# Ali Asghar Mohammadi

List of Publications by Year
in descending order



| 85 | 1,807 | 361413 | 302126 |
|---|---|---|---|
| papers | citations | 20 h-index | 39 g-index |

| 102 | 102 | 102 | 1459 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Efficient synthesis of mono- and disubstituted 2,3-dihydroquinazolin-4(1H)-ones using KAl(SO4)2Â·12H2O as a reusable catalyst in water and ethanol. Tetrahedron Letters, 2005, 46, 6123-6126. | 1.4 | 188 |
| 2 | Solvent-free synthesis of tetrasubstituted imidazoles on silica gel/NaHSO4 support. Catalysis Communications, 2006, 7, 728-732. | 3.3 | 143 |
| 3 | A Stereoselective Three-Component Reaction:Â KAl(SO4)2Â·12H2O, an Efficient and Reusable Catalyst for the One-Pot Synthesis ofcis-Isoquinolonic Acids. Journal of Organic Chemistry, 2005, 70, 350-352. | 3.2 | 96 |
| 4 | KAl(SO4)2Â·12H2O supported on silica gel as a novel heterogeneous system catalyzed biginelli reaction. Applied Catalysis A: General, 2006, 300, 85-88. | 4.3 | 93 |
| 5 | A multi-component electro-organic synthesis of 2-amino-4H-chromenes. Tetrahedron Letters, 2008, 49, 7194-7196. | 1.4 | 89 |
| 6 | A regioselective three-component reaction for synthesis of novel 1â€²H-spiro[isoindoline-1,2â€²-quinazoline]-3,4â€²(3â€²H)-dione derivatives. Tetrahedron, 2009, 65, 3804-3808. | 1.9 | 82 |
| 7 | A Novel One-Pot Synthesis of Some New Interesting Pyrrole Derivatives. Journal of Organic Chemistry, 2005, 70, 1471-1473. | 3.2 | 80 |
| 8 | Silica sulfuric acid a novel and heterogeneous catalyst for the synthesis of some new oxindole derivatives. Catalysis Communications, 2006, 7, 752-755. | 3.3 | 80 |
| 9 | Oneâ€Pot Synthesis of Monoâ€and Disubstituted (3H)â€Quinazolinâ€4â€ones in Dry Media Under Microwave Irradiation. Synthetic Communications, 2005, 35, 279-287. | 2.1 | 54 |
| 10 | Potassium aluminum sulfate (alum): an efficient catalyst for the one-pot synthesis of trisubstituted imidazoles. Monatshefte FÃ¼r Chemie, 2008, 139, 935-937. | 1.8 | 54 |
| 11 | Synthesis of tetrahydrobenzo[b]pyran under catalysis of NH4Al(SO4)2Â·12H2O (Alum). Arabian Journal of Chemistry, 2017, 10, S2213-S2216. | 4.9 | 48 |
| 12 | An Efficient One-Pot Procedure for Preparation of 2,4(1H,3H)-Quinazolinediones and 2-Thioxoquinazolinone Derivatives Under Microwave Irradiation. Synthetic Communications, 2003, 33, 415-420. | 2.1 | 42 |
| 13 | A novel one-pot, four component synthesis of some densely functionalized pyrroles. Molecular Diversity, 2000, 6, 223-226. | 3.9 | 30 |
| 14 | KAl(SO4)2 Â· 12H2O (alum) a reusable catalyst for the synthesis of some 4-substituted coumarins via Pechmann reaction under solvent-free conditions. Monatshefte FÃ¼r Chemie, 2008, 139, 805-808. | 1.8 | 29 |
| 15 | Microwave-assisted One-Pot Three Component Synthesis of Some New 4(3H)-Quinazolinone Derivatives. Heterocycles, 2004, 63, 1417. | 0.7 | 26 |
| 16 | A synthetic route to 11-(1H-pyrrol-1-yl)-11H-indeno[1,2-b]quinoxaline derivatives exploiting a three-component coupling strategy under microwave irradiation. Tetrahedron Letters, 2005, 46, 6155-6157. | 1.4 | 26 |
| 17 | A stereoselective threeâ€component reaction: Oneâ€pot synthesis ofcisâ€isoquinolonic acids catalyzed by silica sulfuric acid under mild and heterogeneous conditions. Journal of Heterocyclic Chemistry, 2006, 43, 187-190. | 2.6 | 23 |
| 18 | Reactions of 6â€Aminouracils: The First Simple, Fast, and Highly Efficient Synthesis of bis(6â€Aminopyrimidonyl)methanes (BAPMs) Using Thermal or Microwaveâ€Assisted Solventâ€Free Methods. Synthetic Communications, 2006, 36, 3631-3638. | 2.1 | 22 |

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|---|---|---|---|
| 19 | Silica Sulfuric Acid-Catalyzed Reaction of 4-Hydroxy Proline with 11H-Indeno[1,2-b]quinoxalin-11-one and Isatin Derivatives: A Novel Synthesis of New Pyrrole Compounds. Synthesis, 2005, 2005, 1095-1098. | 2.3 | 21 |
| 20 | KAl(SO<sub>4</sub>)<sub>2</sub>Â·12H<sub>2</sub>O (Alum) Catalyzed Oneâ€Pot Threeâ€Component Synthesis of 2â€Alkyl and 2â€Arylâ€4(3H)â€quinazolinone under Microwave Irradiation and Solvent Free Conditions. Chinese Journal of Chemistry, 2011, 29, 1982-1984. | 4.9 | 20 |
| 21 | An efficient and convenient protocol for the synthesis of novel 1â€²H-spiro[isoindoline-1,2â€²-quinazoline]-3,4â€²(3â€²H)-dione derivatives. Monatshefte FÃ¼r Chemie, 2009, 140, 401-404. | 1.8 | 19 |
| 22 | An Efficient Synthesis of New 3,4-Dihydropyrimidin- 2(1H)-ones Incorporating a Phenyl Moiety at C-5 and C-6 Catalyzed by TMSCl and Co(OAc)2.4H2O. Phosphorus, Sulfur and Silicon and the Related Elements, 2009, 184, 1796-1804. | 1.6 | 18 |
| 23 | Design, Synthesis, and Antibacterial Evaluation of Some Novel 3â€²-(Phenylamino)-1â€²H-spiro[indoline-3,2â€²-quinazoline]-2,4â€²(3â€²H)-dione Derivatives. Synthetic Communications, 2014, 44, 457-467. | 1.7 | 18 |
| 24 | Green Protocol for the FriedlÃnder Synthesis: KAl(SO4)2Â·12H2O-SiO2 (Alum- SiO2), a Highly Efficient Catalyst in the Synthesis of Quinolines. Heterocycles, 2008, 75, 947. | 0.7 | 17 |
| 25 | Synthesis and In Vitro Antibacterial Activities of Novel 2â€Arylâ€3â€(phenylamino)â€2,3â€dihydroquinazolinâ€4(1H)â€one Derivatives. Journal of Heterocyclic Chemistry, 2013, 50, 1129-1133. | 2.6 | 17 |
| 26 | Synthesis of Some Novel ?-Spirolactones. Monatshefte FÃ¼r Chemie, 2004, 135, 729-733. | 1.8 | 16 |
| 27 | Biginelliâ€like three component reaction: Synthesis of some new ethyl 6â€ethoxycarbonylmethylâ€4â€arylâ€2â€oxoâ€1,2,3,4â€tetrahydropyrimidineâ€5â€carboxylate derivatives. Journal of Heterocyclic Chemistry, 2007, 44, 455-458. | 2.6 | 16 |
| 28 | A modified and green methodology for preparation of polysubstituted furans. Heteroatom Chemistry, 2005, 16, 259-262. | 0.7 | 15 |
| 29 | Reactions of 6-aminouracils â€" A novel and highly efficient procedure for preparation of some new spiro pyridodipyrimidines under classical or microwave-assisted solvent-free conditions. Canadian Journal of Chemistry, 2008, 86, 925-929. | 1.1 | 15 |
| 30 | Electro-Organic Synthesis of Nanosized Particles of 2-Amino-pyranes. Industrial & Engineering Chemistry Research, 2012, 51, 2200-2204. | 3.7 | 15 |
| 31 | Electro-organic synthesis of nanosized particles of 3-hydroxy-3-(1H-indol-3-yl)indolin-2-one derivatives. Monatshefte FÃ¼r Chemie, 2012, 143, 1157-1160. | 1.8 | 15 |
| 32 | Design, synthesis and antibacterial evaluation of 2-alkyl- and 2-aryl-3-(phenylamino)quinazolin-4(3H)-one derivatives. Heterocyclic Communications, 2017, 23, 105-108. | 1.2 | 15 |
| 33 | Montmorillonite K-10 catalysed solvent-free synthesis of 2,3-disubstituted-4(3H)quinazolinones under microwave irradiation. Journal of Chemical Research, 2004, 2004, 570-572. | 1.3 | 14 |
| 34 | An Efficient Oneâ€Pot Fourâ€Component Synthesis of Some New Spirooxindole Dihydropyridine Using Alum as a Heterogeneous Green Catalyst. Journal of Heterocyclic Chemistry, 2017, 54, 2085-2089. | 2.6 | 14 |
| 35 | Green pseudo-multicomponent synthesis of some new spirocyclopropane derivatives via electro-catalyzed reaction. Molecular Diversity, 2020, 24, 763-770. | 3.9 | 14 |
| 36 | Synthesis of Some Novel Î³-Spiroiminolactones from Reaction of Cyclohexyl Isocyanide and Dialkyl Acetylene Dicarboxylates with 1-Benzylisatin and Tryptanthrine. Synthetic Communications, 2003, 33, 387-391. | 2.1 | 13 |

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| 37 | One-pot three components synthesis of alkyl indeno [1,2-b]-quinoxalin-11-ylideneacetates in water and under solvent-free conditions. Heteroatom Chemistry, 2005, 16, 549-552. | 0.7 | 13 |
| 38 | Highly functionalized dihydrofuran derivatives: Synthesis by diastereoselective intramolecular Wittig reaction. Heteroatom Chemistry, 2006, 17, 277-279. | 0.7 | 13 |
| 39 | Multicomponent One-Pot Reactions: Synthesis of Some New 6-Oxopyrano [2,3-c]Isochromenes by Condensation of Homophthalic Anhydride, Dialkyl acetylenedicarboxylate, and Isocyanides. Combinatorial Chemistry and High Throughput Screening, 2009, 12, 536-542. | 1.1 | 13 |
| 40 | KAl(SO4)2.12H2O(Alum): An Efficient Catalyst for the Synthesis of Novel bis[spiro(quinazoline-oxindole)] Derivatives Via One-Pot Pseudo Five-Component Reactions. Journal of Heterocyclic Chemistry, 2015, 52, 1871-1875. | 2.6 | 13 |
| 41 | Diastereoselective synthesis and molecular docking studies of novel fused tetrahydropyridine derivatives as new inhibitors of HIV protease. Journal of Molecular Structure, 2017, 1139, 166-174. | 3.6 | 13 |
| 42 | Microwave-assisted one-pot synthesis of some dicyano- methylene derivatives of indenoquinoxaline and tryptanthrin under solvent free conditions. Arkivoc, 2007, 2007, 24-30. | 0.5 | 13 |
| 43 | A Simple and Efficient Synthesis of New 6-Arylimino-6H-indolo[2,1-b]quinazolin-12-ones under Microwave Irradiation. Heterocycles, 2004, 63, 791. | 0.7 | 12 |
| 44 | One-Pot, Three-Component Synthesis of Cis -Isoquinolonic Acids Using ZnCl <sub>2</sub> , AlCl <sub>3</sub> -SiO <sub>2</sub> as Catalyst. Synthetic Communications, 2011, 41, 523-527. | 2.1 | 12 |
| 45 | KAl(SO4)2Â·12H2O: An Efficient Catalyst for the Stereoselective Synthesis of cis- Isoquinolonic Acids. Heterocycles, 2004, 63, 2013. | 0.7 | 11 |
| 46 | A Rapid and Highly Efficient One-Pot Methodology for Preparation of Alkyl Oxindolideneacetates. Letters in Organic Chemistry, 2006, 3, 56-57. | 0.5 | 11 |
| 47 | One-pot five-component reaction for synthesis of some novel bis-dihydroquinazolinone derivatives. Arkivoc, 2014, 2014, 310-318. | 0.5 | 11 |
| 48 | Synthesis of Novel 1Hâ€Imidazol[1,2â€a]Indeno[2,1â€e]Pyridineâ€6(5H)â€Ones Derivatives via a Oneâ€Pot Fourâ€Component Condensation Reaction. Journal of Heterocyclic Chemistry, 2016, 53, 805-808. | 2.6 | 11 |
| 49 | Oneâ€pot Syntheses of Some New 2,4(1 H ,3 H )â€quinazolinedione Derivatives in the Absence of Catalyst. Journal of Heterocyclic Chemistry, 2017, 54, 2075-2078. | 2.6 | 11 |
| 50 | MICROWAVE IRRADIATION PROMOTED REACTIONS OF ANTHRANILIC ACID WITH KETONES. PREPARATION OF SUBSTITUTED ACRIDINONES AND QUINOLINONES. Synthetic Communications, 2001, 31, 3647-3652. | 2.1 | 10 |
| 51 | Three Component Synthesis of Some g-Spiroiminolactones under Microwave- assisted Solvent-free Conditions. Heterocycles, 2004, 63, 2225. | 0.7 | 10 |
| 52 | Synthesis of some new 6-substituted quinazolino[4,3-b]quinazolin-8-ones under solvent-free conditions. Journal of Chemical Research, 2004, 2004, 435-437. | 1.3 | 9 |
| 53 | Oneâ€Pot Pseudo Fiveâ€Component Synthesis of Some New bis(Quinazolinonâ€4(1<scp>H</scp>)â€one) Derivatives. Journal of Heterocyclic Chemistry, 2017, 54, 484-488. | 2.6 | 9 |
| 54 | Caroâ€™s Acid-Silica Gel Catalyzed Synthesis of 2-Aryl-1H-Benzimidazoles and 2-Aryl-1-arylmethyl-1H-benzimidazoles. Heterocycles, 2009, 78, 2337. | 0.7 | 9 |

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|---|---|---|---|
| 55 | A novel one-pot procedure for preparation of some new condensed pyrido[2,3-d]pyrimidine(1H,3H)-2,4-diones. Heteroatom Chemistry, 2007, 18, 16-18. | 0.7 | 8 |
| 56 | Eelectrosynthesis of benzothiazole derivatives via Câ€“H thiolation. Heterocyclic Communications, 2022, 28, 67-74. | 1.2 | 8 |
| 57 | Three-Component Synthesis of Ninhydrin Derived Î±-Acyloxycarboxamides. Monatshefte FÃ¼r Chemie, 2006, 137, 1079-1082. | 1.8 | 7 |
| 58 | An Efficient Synthesis for Some New Heterocyclic Compoundâ€fused Oxindole Derivatives. Journal of Heterocyclic Chemistry, 2017, 54, 789-793. | 2.6 | 7 |
| 59 | One-Pot Synthesis of Alkyl Indeno[1,2-b]quinoxalin-11-ylideneacetates under Solvent-free Conditions. Heterocycles, 2005, 65, 143. | 0.7 | 6 |
| 60 | FeNH4(SO4)2Â·12H2O (alum)-catalyzed preparation of 1,4-dihydropyridines: improved conditions for the Hantzsch reaction. Monatshefte FÃ¼r Chemie, 2012, 143, 931-933. | 1.8 | 6 |
| 61 | Synthesis of some new triamide derivatives via Ugi five-component reaction in aqueous solution. Molecular Diversity, 2018, 22, 999-1006. | 3.9 | 6 |
| 62 | Ultrasound-mediated efficient synthesis of dihydrothiopyrano[2,3-b]indole-3-carbonitrile derivatives. Journal of the Iranian Chemical Society, 2016, 13, 1301-1306. | 2.2 | 5 |
| 63 | Synthesis of the new tri-amide derivatives as novel Î±-glucosidase inhibitors by Ugi four-component reaction. Journal of Molecular Structure, 2021, 1227, 129531. | 3.6 | 5 |
| 64 | A Novel and Expedient Synthesis of 7â€Pyrimidinylpyrimido[4,5â€d]pyrimidinones. Helvetica Chimica Acta, 2010, 93, 153-157. | 1.6 | 4 |
| 65 | Synthesis and molecular docking studies of some new tetra-amide derivatives as new inhibitors of Maltase-Glucoamylase. Journal of Molecular Structure, 2019, 1180, 556-563. | 3.6 | 4 |
| 66 | A straightforward approach for the synthesis of novel fused thiopyrano [2, 3-b] indole derivatives from the Intramolecular Friedel-Crafts acylation. Journal of Molecular Structure, 2020, 1208, 127854. | 3.6 | 4 |
| 67 | Electro-organic synthesis of tetrahydroimidazo[1,2-a]pyridin-5(1H)-one via a multicomponent reaction. Molecular Diversity, 2021, 25, 509-516. | 3.9 | 4 |
| 68 | KAl(SO4)2.12H2O Supported on Silica gel Catalyzed Coupling of 4- Hydroxyproline with Isatins, 11H-Indeno[1,2-b]quinoxalin-11-ones, Quinones and 9H-Fluoren-9-one: An Efficient Synthesis of Some Interesting Pyrroles. Letters in Organic Chemistry, 2008, 5, 566-568. | 0.5 | 3 |
| 69 | An Efficient Oneâ€Pot Threeâ€Component Synthesis of Some New 3â€(Benzo[d]thiazolâ€2â€yl)â€2â€alkylâ€4(3H)â€quinazolinones Using Silica Sulfuric Acid as a Heterogeneous Catalyst. Journal of Heterocyclic Chemistry, 2018, 55, 2647-2651. | 2.6 | 3 |
| 70 | Synthesis of Some Novel Î³-Spiroiminolactones from Reaction of Cyclohexyl Isocyanide and Dialkyl Acetylene Dicarboxylates with 1-Benzylisatin and Tryptanthrine.. ChemInform, 2003, 34, no. | 0.0 | 0 |
| 71 | An Efficient One-Pot Procedure for Preparation of 2,4(1H,3H)-Quinazolinediones and 2-Thioxoquinazolinone Derivatives under Microwave Irradiation.. ChemInform, 2003, 34, no. | 0.0 | 0 |
| 72 | A Simple and Efficient Synthesis of new 6-Arylimino-6H-indolo[2,1-b]quinazolin-12-ones under Microwave Irradiation.. ChemInform, 2004, 35, no. | 0.0 | 0 |

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| 73 | Synthesis of Some Novel Î³-Spirolactones.. ChemInform, 2004, 35, no. | 0.0 | 0 |
| 74 | KAl(SO4)2Ã—12H2O: An Efficient Catalyst for the Stereoselective Synthesis of cis-Isoquinolonic Acids.. ChemInform, 2005, 36, no-no. | 0.0 | 0 |
| 75 | A Novel Four-Component Reaction for the Diastereoselective Synthesis of Some New Spiro Pyrrolizidines via 1,3-Dipolar Cycloaddition of Azomethine Ylides.. ChemInform, 2005, 36, no. | 0.0 | 0 |
| 76 | Three Component Synthesis of Some ?-Spiroiminolactones under Microwave-Assisted Solvent-Free Conditions.. ChemInform, 2005, 36, no. | 0.0 | 0 |
| 77 | One-Pot Synthesis of Alkyl Indeno[1,2-b]quinoxalin-11-ylideneacetates under Solvent-Free Conditions.. ChemInform, 2005, 36, no. | 0.0 | 0 |
| 78 | A Stereoselective Three-Component Reaction: KAl(SO4)2Ã—12H2O, an Efficient and Reusable Catalyst for the One-Pot Synthesis of cis-Isoquinolonic Acids.. ChemInform, 2005, 36, no. | 0.0 | 0 |
| 79 | A Novel One-Pot Synthesis of Some New Interesting Pyrrole Derivatives.. ChemInform, 2005, 36, no. | 0.0 | 0 |
| 80 | One-Pot Synthesis of Mono- and Disubstituted (3H)-Quinazolin-4-ones in Dry Media under Microwave Irradiation.. ChemInform, 2005, 36, no. | 0.0 | 0 |
| 81 | A Modified and Green Methodology for Preparation of Polysubstituted Furans.. ChemInform, 2005, 36, no. | 0.0 | 0 |
| 82 | Silica Sulfuric Acid-Catalyzed Reaction of 4-Hydroxyproline with 11H-Indeno[1,2-b]quinoxalin-11-one and Isatin Derivatives: A Novel Synthesis of New Pyrrole Compounds.. ChemInform, 2005, 36, no. | 0.0 | 0 |
| 83 | Efficient Synthesis of Mono- and Disubstituted 2,3-Dihydroquinazolin-4(1H)-ones Using KAl(SO4)2Ã—12H2O as a Reusable Catalyst in Water and Ethanol.. ChemInform, 2005, 36, no. | 0.0 | 0 |
| 84 | A Synthetic Route to 11-(1H-Pyrrol-1-yl)-11H-indeno[1,2-b]quinoxaline Derivatives Exploiting a Three-Component Coupling Strategy under Microwave Irradiation.. ChemInform, 2005, 36, no. | 0.0 | 0 |
| 85 | Electrochemical production of novel products from 2,3-dimethylhydroquinone in the presence of some Î²-diketones. Monatshefte FÃ¼r Chemie, 2009, 140, 645-649. | 1.8 | 0 |