

Arsalan Mirjafari

List of Publications by Year in descending order

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Version: 2024-02-01

52
papers

960
citations

471509

17
h-index

477307

29
g-index

54
all docs

54
docs citations

54
times ranked

1276
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Molecular design principles of ionic liquids with a sulfonyl fluoride moiety. <i>New Journal of Chemistry</i> , 2021, 45, 2443-2452. | 2.8 | 13 |
| 2 | Pt(II)-Decorated Covalent Organic Framework for Photocatalytic Difluoroalkylation and Oxidative Cyclization Reactions. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 6349-6358. | 8.0 | 27 |
| 3 | Design Principles of Lipid-like Ionic Liquids for Gene Delivery. <i>ACS Applied Bio Materials</i> , 2021, 4, 4737-4743. | 4.6 | 15 |
| 4 | Covalently linked hydrogen bond donors: The other side of molecular frustration in deep eutectic solvents. <i>Journal of Chemical Physics</i> , 2021, 155, 084502. | 3.0 | 3 |
| 5 | Developing Structural First Principles for Alkylated Triphenylphosphonium-Based Ionic Liquids. <i>ACS Omega</i> , 2021, 6, 32285-32296. | 3.5 | 5 |
| 6 | From gene delivery agents to ionic liquids: The impacts of cation structure and anion identity on liquefaction. <i>Journal of Molecular Liquids</i> , 2019, 296, 111758. | 4.9 | 4 |
| 7 | Phosphorodithioate-functionalized ionic liquids: Synthesis and physicochemical properties characterization. <i>Journal of Molecular Liquids</i> , 2019, 276, 334-337. | 4.9 | 6 |
| 8 | Ionic liquid syntheses via click chemistry: expeditious routes toward versatile functional materials. <i>Chemical Communications</i> , 2018, 54, 2944-2961. | 4.1 | 52 |
| 9 | Ionic liquids and poly(ionic liquid)s for 3D printing – A focused mini-review. <i>European Polymer Journal</i> , 2018, 108, 390-398. | 5.4 | 73 |
| 10 | Heterogeneous microwave-assisted Ullmann type methodology for synthesis of rigid-core ionic liquid crystals. <i>New Journal of Chemistry</i> , 2018, 42, 10421-10431. | 2.8 | 4 |
| 11 | Autocatalytic Synthesis of Bifluoride Ionic Liquids by SuFEx Click Chemistry. <i>Angewandte Chemie</i> , 2018, 130, 16237-16241. | 2.0 | 15 |
| 12 | Autocatalytic Synthesis of Bifluoride Ionic Liquids by SuFEx Click Chemistry. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 16005-16009. | 13.8 | 38 |
| 13 | Studies on solubility and S-alkylation of 2-thiouracil in ionic liquids. <i>Journal of Molecular Liquids</i> , 2018, 265, 463-467. | 4.9 | 4 |
| 14 | Deconvolution of conformational equilibria in methimazolium-based ionic liquid ion pair: Infrared spectroscopic and computational study. <i>Journal of Molecular Liquids</i> , 2018, 266, 194-202. | 4.9 | 1 |
| 15 | 1-Methyl-1H-imidazol-3-ium methanesulfonate. <i>IUCrData</i> , 2018, 3, . | 0.3 | 3 |
| 16 | Thioether-functionalized picolinium ionic liquids: synthesis, physical properties and computational studies. <i>New Journal of Chemistry</i> , 2017, 41, 1625-1630. | 2.8 | 11 |
| 17 | Study of biocatalytic activity of histidine ammonia lyase in protic ionic liquids. <i>Journal of Molecular Liquids</i> , 2017, 248, 830-832. | 4.9 | 8 |
| 18 | Methimazolium-based ionic liquid crystals: Emergence of mesomorphic properties via a sulfur motif. <i>Tetrahedron</i> , 2017, 73, 5456-5460. | 1.9 | 10 |

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|----|---|------|-----------|
| 19 | Ionic liquids with thioether motifs as synthetic cationic lipids for gene delivery. <i>Chemical Communications</i> , 2017, 53, 8328-8331. | 4.1 | 14 |
| 20 | Synthesis and Properties of Lipid-Inspired Ionic Liquids. , 2016, , 205-223. | | 3 |
| 21 | Biomimetic design of protic lipidic ionic liquids with enhanced fluidity. <i>New Journal of Chemistry</i> , 2016, 40, 7795-7803. | 2.8 | 10 |
| 22 | Bifunctional hydrophobic ionic liquids: facile synthesis by thiol-ene click chemistry. <i>Green Chemistry</i> , 2016, 18, 2443-2452. | 9.0 | 30 |
| 23 | Click chemistry mediated synthesis of bio-inspired phosphonyl-functionalized ionic liquids. <i>Green Chemistry</i> , 2015, 17, 1259-1268. | 9.0 | 12 |
| 24 | Crystal structure of a methimazole-based ionic liquid. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2015, 71, o1008-o1009. | 0.5 | 4 |
| 25 | Crystal structure of triphenyl(vinyl)phosphonium tetraphenylborate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2014, 70, o1143-o1143. | 0.2 | 0 |
| 26 | Impact of water on CO ₂ capture by amino acid ionic liquids. <i>Environmental Chemistry Letters</i> , 2014, 12, 201-208. | 16.2 | 81 |
| 27 | Direct synthesis of 2,4,5-trisubstituted imidazoles from alcohols and α -hydroxyketones by microwave. <i>Environmental Chemistry Letters</i> , 2014, 12, 177-183. | 16.2 | 14 |
| 28 | Synthesis of New Lipid-Inspired Ionic Liquids by Thiol-ene Chemistry: Profound Solvent Effect on Reaction Pathway. <i>Chemistry - A European Journal</i> , 2014, 20, 7576-7580. | 3.3 | 33 |
| 29 | The Effect of the Sulfur Position on the Melting Points of Lipidic 1-Methyl-3-Thiaalkylimidazolium Ionic Liquids. <i>Journal of Physical Chemistry B</i> , 2014, 118, 10232-10239. | 2.6 | 21 |
| 30 | Ionic liquid-induced conversion of methoxymethyl-protected alcohols into nitriles and iodides using [Hmim][NO ₃]. <i>Tetrahedron Letters</i> , 2014, 55, 4424-4426. | 1.4 | 1 |
| 31 | Building a bridge between aprotic and protic ionic liquids. <i>RSC Advances</i> , 2013, 3, 337-340. | 3.6 | 38 |
| 32 | A simple and rapid route to novel tetra(4-thiaalkyl)ammonium bromides. <i>RSC Advances</i> , 2013, 3, 24612. | 3.6 | 11 |
| 33 | Synthesis and thermophysical properties of ionic liquids: cyclopropyl moieties versus olefins as T _m -reducing elements in lipid-inspired ionic liquids. <i>Tetrahedron Letters</i> , 2013, 54, 12-14. | 1.4 | 22 |
| 34 | Thermophysical Properties of Imidazolium-Based Lipidic Ionic Liquids. <i>Journal of Chemical & Engineering Data</i> , 2013, 58, 1516-1522. | 1.9 | 30 |
| 35 | A co-crystal of 1,10-phenanthroline with boric acid: a novel aza-aromatic complex. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2013, 69, o1067-o1068. | 0.2 | 3 |
| 36 | Degradation of Chitin Utilizing Acid Functionalized Ionic Liquids Technology. <i>ACS Symposium Series</i> , 2012, , 189-198. | 0.5 | 5 |

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|----|---|-----|-----------|
| 37 | Lipid-Inspired Ionic Liquids Containing Long-Chain Appendages: Novel Class of Biomaterials with Attractive Properties and Applications. ACS Symposium Series, 2012, , 199-216. | 0.5 | 11 |
| 38 | Structure-based tuning of T _m in lipid-like ionic liquids. Insights from Tf ₂ N ⁺ salts of gene transfection agents. Chemical Communications, 2012, 48, 7522. | 4.1 | 12 |
| 39 | The Combination of 1-Butyl-3-methylimidazolium Bromide and Trichloro(trifluoromethanesulfonato)titanium(IV) as a New Protocol for the Synthesis of Aryl Nitriles. Bulletin of the Korean Chemical Society, 2012, 33, 2102-2104. | 1.9 | 5 |
| 40 | Dual functional ionic liquids as plasticisers and antimicrobial agents for medical polymers. Green Chemistry, 2011, 13, 1527. | 9.0 | 73 |
| 41 | Efficient one-pot synthesis of 2,3-dihydroquinazolin-4(1H)-ones from aromatic aldehydes and their one-pot oxidation to quinazolin-4(3H)-ones catalyzed by Bi(NO ₃) ₃ ·5H ₂ O: Investigating the role of the catalyst. Comptes Rendus Chimie, 2011, 14, 944-952. | 0.5 | 26 |
| 42 | Microwave-promoted one-pot conversion of alcohols to oximes using 1-methylimidazolium nitrate, [Hmim][NO ₃], as a green promoter and medium. Comptes Rendus Chimie, 2011, 14, 1065-1070. | 0.5 | 14 |
| 43 | Functionalized ionic liquids with highly polar polyhydroxylated appendages and their rapid synthesis via thiol-ene click chemistry. Tetrahedron Letters, 2011, 52, 5173-5175. | 1.4 | 21 |
| 44 | One-pot synthesis of 2,3-disubstituted 2,3-dihydroquinazolin-4(1H)-ones using [Hmim][NO ₃]: An eco-friendly protocol. Journal of Heterocyclic Chemistry, 2011, 48, 1419-1427. | 2.6 | 7 |
| 45 | [C ₄ mim][InCl ₄]: An efficient catalyst-medium for alkoxy-methylation of alcohols and their interconversion to acetates and TMS-ethers. Comptes Rendus Chimie, 2011, 14, 568-579. | 0.5 | 5 |
| 46 | Multi-wall carbon nanotubes supported molybdenum hexacarbonyl: An efficient and highly reusable catalyst for epoxidation of alkenes with tert-butyl hydroperoxide. Journal of Molecular Catalysis A, 2010, 329, 44-49. | 4.8 | 36 |
| 47 | Microwave-promoted, one-pot conversion of alkoxy-methylated protected alcohols into their corresponding nitriles, bromides, and iodides using [bmim][InCl ₄] as a green catalyst. Tetrahedron Letters, 2010, 51, 3274-3276. | 1.4 | 17 |
| 48 | H ₃ PW ₁₂ O ₄₀ ·[bmim][FeCl ₄]: A novel and green catalyst-medium system for microwave-promoted selective interconversion of alkoxy-methyl ethers into their corresponding nitriles, bromides and iodides. Comptes Rendus Chimie, 2010, 13, 1468-1473. | 0.5 | 4 |
| 49 | Microwave-Promoted Alkynylation-Cyclization of 2-Aminoaryl Ketones: A Green Strategy for the Synthesis of 2,4-Disubstituted Quinolines. Synlett, 2010, 2010, 3104-3112. | 1.8 | 43 |
| 50 | 12-Tungstophosphoric acid supported on inorganic oxides as heterogeneous and reusable catalysts for the selective preparation of alkoxy-methyl ethers and their deprotections under different reaction conditions. Polyhedron, 2008, 27, 2612-2624. | 2.2 | 16 |
| 51 | H ₃ PW ₁₂ O ₄₀ · A selective, environmentally benign, and reusable catalyst for the preparation of methoxy-methyl and ethoxy-methyl ethers and their deprotections under mild conditions. Canadian Journal of Chemistry, 2008, 86, 831-840. | 1.1 | 16 |
| 52 | Solid state photochemistry of 1,4-dihydropyridines. Bioorganic and Medicinal Chemistry Letters, 2005, 15, 3423-3425. | 2.2 | 30 |