

In the name of GOD

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Educational Background:

- University of Kashan, Kashan, I.R.Iran. Ph.D. in Organic Chemistry, 2004-2009.
Dissertation: "Preparation of various carbon nanotubes derivatives for enhance of their solubility via ozonolysis, electrophilic addition and radical reactions"
- University of Kashan, Kashan, I.R.Iran. M.Sc. in Organic Chemistry, 2001-2004.
Dissertation: "Acylation of phenol and naphthol derivatives in the presence of Lewis acids under microwave irradiation and synthesis of some new naphthalenic Schiff bases"

Research Interests:

- Carbon nanotubes Functionalization and applications
- Nano metaloxide catalysts
- Synthesis of heterocyclic compounds
- Supported catalysts
- Hollow mesoporous catalysts
- Organic synthesis

Published Articles:

1. H. Naeimi, L. Moradi."Microwave assisted ortho acylation of phenol and naphthol derivatives by $\text{BF}_3(\text{C}_2\text{H}_5)_2\text{O}$ ", Bull. Chem. Soc. Jpn., 78 (2005) 287-284.
2. 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., 381 (2005) 1186-1192.
3. M. Mazloun ardakani, M. Jamshidpour, H. Neimi, L. Moradi. "Thiocyanate ion-selective pvc membrane electrode based on n,n-ethylene-bis (4-methyl salicylidineiminato)nickel(II)", Anal. Sci., 22 (2006) 1221-1227

4. H. Naeimi, L. Moradi. "Facile, Convenient and regioselective direct ortho-acylation of phenol and naphthols with Lewis acids under microwave conditions", *Mol. Catal. A: Chem.*, 256 (2006) 242-246.
5. H. Naeimi, L. Moradi, "Efficient and mild synthesis of orthohydroxyaryl ketones catalyzed by zinc chloride under solvent-free condition and microwave irradiation", *Catal. Commun.*, 7 (2006) 1067-1071
6. H. Naeimi, L. Moradi, "Ortho acylation of phenol and naphthol derivatives with FeCl_3 under microwave conditions", *Russian J. Org. Chem.*, 43, 12 (2007) 1756-1758
7. H. Naeimi, A. Mohajeri, L. Moradi, A. M. Rashidi, "Efficient and facile one pot carboxylation of multiwalled carbon nanotubes by using oxidation with ozone under mild conditions", *Appl. Surf. Sci.*, 256 (2009) 631-635.
8. R. Arasteh, M. Masoumi, A.M. Rashidi, L. Moradi, V. Samimi, S.T. Mostafavi, "Adsorption of 2-nitrophenol by multi-wall carbon nanotubes from aqueous solutions", *Appl. Surf. Sci.*, 256 (2010) 4447-4455.
9. S. Safari Kish, A. M. Rashidi, H. R. Aghabozorg, L. Moradi, "Increasing the octan number of gasoline using functionalized Carbon Nanotubes", *Appl. Surf. Sci.*, 256 (2010) 3472-3477.
10. T. Forati, A. Behnamghader, A. M. Rashidi, A. Gozalian, D. Ntentopolou, M. Namvarasl, L. Moradi, "Effect of functionalized carbon nanotubes on the synthesis of hydroxyapatite nanoparticles", *J. Nanosci. Nanotech.*, 11 (2011) 5423-5428
11. H. Naeimi, A. Mohajeri, L. Moradi, A. M. Rashidi, "Solubilization of multi walled carbon nanotubes under a facile and mild condition", *J. Nanosci. Nanotech.*, 11 (2011) 8903-8906
12. L. Moradi, A. Mohajeri, H. Naeimi, A. M. Rashidi, "Amidation of multiwalled carbon nanotubes in mild and efficient conditions", *J. Nanosci. Nanotech.*, 13 (2013) 1923-1926.
13. M. Ebadi, Z. Mirdamadian, D. Ghanbari, L. 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.*, 25 (2014) 541-548.
14. L. Moradia, M. Rezaeei Binab, T. Partovi, "New strategy for chemically attachment of Schiff base complexes on multiwalled carbon nanotubes surfaces", *Curr. Chem. Lett.*, 3 (2014) 147-156.
15. L. Moradi, F. 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.*, 12 (2015) 1927-1934.

16. L. Moradi, M. Zare, "One pot three component synthesis of 2-amino-4h-chromenes under green and high efficient conditions", *Iran. J. Catal.*, 5 (2015) 297-303
17. L. Moradi, G. R. Najafi, H. Saeidiroshan, "New method for preparation of MWCNT-SO₃H as efficient and reusable catalyst for the solvent free synthesis of 3,4- dihydropyrimidin-2(1h)-ones/thiones", *Iran. J. Catal.*, 5 (2015) 357-364.
18. L. Moradi, N. Izadi, F. Rostami, "One pot chemical attachment of amino groups on multiwalled carbon nanotubes surfaces", *Int. J. Nanosci. Nanotech.*, 11 (2015) 93-99.
19. L. Moradi, K. Rabiei, F. Belali, "Meglumine sulfate catalyzed solvent-free one-pot synthesis of coumarins under microwave and thermal conditions", *Synth. Commun.*, 46 (2016) 1283–1291.
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21. L. Moradi, M. 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", *Acta Chim. Slov.*, 64 (2017) 506-512.
22. L. Moradi, Z. Ataei, "Efficient and green pathway for one-pot synthesis of spirooxindoles in the presence of CuO nanoparticles", *Green Chem. Lett. Rev.*, 10 (2017) 380–386.
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25. L. Moradi, R. Mahinpour, 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.*, 22 (2018) 876-885.
26. L. Moradi, M. Zare, "Ultrasound-promoted green synthesis of 1,4-dihydropyridines using functionalized MWCNTs as a highly efficient heterogeneous catalyst", *Green Chem. Lett. Rev.*, 11 (2018) 197-208.

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30. M. Ahmadi, L. Moradi, M. Sadeghzadeh, "MWCNTs@NHBut/PTA: new efficient solid acid catalyst for solvent free synthesis of benzochromenopyrimidines", *Appl. Organomet. Chem.*, 33 (2019) e4980
31. L. Moradi, P. Mahdipour, "Green and rapid synthesis of dihydropyrimido [4,5-*b*] quinolinetriene derivatives using CoFe₂O₄@PPA as high efficient solid acidic catalyst under ultrasonic irradiation, *Appl. Organomet. Chem.*, 33 (2019) e4996.
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59. 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", *Catal. Commun.*, 182 (2023) 106755-106763.
60. Azam Moazeni Bistgani, Abdulhamid Dehghani and Leila Moradi, "Efficient synthesis of 1,2-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 Adv.*, 13 (2023) 35781-35790.
61. 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 Mesoporous Mater.*, 372 (2024) 113113-113125.
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