*, 2024, 378, 121457.
7. Narjes Palizi, Leila Morad, Green pathway to the synthesis of some spirooxindole derivatives using NGO/PMA as a new and effective solid acid catalyst, *Applied organometallic chemistry*, Vol. 37, pp. 1, 2023, SCOPUS, JCR.
8. Mahla Toorbaf, Leila Moradi, Abdulhamid Dehghani, Preparation of GO/Cys-Cu(II) as a novel, effective and recoverable catalyst for the multi component synthesis of spirooxindoles under mild conditions, *Journal of molecular structure*, Vol. 1294, pp. 136335, 2023, SCOPUS, JCR.
9. Mina Zare and Leila Moradi, Modification of magnetic mesoporous N-doped silica nanospheres by CuO NPs: a highly efficient catalyst for the multicomponent synthesis of some propellane indeno indole derivatives, *RSC Advances*, 2023.
10. Azam Moazeni Bistgani, Leila Moradi, Abdulhamid Dehghani, Preparation and characterization of MWCNTs/CONHBU and investigation of its catalytic effect in the multi component synthesis of 2-amino-4H-chromenes under green conditions, *catalysis communications*, 2023.
11. Leila Moradi, Seyyed Hojjat Sadeghi, Efficient pathway for the synthesis of amido alkyl derivatives using KCC-1/PMA immobilized on magnetic MnO<sub>2</sub> nanowires as recyclable solid acid catalyst, *Journal of molecular structure*, 2022.
12. Mohaddeseh Dehnavian, Abdulhamid Dehghani and Leila Moradi, Introducing a green nanocatalytic process toward the synthesis of benzo[a]pyrano-[2,3-c]phenazines utilizing copper oxide quantum dot-modified core-shell magnetic mesoporous silica nanoparticles as high throughput and reusable nanocatalysts, *RSC Advances*, 2022.
13. Pegah Mahdipour, Leila Moradi, Mahdi Mirzaie, Green Synthesis of Dihydropyrimido[4,5-b]quinolinetriones by Sulfonic Acid-Functionalized Silica-Coated CoFe<sub>2</sub>O<sub>4</sub> as a Solid Acid Nanocatalyst under Thermal and Ultrasonic Conditions, *chemistryselect*, Vol. 7, pp. 202203824, 2022, SCOPUS, JCR.
14. Seyyed Hojjat Sadeghi, Shekofeh Neamani & Leila Moradi, Immobilization of CdCl<sub>2</sub> on filamentous silica nanoparticles as an efficient catalyst for the solvent free synthesis of some amidoalkyl derivatives, *Polycyclic Aromatic Compounds*, 2022.
15. Mina Zare, Leila Moradi, Preparation of hollow mesoporous boron nitride spheres with surface decorated by CuO: A bifunctional acid-base catalyst for the green synthesis of some heterocyclic [3,3,3] propellane derivatives in water media, *Applied surface science*, 2022.
16. Shekofeh Neamani and Leila Moradi, Loading of g-C<sub>3</sub>N<sub>4</sub> on Core-Shell Magnetic Mesoporous Silica Nanospheres as a Solid Base Catalyst for the Green Synthesis of some Chromene Derivatives under Different Conditions, *Chemistryopen*, 2022.
17. Mina Zare | Leila Moradi, Preparation and characterization of GO/KCC-1/Ni(II) as an efficient catalyst for the green synthesis of some 1,8-dioxodecahydroacridine derivatives, *Applied Organometallic Chemistry*, 2021.
18. Haneye Amini, Shekofeh Neamani, and Leila Moradi, Green Synthesis of Pyrazolo Pyrano Pyrimidine Derivatives Using ZnFe<sub>2</sub>O<sub>4</sub>/GA as a New Effective Catalyst in Water Media, *Chemistryselect*, 2021.
19. Leila Moradi\*, Mahdi Mirzaie, Hamideh Rouhi Sasi, Preparation and characterization of perlite nanoparticles modified with guanidine as an efficient solid base catalyst for the multicomponent synthesis of 1H-pyrazolo [1,2-b] phthalazine-5,10-dione derivatives, *Journal of molecular structure*, 2021.
20. Mina Zare and Leila Moradi, Preparation and Modification of Magnetic Mesoporous Silica/Alumina Composites as Green Catalysts for the Synthesis of Some Indeno[1,2-b]Indole-9,10-Dione Derivatives in Water Media, *Polycyclic Aromatic Compounds*, 2021.
21. Seyyed Hojjat Sadeghi, Leila Moradi, Solvent free synthesis of amidoalkyl derivatives under green and convenient conditions, *Journal of Heterocyclic Chemistry*, 2021.

22. Masoumeh Ahmadi , Leila Moradi , Masoud Sadeghzadeh, Green synthesis of benzochromenopyrimidines in the presence of MWCNTs@SiO<sub>2</sub>/MSA as a new and effective solid acid catalyst under microwave irradiation, *Journal of Molecular Structure*, 2021 2 26.
23. Mahla Toorbaf and Leila Moradi, Preparation of GO/SiO<sub>2</sub>/PEA as a new solid base catalyst for the green synthesis of some spirooxindole derivatives, *RSC Advances*, 2021 6 7.
24. Shekofeh Neamani, Leila Moradi and Mingxuan Sun, Core-shell magnetic mesoporous N-doped silica nanoparticles: solid base catalysts for the preparation of some arylpyrimido[4,5-b]quinoline diones under green conditions, *RSC Advances*, 2020.
25. Hakimeh Saeidiroshan, Leila Moradi, Multiwalled carbon nanotubes/guanidine/Ni (II): A new and effective organometallic catalyst for the green synthesis of pyrazolopyranopyrimidines, *Applied Organometallic Chemistry*, 2020 12 9.
26. Hakimeh Saeidiroshan | Leila Moradi, Efficient and green synthesis of dihydropyrimido[4,5-b]quinolinetrienes using MWCNTs@TEPA/Co (II) as a novel and eco-friendly catalyst, *Applied Organometallic Chemistry*, 2020 3 27.
27. Shekofeh Neamani and Leila Moradi, Synthesis of New and Highly Functionalized 1,4-Dihydropyridines and Spirooxindole Dihydropyridines Using L-Proline as Efficient Catalyst, *Chemistryselect*, 2020 6 26.
28. Reyhaneh Rahnamafar, Leila Moradi, Mehdi Khoobi, Rapid and green synthesis of 4H-benzo[b]pyrans using triethanolamine as an efficient homogeneous catalyst under ambient conditions, *Res. Chem. Int.*, 2020 1 10.
29. Reyhaneh Rahnamafar, Leila Moradi, Mehdi Khoobi, Synthesis of benzo[b]xanthene-triones and tetrahydrochromeno[2,3-b]xanthene tetraones via three- or pseudo-five-component reactions using Fe<sub>3</sub>O<sub>4</sub>@SiO<sub>2</sub>/PEtOx as a novel, magnetically recyclable, and eco-friendly nanocatalyst, *J Heterocyclic Chem.*, 2020 1 20.
30. Fatemeh Asgari, Roya Mahinpour, Leila Moradi, Nooshin Haghighipour, The chromene derivative 4-Clpgc inhibits cell proliferation and induces apoptosis in the K562 cell line, *Journal of Cell Communication and Signaling*, 2019.
31. Asgari F, Mahinpour R, Haghighipour N, Moradi L., Investigation of toxicity effect of 4-MePgC and 4-No2pgC two derivatives dihydropyrano [2,3-g] chromene on the K562 cell line (chronic myeloid leukaemia), *Modares Journal of Biotechnology*, 2019.
32. Leila Moradi, Pegah Mahdipour, Green and rapid synthesis of dihydropyrimido [4,5-b] quinolinetriene derivatives using CoFe<sub>2</sub>O<sub>4</sub>@PPA as high efficient solid acidic catalyst under ultrasonic irradiation, *Applied Organometallic Chemistry*, 2019.
33. Masoumeh Ahmadi, Leila Moradi, Masoud Sadeghzadeh, Solvent-free synthesis of amidoalkyl naphthols in the presence of MWCNTs@SiO<sub>2</sub>/SO<sub>3</sub>H as effective solid acid catalyst, *Monatshefte für Chemie*, 2019.
34. Masoumeh Ahmadi, Leila Moradi, Masoud Sadeghzadeh, MWCNTs@NHBut/PTA: New efficient solid acid catalyst for solvent free synthesis of benzochromenopyrimidines, *Applied Organometallic Chemistry*, 2019.
35. Shekofeh Neamani, Leila Moradia, Mingxuan Sun, Synthesis of magnetic hollow mesoporous N-doped silica rods as a basic catalyst for the preparation of some spirooxindole-1,4-dihydropyridine derivatives, *Appl. Surf. Sci.*, 2019 10 19.
36. L. Moradi, M. Mirzaei, Immobilization of Lewis acidic ionic liquid on perlite nanoparticle surfaces as a highly efficient solid acid catalyst for the solvent-free synthesis of xanthene derivatives, *RSC Adv.*, Vol. 9, pp. 19940-19948, 2019.
37. Hakimeh Saeidiroshan, Leila Moradi, Immobilization of Cu(II) on MWCNTs@L-His as a new high efficient reusable catalyst for the synthesis of pyrido[2,3-d:5,6-d']dipyrimidine derivatives, *J. Organomet. Chem.*, Vol. 893, pp. 1-10, 2019.
38. Leila Moradi, Zeynab Aataei, Zohreh Zahraei, Convenient synthesis of spirooxindoles using SnO<sub>2</sub> nanoparticles as effective reusable catalyst at room temperature and study of their in vitro

antimicrobial activity, *J. Iranian Chem. Soc.*, Vol. 16, pp. 1273–1281, 2019.

39. Masoumeh Ahmad, Leila Moradi, Masoud sadeghzadeh, Synthesis of benzamides through direct condensation of carboxylic acids and amines in the presence of diatomite earth@IL/ZrCl<sub>4</sub> under ultrasonic irradiation, *Res. Chem. Int.*, Vol. 44, pp. 7873–7889, 2018.
40. Leila Moradi & Mina Zare, Ultrasound-promoted green synthesis of 1,4-dihydropyridines using functionalized MWCNTs as a highly efficient heterogeneous catalyst, *Green Chem. Lett. Rev.*, Vol. 11, pp. 197-208, 2018.
41. R. Mahinpour, L. Moradi, Z. Zahraei, N. Pahlevanzadeh, "New synthetic method for the Synthesis of 1,4-dihydropyridine using aminated multiwalled carbon nanotubes as high efficient catalyst and investigation of their antimicrobial properties", *J. Saudi Chem. Soc.*, Vol. 22, pp. 876-885, 2017.
42. L. Moradi, M. Tadayon, "Green synthesis of 3,4-dihydropyrimidinones using nano Fe<sub>3</sub>O<sub>4</sub>@meglumine sulfonic acid as a new efficient solid acid catalyst under microwave irradiation", *J. Saudi Chem. Soc.*, Vol. 22, pp. 66-75, 2018.
43. Leila Moradi, Maryam Aghamohammad Sadegh, "One-pot pseudo-five-component synthesis of dihydropyrano[2,3-g] chromenes using sodium phthalimide/[BMIM]BF<sub>4</sub> as high efficient catalytic system", *Iranian J. Catal.*, Vol. 7, pp. 147-152, 2017.
44. Leila Moradi, Zeynab Ataei, Efficient and green pathway for one-pot synthesis of spirooxindoles in the presence of CuO nanoparticles, *Green Chemistry Letters and Reviews*, 2017.
45. Leila Moradi, Maryam Aghamohammad Sadegh, "Sodium Saccharin as an Effective Catalyst for Rapid One-pot Pseudo-five Component Synthesis of Dihydropyrano[2,3-g]chromenes under Microwave Irradiation", *Act. Chim. Slov.*, Vol. 64, pp. 506-512, 2017.
46. Leila Moradi, Iman Etesami, "New route for bromination of multiwalled carbon nanotubes under mild and efficient conditions", *Fuller. Nanotub. Car. N.*, Vol. 24, pp. 213-218, 2015.
47. Leila Moradi, Khadijeh Rabiei, Fateme Belali, "Meglumine sulfate catalyzed solvent-free onepot synthesis of coumarins under microwave and thermal conditions", *Synth. Commun.*, Vol. 46, pp. 1283-1291. , 2016.
48. Leila Moradi, Nosrat Izadi, Faeze Rostami, "One Pot Chemically Attachment of Amino Groups on Multiwalled Carbon Nanotubes Surfaces", *Int. J. Nanosci. Nanotechnol.*, Vol. 11, pp. 93-99., 2015.
49. Leila Moradi, Gholam reza Najafi, Hakimeh Saeidiroshan, "New Method for Preparation of MWCNT-SO<sub>3</sub>H as Efficient and Reusable Catalyst for the Solvent Free Synthesis of 3,4-dihydropyrimidin-2(1H)-ones/thiones", *Iranian J. Catal.*, Vol. 5, pp. 357-364, 2015.
50. Leila Moradi, Mina Zare, "One Pot Three Component Synthesis of 2-amino-4H-Chromenes under Green and High Efficient Conditions", *Iranian J. Catal.*, Vol. 5, pp. 297-303, 2015 02 25.
51. Leila Moradi and Fateme Belali, "Solvent free One-pot Synthesis of Coumarins Using Molybdate sulfuric acid as high efficient catalyst in Thermal and Microwave Conditions", *J. Iran. Chem. Soc.*, Vol. 12, pp. 1927–1934, 2015 05 27.
52. Leila Moradi, Maryam Rezaeei Bina, Tayebe Partovi, "New strategy for chemically attachment of Schiff base complexes on Multiwalled Carbon Nanotubes surfaces", *Curr. Chem. Lett.*, Vol. 3, pp. 147–156, 2014 05 22.
53. Mohammad Ebadi, Zahra Mirdamadian, Davood Ghanbari, Leila Moradi, "The Effect of Aminated Carbon Nanotube and Phosphorus Pentoxide on the Thermal Stability and Flame Retardant Properties of the Acrylonitrile–Butadiene–Styrene", *J. Clust. Sci.*, Vol. 25, pp. 541–548, 2013 09 26.
54. Hossein Naeimi, Ali Mohajeri, Leila Moradi, Ali Morad Rashidi, "Solubilization of Multi Walled Carbon Nanotubes under a Facile and Mild Condition", *J. Nanosci. Nanotech.*, Vol. 11, pp. 8903-8906, 2009 11 23.
55. Sara Safari Kish, Alimorad Rashidi, Hamid Reza Aghabozorg, Leila Moradi, "Increasing the Octan Number of Gasoline Using Functionalized Carbon Nanotubes", *Appl. Surf. Sci.*, Vol. 256, pp. 3472-3477, 2009 12 23.
56. Hossein Naeimi, Ali Mohajeri, Leila Moradi, Ali Morad Rashidi, "Efficient and facile one pot carboxylation of multiwalled carbon nanotubes by Using Oxidation with Ozone under Mild

Conditions", *Appl. Surf. Sci.*, Vol. 256, pp. 631-635, 2009 09 03.

57. H. Naeimi, L. Moradi, "Ortho Acylation of Phenol and Naphthol Derivatives with FeCl<sub>3</sub> under Microwave Conditions", *Russian J. Org. Chem.*, Vol. 43, pp. 1756-1758, 2006 11 01.

58. H. Naeimi, L. Moradi, "Facile, Convenient and Regioselective Direct Ortho-Acylation of Phenol and naphthols with Lewis Acids Under microwave Conditions", *J. Mol. Catal. A: Chem.*, Vol. 256, pp. 242-246, 2006 06 09.

59. H. Naeimi, L. Moradi, "Efficient and Mild Synthesis of Orthohydroxyaryl Ketones Catalyzed by Zinc Chloride Under Solvent-Free Condition and Microwave Irradiation", *Catal. Commun.*, Vol. 7, pp. 1067-1071, 2006 04 28.

60. M. Mazloun ardakani, M. Jjamshidpour, H. Neimi, L. Moradi, "Thiocyanate Ion-Selective PVC Membrane Electrode Based on N,N-Ethylene-bis (4-methyl salicylidineiminato)nickel(II)", *Anal. Sci.*, Vol. 22, pp. 1221-1227, 2006 05 02.

61. M. Mazloun ardakani, M. Jalayer, H. Naeimi, H. R. Zare, L. Moradi, "Perchlorate-Selective membrane electrode based on a new complex of Uranil", *Anal. Bioanal. Chem.*, Vol. 381, pp. 1186-1192, 2005 03 16.

62. H. Naeimi, L. Moradi, "Microwave Assisted Ortho Acylation of Phenol and Naphthol Derivatives by BF<sub>3</sub>(C<sub>2</sub>H<sub>5</sub>)<sub>2</sub>O", *Bull. Chem. Soc. Jpn.*, Vol. 78, pp. 287-284, 2005 02 11.