

# Babak Karimi

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/2611346/babak-karimi-publications-by-citations.pdf>

**Version:** 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

187  
papers

8,168  
citations

53  
h-index

80  
g-index

263  
ext. papers

8,754  
ext. citations

4.5  
avg, IF

6.56  
L-index

| #   | Paper   | IF   | Citations |
|-----|---|------|-----------|
| 187 | Highly efficient aerobic oxidation of alcohols using a recoverable catalyst: the role of mesoporous channels of SBA-15 in stabilizing palladium nanoparticles. <i>Angewandte Chemie - International Edition</i> , <b>2006</b> , 45, 4776-9                                | 16.4 | 272       |
| 186 | New N-heterocyclic carbene palladium complex/ionic liquid matrix immobilized on silica: application as recoverable catalyst for the Heck reaction. <i>Organic Letters</i> , <b>2006</b> , 8, 1237-40  | 6.2  | 250       |
| 185 | Selective oxidation of sulfides to sulfoxides using 30% hydrogen peroxide catalyzed with a recoverable silica-based tungstate interphase catalyst. <i>Organic Letters</i> , <b>2005</b> , 7, 625-8  | 6.2  | 194       |
| 184 | Ordered mesoporous organosilica with ionic-liquid framework: an efficient and reusable support for the palladium-catalyzed Suzuki-Miyaura coupling reaction in water. <i>Chemistry - A European Journal</i> , <b>2010</b> , 16, 8047-53                                   | 4.8  | 191       |
| 183 | Transition-Metal-Catalyzed Oxidative Heck Reactions. <i>Synthesis</i> , <b>2010</b> , 2010, 1399-1427   | 2.9  | 187       |
| 182 | Recent Applications of Magnetically Recoverable Nanocatalysts in C-C and C-X Coupling Reactions. <i>ChemCatChem</i> , <b>2015</b> , 7, 1736-1789  | 5.2  | 182       |
| 181 | Green, transition-metal-free aerobic oxidation of alcohols using a highly durable supported organocatalyst. <i>Angewandte Chemie - International Edition</i> , <b>2007</b> , 46, 7210-3   | 16.4 | 180       |
| 180 | Mild and highly efficient method for the silylation of alcohols using hexamethyldisilazane catalyzed by iodine under nearly neutral reaction conditions. <i>Journal of Organic Chemistry</i> , <b>2000</b> , 65, 7228-30  | 4.2  | 156       |
| 179 | A highly water-dispersible/magnetically separable palladium catalyst based on a Fe <sub>3</sub> O <sub>4</sub> @SiO <sub>2</sub> anchored TEG-imidazolium ionic liquid for the Suzuki-Miyaura coupling reaction in water. <i>Green Chemistry</i> , <b>2014</b> , 16, 2587 | 10   | 138       |
| 178 | Design of a highly efficient and water-tolerant sulfonic acid nanoreactor based on tunable ordered porous silica for the von Pechmann reaction. <i>Organic Letters</i> , <b>2008</b> , 10, 3989-92  | 6.2  | 129       |
| 177 | A study on applications of N-substituted main-chain NHC-palladium polymers as recyclable self-supported catalysts for the Suzuki-Miyaura coupling of aryl chlorides in water. <i>Inorganic Chemistry</i> , <b>2011</b> , 50, 6063-72                                      | 5.1  | 128       |
| 176 | A novel water-soluble NHC-Pd polymer: an efficient and recyclable catalyst for the Suzuki coupling of aryl chlorides in water at room temperature. <i>Chemical Communications</i> , <b>2011</b> , 47, 7686-8  | 5.8  | 127       |
| 175 | SBA-15-functionalized sulfonic acid confined acidic ionic liquid: a powerful and water-tolerant catalyst for solvent-free esterifications. <i>Chemical Communications</i> , <b>2012</b> , 48, 3327-9  | 5.8  | 126       |
| 174 | A highly recyclable magnetic core-shell nanoparticle-supported TEMPO catalyst for efficient metal- and halogen-free aerobic oxidation of alcohols in water. <i>Chemistry - A European Journal</i> , <b>2011</b> , 17, 6056-60   | 4.8  | 126       |
| 173 | Lithium trifluoromethanesulfonate (LiOTf) as a recyclable catalyst for highly efficient acetylation of alcohols and diacetylation of aldehydes under mild and neutral reaction conditions. <i>Journal of Organic Chemistry</i> , <b>2003</b> , 68, 4951-4                 | 4.2  | 118       |
| 172 | Highly efficient three-component coupling reaction catalyzed by gold nanoparticles supported on periodic mesoporous organosilica with ionic liquid framework. <i>Chemical Communications</i> , <b>2012</b> , 48, 8961-3   | 5.8  | 114       |
| 171 | Aerobic oxidation of alcohols using various types of immobilized palladium catalyst: the synergistic role of functionalized ligands, morphology of support, and solvent in generating and stabilizing nanoparticles. <i>Green Chemistry</i> , <b>2009</b> , 11, 109-119   | 10   | 113       |

|     |  |      |     |
|-----|--|------|-----|
| 170 | Main-chain NHC-palladium polymer as a recyclable self-supported catalyst in the Suzuki-Miyaura coupling of aryl chlorides in water. <i>Chemical Communications</i> , <b>2009</b> , 3750-2  | 5.8  | 107 |
| 169 | A novel and highly efficient method for the silylation of alcohols with hexamethyldisilazane (HMDS) catalyzed by recyclable sulfonic acid-functionalized ordered nanoporous silica. <i>Tetrahedron Letters</i> , <b>2007</b> , 48, 1277-1280   | 2    | 101 |
| 168 | A Bipyridyl Palladium Complex Covalently Anchored onto Silica as an Effective and Recoverable Interphase Catalyst for the Aerobic Oxidation of Alcohols?. <i>Organometallics</i> , <b>2005</b> , 24, 4695-4698   | 3.8  | 99  |
| 167 | Recent Advances in Metal-Catalyzed Asymmetric Mannich Reactions. <i>Synthesis</i> , <b>2013</b> , 45, 2769-2812  | 2.9  | 97  |
| 166 | Solid silica-based sulfonic acid as an efficient and recoverable interphase catalyst for selective tetrahydropyranylation of alcohols and phenols. <i>Journal of Molecular Catalysis A</i> , <b>2005</b> , 232, 113-117  |      | 96  |
| 165 | Unexpected golden Ullmann reaction catalyzed by Au nanoparticles supported on periodic mesoporous organosilica (PMO). <i>Chemical Communications</i> , <b>2011</b> , 47, 10452-4   | 5.8  | 84  |
| 164 | Zinc Chloride Catalyzed Silylation of Alcohols and Phenols by Hexamethyldisilazane. A Highly Chemoselective Reaction. <i>Synthetic Communications</i> , <b>1993</b> , 23, 1633-1641  | 1.7  | 83  |
| 163 | Palladium containing periodic mesoporous organosilica with imidazolium framework (Pd@PMO-IL): an efficient and recyclable catalyst for the aerobic oxidation of alcohols. <i>Organic and Biomolecular Chemistry</i> , <b>2011</b> , 9, 7420-6  | 3.9  | 80  |
| 162 | Ionic Liquids in Asymmetric Synthesis: An Overall View from Reaction Media to Supported Ionic Liquid Catalysis. <i>ChemCatChem</i> , <b>2018</b> , 10, 3173-3205   | 5.2  | 79  |
| 161 | Synthesis and characterization of alkyl-imidazolium-based periodic mesoporous organosilicas: a versatile host for the immobilization of perruthenate (RuO <sub>4</sub> <sup>-</sup> ) in the aerobic oxidation of alcohols. <i>Chemistry - A European Journal</i> , <b>2012</b> , 18, 13520-30 | 4.8  | 78  |
| 160 | Lithium Bromide-Catalyzed Highly Chemoselective and Efficient Dithioacetalization of $\alpha$ -Unsaturated and Aromatic Aldehydes under Solvent-Free Conditions. <i>Synthesis</i> , <b>1999</b> , 1999, 58-60  | 2.9  | 77  |
| 159 | SBA-15-functionalized TEMPO confined ionic liquid: an efficient catalyst system for transition-metal-free aerobic oxidation of alcohols with improved selectivity. <i>Organic and Biomolecular Chemistry</i> , <b>2011</b> , 9, 4194-8   | 3.9  | 75  |
| 158 | A highly efficient and recyclable silica-based scandium(III) interphase catalyst for cyanosilylation of carbonyl compounds. <i>Organic Letters</i> , <b>2004</b> , 6, 4813-5   | 6.2  | 75  |
| 157 | Palladium Nanoparticles Supported in the Nanospaces of Imidazolium-Based Bifunctional PMOs: The Role of Plugs in Selectivity Changeover in Aerobic Oxidation of Alcohols. <i>ACS Catalysis</i> , <b>2015</b> , 5, 4189-4200  | 13.1 | 74  |
| 156 | Ionic Liquid and Sulfonic Acid Based Bifunctional Periodic Mesoporous Organosilica (BPMOIL/BO <sub>3</sub> H) as a Highly Efficient and Reusable Nanocatalyst for the Biginelli Reaction. <i>ChemCatChem</i> , <b>2014</b> , 6, 2593-2599  | 5.2  | 69  |
| 155 | Amine-functionalized ionic liquid-based mesoporous organosilica as a highly efficient nanocatalyst for the Knoevenagel condensation. <i>Catalysis Science and Technology</i> , <b>2016</b> , 6, 4318-4326  | 5.5  | 67  |
| 154 | Selectivity Adjustment of SBA-15 Based Tungstate Catalyst in Oxidation of Sulfides by Incorporating a Hydrophobic Organic Group inside the Mesochannels. <i>ACS Catalysis</i> , <b>2013</b> , 3, 1657-1664   | 13.1 | 67  |
| 153 | Selective oxidation of alcohols with hydrogen peroxide catalyzed by tungstate ions (WO <sub>4</sub> <sup>=</sup> ) supported on periodic mesoporous organosilica with imidazolium frameworks (PMO-IL). <i>Tetrahedron</i> , <b>2014</b> , 70, 6114-6119  | 2.4  | 65  |

|     |   |     |    |
|-----|---|-----|----|
| 152 | Solvent-free three component Strecker reaction of ketones using highly recyclable and hydrophobic sulfonic acid based nanoreactors. <i>Journal of Materials Chemistry</i> , <b>2009</b> , 19, 8665  |     | 65 |
| 151 | Periodic mesoporous organosilica functionalized sulfonic acids as highly efficient and recyclable catalysts in biodiesel production. <i>Catalysis Science and Technology</i> , <b>2012</b> , 2, 828   | 5.5 | 64 |
| 150 | Gold nanoparticles supported on Cs <sub>2</sub> CO <sub>3</sub> as recyclable catalyst system for selective aerobic oxidation of alcohols at room temperature. <i>Chemical Communications</i> , <b>2009</b> , 5555-7  | 5.8 | 64 |
| 149 | Sulphanilic acid as a recyclable bifunctional organocatalyst in the selective conversion of lignocellulosic biomass to 5-HMF. <i>Green Chemistry</i> , <b>2016</b> , 18, 2282-2286  | 10  | 63 |
| 148 | Synthesis and characterization of magnetic copper ferrite nanoparticles and their catalytic performance in one-pot odorless carbon-sulfur bond formation reactions. <i>Journal of Molecular Catalysis A</i> , <b>2014</b> , 386, 20-27  |     | 62 |
| 147 | Zirconium Tetrachloride (ZrCl <sub>4</sub> ) Catalyzed Highly Chemoselective and Efficient Acetalization of Carbonyl Compounds. <i>Synlett</i> , <b>1999</b> , 1999, 321-323  | 2.2 | 61 |
| 146 | Periodic mesoporous organosilica with ionic liquid framework as a novel fiber coating for headspace solid-phase microextraction of polycyclic aromatic hydrocarbons. <i>Analytica Chimica Acta</i> , <b>2013</b> , 804, 280-6   | 6.6 | 60 |
| 145 | Self-assembled organic-inorganic hybrid silica with ionic liquid framework: a novel support for the catalytic enantioselective Strecker reaction of imines using Yb(OTf) <sub>3</sub> -pybox catalyst. <i>Chemical Communications</i> , <b>2010</b> , 46, 6947-9              | 5.8 | 60 |
| 144 | Palladium-Containing Ionic Liquid-Based Ordered Mesoporous Organosilica: An Efficient and Reusable Catalyst for the Heck Reaction. <i>ChemCatChem</i> , <b>2013</b> , 5, 2418-2424  | 5.2 | 59 |
| 143 | Nitrogen Ligand Complexes of Metal Chlorides as Effective Catalysts for the Highly Regio- and Chemoselective Silylation of Hydroxyl Groups with Hexamethyldisilazane (HMDS) at Room Temperature. <i>Synthetic Communications</i> , <b>1997</b> , 27, 2709-2719                | 1.7 | 58 |
| 142 | Highly Efficient Aerobic Oxidation of Alcohols Using a Recoverable Catalyst: The Role of Mesoporous Channels of SBA-15 in Stabilizing Palladium Nanoparticles. <i>Angewandte Chemie</i> , <b>2006</b> , 118, 4894-4897  | 3.6 | 58 |
| 141 | Lithium triflate (LiOTf) catalyzed efficient and chemoselective tetrahydropyranylation of alcohols and phenols under mild and neutral reaction conditions. <i>Tetrahedron Letters</i> , <b>2002</b> , 43, 5353-5355   | 2   | 58 |
| 140 | Highly Efficient Transdithioacetalization of Acetals Catalyzed by Silica Chloride. <i>Synlett</i> , <b>2000</b> , 2000, 263-265   |     | 58 |
| 139 | Green, Transition-Metal-Free Aerobic Oxidation of Alcohols Using a Highly Durable Supported Organocatalyst. <i>Angewandte Chemie</i> , <b>2007</b> , 119, 7348-7351   | 3.6 | 57 |
| 138 | Fe <sub>3</sub> O <sub>4</sub> @SiO <sub>2</sub> ∥EMPO as a Magnetically Recyclable Catalyst for Highly Selective Aerobic Oxidation of 5-Hydroxymethylfurfural into 2,5-Diformylfuran under Metal- and Halogen-Free Conditions. <i>ChemCatChem</i> , <b>2014</b> , 6, 758-762 | 5.2 | 54 |
| 137 | Hydrophobicity-enhanced magnetic solid sulfonic acid: A simple approach to improve the mass transfer of reaction partners on the surface of the heterogeneous catalyst in water-generating reactions. <i>Applied Catalysis A: General</i> , <b>2014</b> , 472, 123-133        | 5.1 | 53 |
| 136 | A silica supported cobalt (II) Salen complex as efficient and reusable catalyst for the selective aerobic oxidation of ethyl benzene derivatives. <i>Catalysis Communications</i> , <b>2011</b> , 12, 510-513   | 3.2 | 53 |
| 135 | N-Bromosuccinimide (NBS), a Novel and Highly Effective Catalyst for Acetylation of Alcohols under Mild Reaction Conditions. <i>Synlett</i> , <b>2001</b> , 2001, 0519-0520  | 2.2 | 53 |

|     |   |     |    |
|-----|---|-----|----|
| 134 | Ionic liquid-based ordered mesoporous organosilica-supported copper as a novel and efficient nanocatalyst for the one-pot synthesis of Biginelli products. <i>Microporous and Mesoporous Materials</i> , <b>2015</b> , 204, 269-275                         | 5.3 | 52 |
| 133 | Magnetic solid sulfonic acid decorated with hydrophobic regulators: a combinatorial and magnetically separable catalyst for the synthesis of $\beta$ -aminonitriles. <i>ACS Combinatorial Science</i> , <b>2014</b> , 16, 352-8                             | 3.9 | 52 |
| 132 | Reactions of silica chloride (SiO(2)Cl)/DMSO, a heterogeneous system for the facile regeneration of carbonyl compounds from thioacetals and ring-expansion annelation of cyclic thioacetals. <i>Journal of Organic Chemistry</i> , <b>2002</b> , 67, 2572-6 | 4.2 | 51 |
| 131 | A nano-fibrillated mesoporous carbon as an effective support for palladium nanoparticles in the aerobic oxidation of alcohols "on pure water". <i>Chemistry - A European Journal</i> , <b>2012</b> , 18, 8634-40  | 4.8 | 50 |
| 130 | Eco-friendly electrocatalytic oxidation of alcohols on a novel electro generated TEMPO-functionalized MCM-41 modified electrode. <i>Green Chemistry</i> , <b>2015</b> , 17, 991-1000  | 10  | 49 |
| 129 | Gold Nanoparticles Supported on the Periodic Mesoporous Organosilicas as Efficient and Reusable Catalyst for Room Temperature Aerobic Oxidation of Alcohols. <i>Advanced Synthesis and Catalysis</i> , <b>2012</b> , 354, 1319-1326                         | 5.6 | 49 |
| 128 | Tungsten Hexachloride (WCl <sub>6</sub> ) as an Efficient Catalyst for Chemoselective Dithioacetalization of Carbonyl Compounds and Transthioacetalization of Acetals. <i>Synlett</i> , <b>1998</b> , 1998, 739-740   | 2.2 | 49 |
| 127 | SBA-15-functionalized palladium complex partially confined with ionic liquid: an efficient and reusable catalyst system for aqueous-phase Suzuki reaction. <i>Organic and Biomolecular Chemistry</i> , <b>2012</b> , 10, 4531-6                             | 3.9 | 48 |
| 126 | Novel Ordered Mesoporous Carbon Based Sulfonic Acid as an Efficient Catalyst in the Selective Dehydration of Fructose into 5-HMF: the Role of Solvent and Surface Chemistry. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 19050-9       | 9.5 | 47 |
| 125 | Mechanistic Study of the Electrocatalytic Oxidation of Alcohols by TEMPO and NHPI. <i>ChemElectroChem</i> , <b>2014</b> , 1, 455-462  | 4.3 | 47 |
| 124 | Silica functionalized sulfonic acid as a recyclable interphase catalyst for chemoselective thioacetalization of carbonyl compounds in water. <i>Journal of Molecular Catalysis A</i> , <b>2007</b> , 271, 75-79   |     | 46 |
| 123 | The selective aerobic oxidation of methylaromatics to benzaldehydes using a unique combination of two heterogeneous catalysts. <i>Organic and Biomolecular Chemistry</i> , <b>2005</b> , 3, 725-6   | 3.9 | 46 |
| 122 | Efficient and Chemoselective Conversion of Carbonyl Compounds to 1,3-Dioxanes Catalyzed with N-Bromosuccinimide under Almost Neutral Reaction Conditions. <i>Organic Letters</i> , <b>1999</b> , 1, 1737-1739   | 6.2 | 46 |
| 121 | Tungstate Supported on Periodic Mesoporous Organosilica with Imidazolium Framework as an Efficient and Recyclable Catalyst for the Selective Oxidation of Sulfides. <i>ChemPlusChem</i> , <b>2015</b> , 80, 990-999   | 2.8 | 45 |
| 120 | Efficient aerobic oxidation of alcohols using a novel combination N-hydroxy phthalimide (NHPI) and a recyclable heterogeneous cobalt complex. <i>Journal of Molecular Catalysis A</i> , <b>2005</b> , 232, 95-99  |     | 45 |
| 119 | Iodine-Catalyzed, Efficient and Mild Procedure for Highly Chemoselective Acetalization of Carbonyl Compounds under Neutral Aprotic Conditions. <i>Synthesis</i> , <b>2002</b> , 2002, 784-788   | 2.9 | 45 |
| 118 | Trimethylchlorosilane (TMSCl) and Cyanuric Chloride (CC) Catalyzed Efficient $\alpha$ -Oxidative Coupling of Thiols with Dimethylsulfoxide. <i>Synthesis</i> , <b>2002</b> , 2002, 2513-2516  | 2.9 | 44 |
| 117 | The influence of hydrophobic/hydrophilic balance of the mesoporous solid acid catalysts in the selective dehydration of fructose into HMF. <i>RSC Advances</i> , <b>2013</b> , 3, 20655   | 3.7 | 43 |

|     |   |     |    |
|-----|---|-----|----|
| 116 | N-Bromosuccinimide (NBS) as a Powerful and Chemoselective Catalyst for Acetalization of Carbonyl Compounds under almost Neutral Reaction Conditions. <i>Synlett</i> , <b>1999</b> , 1999, 1456-1458   | 2.2 | 43 |
| 115 | Periodic mesoporous organosilica with ionic-liquid framework supported manganese: an efficient and recyclable nanocatalyst for the unsymmetric Hantzsch reaction. <i>RSC Advances</i> , <b>2015</b> , 5, 13087-13094  | 3.7 | 42 |
| 114 | Lithium trifluoromethanesulfonate (LiOTf) as a highly efficient catalyst for chemoselective dithioacetalization of carbonyl compounds under neutral and solvent-free conditions. <i>Tetrahedron Letters</i> , <b>1999</b> , 40, 4055-4058                           | 2   | 39 |
| 113 | Palladium on Ionic Liquid Derived Nanofibrillated Mesoporous Carbon: A Recyclable Catalyst for the Ullmann Homocoupling Reactions of Aryl Halides in Water. <i>ChemCatChem</i> , <b>2014</b> , 6, 745-748   | 5.2 | 38 |
| 112 | Electrochemical Alcohol Oxidation Mediated by TEMPO-like Nitroxyl Radicals. <i>ChemistryOpen</i> , <b>2017</b> , 6, 5-10  | 2.3 | 37 |
| 111 | A Highly Water-Dispersible/Magnetically Separable Palladium Catalyst: Selective Transfer Hydrogenation or Direct Reductive N-Formylation of Nitroarenes in Water. <i>ChemPlusChem</i> , <b>2015</b> , 80, 1750-1759   | 2.8 | 37 |
| 110 | Recent Application of Polymer Supported Metal Nanoparticles in Heck, Suzuki and Sonogashira Coupling Reactions. <i>Current Organic Synthesis</i> , <b>2010</b> , 7, 543-567   | 1.9 | 37 |
| 109 | A high loading sulfonic acid-functionalized ordered nanoporous silica as an efficient and recyclable catalyst for chemoselective deprotection of tert-butyldimethylsilyl ethers. <i>Tetrahedron Letters</i> , <b>2005</b> , 46, 4661-4665                           | 2   | 37 |
| 108 | Zirconium Tetrachloride (ZrCl <sub>4</sub> ) Catalyzed Highly Chemoselective and Efficient Transthoacetalization of Acetals. <i>Synlett</i> , <b>1999</b> , 1999, 319-320   | 2.2 | 37 |
| 107 | 2,3-Dichloro-5,6-dicyano-p-benzoquinone (DDQ) as a Highly Efficient and Mild Catalyst for Diethyl Acetalization of Carbonyl Compounds. <i>Chemistry Letters</i> , <b>1999</b> , 28, 1199-1200   | 1.7 | 37 |
| 106 | Synthesis of Sulfonic Acid Containing Ionic-Liquid-Based Periodic Mesoporous Organosilica and Study of Its Catalytic Performance in the Esterification of Carboxylic Acids. <i>ChemPlusChem</i> , <b>2014</b> , 79, 1147-1152                                       | 2.8 | 36 |
| 105 | One-pot synthesis of $\alpha$ -aminonitriles using a highly efficient and recyclable silica-based scandium (III) interphase catalyst. <i>Journal of Organometallic Chemistry</i> , <b>2008</b> , 693, 2967-2970   | 2.3 | 36 |
| 104 | Ultrasmall Platinum Nanoparticles Supported Inside the Nanospaces of Periodic Mesoporous Organosilica with an Imidazolium Network: An Efficient Catalyst for the Aerobic Oxidation of Unactivated Alcohols in Water. <i>ChemCatChem</i> , <b>2016</b> , 8, 906-910  | 5.2 | 36 |
| 103 | Au-Pd bimetallic nanoparticles supported on a high nitrogen-rich ordered mesoporous carbon as an efficient catalyst for room temperature Ullmann coupling of aryl chlorides in aqueous media. <i>Chemical Communications</i> , <b>2018</b> , 54, 7155-7158          | 5.8 | 35 |
| 102 | Efficient Deoxygenation of Sulfoxides to Thioethers and Reductive Coupling of Sulfonyl Chlorides to Disulfides with Tungsten Hexachloride. <i>Synthesis</i> , <b>1999</b> , 1999, 500-502   | 2.9 | 34 |
| 101 | SBA-15 functionalized sulfonic acid containing a confined hydrophobic and acidic ionic liquid: a highly efficient catalyst for solvent-free thioacetalization of carbonyl compounds at room temperature. <i>RSC Advances</i> , <b>2013</b> , 3, 23207               | 3.7 | 32 |
| 100 | Amorphous TiO <sub>2</sub> coated into periodic mesoporous organosilicate channels as a new binary photocatalyst for regeneration of carbonyl compounds from oximes under sunlight irradiation. <i>Organic and Biomolecular Chemistry</i> , <b>2013</b> , 11, 416-9 | 3.9 | 32 |
| 99  | Scandium trifluoromethanesulfonate as a recyclable catalyst for efficient methoxymethylation of alcohols. <i>Tetrahedron Letters</i> , <b>2003</b> , 44, 6051-6053  | 2   | 32 |



|    |  |     |    |
|----|--|-----|----|
| 98 | A facile synthesis of new 3-(2-benzimidazolyl)-2-alkyl-4-(3H)-quinazolinones under microwave irradiation. <i>Tetrahedron</i> , <b>2003</b> , 59, 4757-4760   | 2.4 | 32 |
| 97 | Efficient Aerobic Oxidation of Acetals to Esters Catalyzed by N-Hydroxy phthalimide (NHPI) and Co(II) under Mild Conditions. <i>Synthesis</i> , <b>2003</b> , 2003, 2373-2377  | 2.9 | 31 |
| 96 | Recent Progress in Design and Application of Functional Ordered/Periodic Mesoporous Silicas (OMSs) and Organosilicas (PMOs) as Catalyst Support in Carbon-Carbon Coupling Reactions. <i>Current Organic Chemistry</i> , <b>2015</b> , 20, 349-380  | 1.7 | 31 |
| 95 | Immobilization, stability and enzymatic activity of albumin and trypsin adsorbed onto nanostructured mesoporous SBA-15 with compatible pore sizes. <i>RSC Advances</i> , <b>2014</b> , 4, 4387-4394  | 3.7 | 30 |
| 94 | Catalytic asymmetric Strecker hydrocyanation of imines using Yb(OTf) <sub>3</sub> -pybox catalysts. <i>Chemical Communications</i> , <b>2009</b> , 5180-2  | 5.8 | 30 |
| 93 | Propylsulfonic acid-anchored isocyanurate-based periodic mesoporous organosilica (PMO-ICS-Pr-SOH): A new and highly efficient recoverable nanoporous catalyst for the one-pot synthesis of bis(indolyl)methane derivatives. <i>Journal of Colloid and Interface Science</i> , <b>2017</b> , 505, 956-963 | 9.3 | 29 |
| 92 | Improving the Selectivity toward Three-Component Biginelli versus Hantzsch Reactions by Controlling the Catalyst Hydrophobic/Hydrophilic Surface Balance. <i>ChemCatChem</i> , <b>2014</b> , 6, 212-219  | 5.2 | 29 |
| 91 | Recent advances in the homogeneous palladium-catalyzed aerobic oxidation of alcohols. <i>Journal of the Iranian Chemical Society</i> , <b>2008</b> , 5, S1-S20   | 2   | 29 |
| 90 | Rapid, Efficient and Chemoselective Deoxygenation of Sulfoxides to Thioethers Using NaBH <sub>4</sub> /I <sub>2</sub> . <i>Synthesis</i> , <b>2003</b> , 2003, 0335-0336   | 2.9 | 29 |
| 89 | SBA-15-functionalized 3-oxo-ABNO as recyclable catalyst for aerobic oxidation of alcohols under metal-free conditions. <i>ChemSusChem</i> , <b>2014</b> , 7, 2735-41   | 8.3 | 28 |
| 88 | One-Pot Preparation of Propargylamines Catalyzed by Heterogeneous Copper Catalyst Supported on Periodic Mesoporous Organosilica with Ionic Liquid Framework. <i>ChemPlusChem</i> , <b>2015</b> , 80, 1573-1579   | 2.8 | 27 |
| 87 | N-Bromosuccinimide and Iodine Catalyzed Highly Efficient Deoxygenation of Sulfoxides to Thioethers Using 3-Mercaptopropionic Acid under Mild Reaction Conditions. <i>Synthesis</i> , <b>2003</b> , 2003, 1875-1877   | 2.9 | 27 |
| 86 | Electrochemical performance of a novel ionic liquid derived mesoporous carbon. <i>Chemical Communications</i> , <b>2012</b> , 48, 2776-8   | 5.8 | 26 |
| 85 | Selective, metal-free oxidation of sulfides to sulfoxides Using 30% hydrogen peroxide catalyzed with N-bromosuccinimide (NBS) under neutral buffered reaction conditions. <i>Journal of the Iranian Chemical Society</i> , <b>2008</b> , 5, S103-S107  | 2   | 26 |
| 84 | New Applications of 2,4,6-Trichloro-1,3,5-triazine (TT) in Synthesis: Highly Efficient and Chemoselective Deprotection and Ring-Enlargement of Dithioacetals and Oxathioacetals. <i>Synthesis</i> , <b>2003</b> , 2003, 2547-2551  | 2.9 | 26 |
| 83 | HIGHLY EFFICIENT AND CHEMOSELECTIVE CONVERSION OF ALDEHYDES TO ACYLS CATALYZED WITH TUNGSTEN HEXACHLORIDE (WCl <sub>6</sub> ). <i>Synthetic Communications</i> , <b>2002</b> , 32, 669-673   | 1.7 | 26 |
| 82 | Fabrication of a nonenzymatic glucose sensor using Pd-nanoparticles decorated ionic liquid derived fibrillated mesoporous carbon. <i>Materials Science and Engineering C</i> , <b>2015</b> , 52, 219-24  | 8.3 | 25 |
| 81 | Highly chemoselective acetalization of carbonyl compounds catalyzed by a novel recyclable ammonium triflate-functionalized silica. <i>Journal of Molecular Catalysis A</i> , <b>2007</b> , 277, 262-265  |     | 25 |

- 80 Highly ordered mesoporous organosilica-titania with ionic liquid framework as very efficient nanocatalyst for green oxidation of alcohols. *Journal of Colloid and Interface Science*, **2017**, 500, 212-219<sup>9.3</sup> 24
- 79 Scandium(III) Triflate as an Efficient and Recyclable Catalyst for Chemoselective Conversion of Carbonyl Compounds to 1,3-Oxathiolanes. *Synthesis*, **2003**, 2003, 2503-2506 2.9 24
- 78 N-Iodosuccinimide (NIS) as a mild and highly chemoselective catalyst for deprotection of tert-butyldimethylsilyl ethers. *Tetrahedron Letters*, **2004**, 45, 9139-9141 2 24
- 77 Hexamethyldisilazane (HMDS) Promotes Highly Efficient Oxidative Coupling of Thiols by DMSO Under Nearly Neutral Reaction Conditions. *Synlett*, **2002**, 2002, 0346-0348 2.2 24
- 76 Synergistic catalysis within TEMPO-functionalized periodic mesoporous organosilica with bridge imidazolium groups in the aerobic oxidation of alcohols. *RSC Advances*, **2016**, 6, 63717-63723 3.7 23
- 75 High-performance supercapacitors based on an ionic liquid-derived nanofibrillated mesoporous carbon. *Journal of Solid State Electrochemistry*, **2014**, 18, 2419-2424 2.6 23
- 74 Activity enhancement in cyanation of aryl halides through confinement of ionic liquid in the nanospaces of SBA-15-supported Pd complex. *RSC Advances*, **2014**, 4, 57639-57645 3.7 22
- 73 Hydroquinone functionalized oriented MCM-41 mesochannels at the electrode surface. *Electrochimica Acta*, **2013**, 94, 198-205 6.7 22
- 72 Highly efficient catalytic enantioselective Mannich reaction of malonates with N-tert-butoxycarbonyl imines by using Yb(OTf)<sub>3</sub>/pybox catalysts at room temperature. *Chemistry - A European Journal*, **2013**, 19, 10142-5 4.8 22
- 71 Sulfonic acid-functionalized periodic mesoporous organosilicas in esterification and selective acylation reactions. *Catalysis Science and Technology*, **2015**, 5, 3624-3631 5.5 21
- 70 Iron(III) Amine Bis(phenolate) Complex Immobilized on Silica-Coated Magnetic Nanoparticles: A Highly Efficient Catalyst for the Oxidation of Alcohols and Sulfides. *ChemCatChem*, **2018**, 10, 1889-1899<sup>5.2</sup> 21
- 69 Polyaniline/ionic liquid derived ordered mesoporous carbon nanocomposite: synthesis and supercapacitive behavior. *RSC Advances*, **2015**, 5, 69032-69041 3.7 20
- 68 Propylsulfonic Acid-Anchored Isocyanurate-Based Periodic Mesoporous Organosilica (PMO-ICS-PrSO<sub>3</sub>H): A Highly Efficient and Recoverable Nanoporous Catalyst for the One-Pot Synthesis of Substituted Polyhydroquinolines. *Catalysis Letters*, **2017**, 147, 2656-2663 2.8 20
- 67 Control of plugging in bifunctional periodic mesoporous organosilica with imidazolium framework (BFPMO) via stepwise addition of silica precursors. *Journal of Materials Chemistry A*, **2015**, 3, 6575-6585<sup>13</sup> 19
- 66 N-Bromosuccinimide (NBS) Catalyzed Highly Chemoselective Acetalization of Carbonyl Compounds Using Silylated Diols and Pentaerythritol under Neutral Aprotic Conditions. *Synthesis*, **2005**, 2005, 279-285<sup>2.9</sup> 19
- 65 An improved protocol for aerobic oxidation of acetals to esters catalyzed by N-hydroxy phthalimide (NHPI) and lipophilic Co(II) complexes. *Journal of Molecular Catalysis A*, **2005**, 226, 165-169 18
- 64 Tungsten Hexachloride (WCl<sub>6</sub>), A Highly Efficient and Chemoselective Catalyst for Acetalization of Carbonyl Compounds. *Synthetic Communications*, **1999**, 29, 2255-2263 1.7 18
- 63 Selective and green oxidation of sulfides in water using a new iron(III) bis(phenol) amine complex supported on functionalized graphene oxide. *Synthetic Metals*, **2017**, 233, 63-73 3.6 17



|    |  |     |    |
|----|--|-----|----|
| 62 | Imidazolyl-Functionalized Ordered Mesoporous Polymer from Nanocasting as an Effective Support for Highly Dispersed Palladium Nanoparticles in the Heck Reaction. <i>ChemCatChem</i> , <b>2016</b> , 8, 2508-2515   | 5.2 | 17 |
| 61 | N-Heterocyclic Carbene-Pd Polymers as Reusable Precatalysts for Cyanation and Ullmann Homocoupling of Aryl Halides: The Role of Solvent in Product Distribution. <i>ChemCatChem</i> , <b>2015</b> , 7, 2248-2254   | 5.2 | 17 |
| 60 | Highly efficient and chemoselective interchange of 1,3-oxathioacetals and dithioacetals to acetals promoted by N-halosuccinimide. <i>Tetrahedron</i> , <b>2002</b> , 58, 4513-4516   | 2.4 | 17 |
| 59 | Neutral Lithium Triflate (LiOTf) Efficiently Catalyzes Chemoselective Preparations of Cyclic and Acyclic Dithioacetals from Carbonyl Compounds, Acylals, and O,O-Cyclic and Open-Chain Acetals under Solvent-Free Conditions. <i>Bulletin of the Chemical Society of Japan</i> , <b>2001</b> , 74, 2401-2406 | 5.1 | 17 |
| 58 | TEMPO-mediated aerobic oxidation of alcohols using copper(II) complex of bis(phenol) di-amine ligand as biomimetic model for Galactose oxidase enzyme. <i>Polyhedron</i> , <b>2016</b> , 106, 153-162  | 2.7 | 16 |
| 57 | Periodic mesoporous silica chloride (PMSCl) as an efficient and recyclable catalyst for the Pechmann reaction. <i>Catalysis Communications</i> , <b>2011</b> , 12, 1432-1436   | 3.2 | 16 |
| 56 | Ethylenediamine-modified oriented MCM-41 at the electrode surface, cobalt adsorption ability and electrochemical performance. <i>Dalton Transactions</i> , <b>2014</b> , 43, 4901-8  | 4.3 | 15 |
| 55 | Electrochemical fabrication of electroactive ordered mesoporous electrode. <i>Analyst, The</i> , <b>2013</b> , 138, 1740-4   | 5   | 15 |
| 54 | Efficient Solvent-free Oxidation of Benzylic and Aromatic Allylic Alcohols and Biaryl Acyloins by Manganese Dioxide and Barium Manganate. <i>Journal of Chemical Research Synopses</i> , <b>1999</b> , 236-237   |     | 15 |
| 53 | Novel method for efficient aerobic oxidation of silyl ethers to carbonyl compounds catalyzed with N-hydroxyphthalimide (NHPI) and lipophilic Co(II) complexes. <i>Organic Letters</i> , <b>2004</b> , 6, 2841-4  | 6.2 | 14 |
| 52 | Tungsten Hexachloride (WCl <sub>6</sub> ) in the Presence of Dimethylsulfoxide Promoted Facile and Efficient One-Pot Ring Expansion-Chlorination Reactions of 1,3-Dithiolanes and 1,3-Dithianes. <i>Synlett</i> , <b>1999</b> , 1999, 413-414  | 2.2 | 14 |
| 51 | Imidazolium-based mesoporous organosilicas with bridging organic groups for microextraction by packed sorbent of phenoxy acid herbicides, polycyclic aromatic hydrocarbons and chlorophenols. <i>Mikrochimica Acta</i> , <b>2019</b> , 186, 239  | 5.8 | 13 |
| 50 | Aerobic Oxidation of Alcohols Catalyzed by Generated Gold Nanoparticles inside the Channels of Periodic Mesoporous Organosilica with Ionic Liquid Framework. <i>ACS Combinatorial Science</i> , <b>2020</b> , 22, 70-79  | 3.9 | 13 |
| 49 | Aerobic Oxidative Dehydrogenation of Amines Catalyzed by a Recoverable Ruthenium Catalyst under Mild Reaction Conditions. <i>ChemCatChem</i> , <b>2018</b> , 10, 1783-1787   | 5.2 | 13 |
| 48 | Highly Efficient Oxidative Coupling of Thiols by Active Manganese Dioxide (AMD) and Barium Manganate (BM) Under Solvent-Free Conditions at Room Temperature. <i>Synthetic Communications</i> , <b>1999</b> , 29, 2527-2531   | 1.7 | 13 |
| 47 | Nanopalladium on Magnetic Ionic Nanoparticle Network (MINN) as an Efficient and Recyclable Catalyst with High Ionic Density and Dispersibility. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 3811-3823  | 8.3 | 13 |
| 46 | Novel Periodic Mesoporous Silica Chlorides (PMSCl) with 2D P6mm Hexagonal Structures: Efficient Catalysts for the Beckmann Rearrangement. <i>Synlett</i> , <b>2010</b> , 2010, 2019-2023   | 2.2 | 12 |
| 45 | N-Bromosuccinimide as an Almost Neutral Catalyst for Efficient Synthesis of Dihydropyrimidinones Under Microwave Irradiation. <i>Synthesis</i> , <b>2004</b> , 2004, 1239-1242   | 2.9 | 12 |

|    |  |     |    |
|----|--|-----|----|
| 44 | New Stable Catalytic Electrodes Functionalized with TEMPO for the Waste-Free Oxidation of Alcohol. <i>Organic Process Research and Development</i> , <b>2018</b> , 22, 1298-1305   | 3.9 | 11 |
| 43 | Ionic liquid-derived nano-fibrillated mesoporous carbon based on solid-phase microextraction fiber for the analysis of volatile organic compounds from aqueous solutions. <i>New Journal of Chemistry</i> , <b>2015</b> , 39, 6085-6091  | 3.6 | 11 |
| 42 | Silica Chloride (SiO <sub>2</sub> -Cl) and Trimethylsilyl Chloride (TMSCl) Promote Facile and Efficient Dehydration of Tertiary Alcohols. <i>Synthetic Communications</i> , <b>2003</b> , 33, 3653-3660  | 1.7 | 11 |
| 41 | Efficient Reductive Deoxygenation by Tungsten(VI) Chloride (WCl <sub>6</sub> ) or Molybdenum(V) Chloride (MoCl <sub>5</sub> ) in the Presence of Zn Powder in CH <sub>3</sub> CN. <i>Bulletin of the Chemical Society of Japan</i> , <b>2002</b> , 75, 1765-1764 <sup>11</sup>                                     | 5.1 | 11 |
| 40 | Graphitized Nitrogen-Doped Ordered Mesoporous Carbon Derived from Ionic Liquid; Catalytic Performance Toward ORR. <i>Electrocatalysis</i> , <b>2018</b> , 9, 632-639   | 2.7 | 10 |
| 39 | Electrochemical Behavior of Glucose Oxidase Immobilized on Pd-Nanoparticles Decorated Ionic Liquid Derived Fibrillated Mesoporous Carbon. <i>Electroanalysis</i> , <b>2014</b> , 26, 2010-2016   | 3   | 10 |
| 38 | Silica Chloride Nano Particle Catalyzed Ring Opening of Epoxides by Aromatic Amines. <i>Chinese Journal of Chemistry</i> , <b>2011</b> , 29, 955-958   | 4.9 | 10 |
| 37 | Manganese dioxide nanoparticles incorporated within ionic liquid derived fibrillated mesoporous carbon: electrode material for high-performance supercapacitors. <i>RSC Advances</i> , <b>2015</b> , 5, 84840-84848  | 3.7 | 9  |
| 36 | Guanine/Ionic Liquid Derived Ordered Mesoporous Carbon Decorated with AuNPs as Efficient NADH Biosensor and Suitable Platform for Enzymes Immobilization and Biofuel Cell Design. <i>Electroanalysis</i> , <b>2017</b> , 29, 2646-2655   | 3   | 9  |
| 35 | Synergistic catalysis within core-shell FeO@SiO functionalized with triethylene glycol (TEG)-imidazolium ionic liquid and tetramethylpiperidine N-oxyl (TEMPO) boosting selective aerobic oxidation of alcohols. <i>Journal of Colloid and Interface Science</i> , <b>2021</b> , 589, 474-485                      | 9.3 | 9  |
| 34 | A supported manganese complex with amine-bis(phenol) ligand for catalytic benzylic C(sp <sup>3</sup> )-H bond oxidation.. <i>RSC Advances</i> , <b>2019</b> , 9, 14343-14351   | 3.7 | 8  |
| 33 | Stabilization of 4-phenylurazole by electrografting on a nano-fibrillated mesoporous carbon modified electrode. Reactivity of anchored triazolinedione groups against Michael-type addition at electrode/electrolyte interface. <i>Electrochimica Acta</i> , <b>2018</b> , 269, 312-320                            | 6.7 | 8  |
| 32 | Tungsten Hexachloride (WCl <sub>6</sub> ) as a Mild and Efficient Reagent for Deprotection of Acetals and Ketals. <i>Journal of Chemical Research Synopses</i> , <b>1998</b> , 664-665   |     | 8  |
| 31 | Aluminum Chloride (AlCl <sub>3</sub> ) Promotes Selective Oxidative Deprotection of Benzylic Trimethylsilyl and Tert- Butyldimethylsilyl Ethers to the Corresponding Carbonyl Compounds with Manganese Dioxide (MnO <sub>2</sub> ). <i>Synthetic Communications</i> , <b>1999</b> , 29, 4333-4339                  | 1.7 | 8  |
| 30 | Determination and analysis of volatile components from <i>Thymus kotschyanus</i> Boiss with a new solid-phase microextraction fibre and microwave-assisted hydrodistillation by periodic mesoporous organosilica based on alkylimidazolium ionic liquid. <i>Phytochemical Analysis</i> , <b>2019</b> , 30, 193-197 | 3.4 | 8  |
| 29 | Silica Chloride Nano Particle Catalyzed Synthesis of 2,2'-(arylmethylene)bis(5,5-dimethylcyclohexane-1,3-dione) Derivatives. <i>Croatica Chemica Acta</i> , 111-115  | 0.8 | 7  |
| 28 | Switching from Ethylene Trimerization to Ethylene Polymerization by Chromium Catalysts Bearing SNS Tridentate Ligands: Process Optimization Using Response Surface Methodology. <i>Catalysis Letters</i> , <b>2018</b> , 148, 3685-3700  | 2.8 | 7  |
| 27 | Green and Direct Synthesis of Benzaldehyde and Benzyl Benzoate in One Pot. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2018</b> , 6, 15441-15446   | 8.3 | 7  |

|    |   |      |   |
|----|---|------|---|
| 26 | Ionic Liquid-Based Periodic Mesoporous Organosilica: An Innovative Matrix for Enzyme Immobilization. <i>ChemistrySelect</i> , <b>2017</b> , 2, 9953-9957  | 1.8  | 6 |
| 25 | MOLYBDENUM PENTACHLORIDE (MoCl <sub>5</sub> ) CATALYZES EFFICIENT DITHIOACETALIZATION OF CARBONYL COMPOUNDS AND TRANS-DITHIOACETALIZATION OF O, O-ACETALS. THIS CATALYST ALSO CONDUCTS EFFICIENT NON-HYDROLYTIC DEPROTECTION OF DITHIOACETALS IN THE PRESENCE OF POLYMER-SUPPORTED PHENOLIC SILICA. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , <b>2001</b> , 169, 141-151 | 1    | 6 |
| 24 | A STUDY OF OXIDATIVE DEPROTECTION OF TRIMETHYLSILYL (TMS) AND TERT-BUTYLDIMETHYLSILYL (TBDMS) ETHERS OF ALCOHOLS WITH POTASSIUM PERMANGANATE (KMnO <sub>4</sub> ) AND BARIUM MANGANATE (BaMnO <sub>4</sub> ) IN THE PRESENCE OF LEWIS ACIDS IN DRY ORGANIC SOLVENTS. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , <b>1999</b> , 152, 141-151                                | 1    | 6 |
| 23 | Robust non-covalent and covalent anchored N,N,N',N'-tetramethyl-p-phenylenediamine derivative on electrode surface via spontaneous physical immobilization and in situ generated aryl diazonium ion electro-grafting: implication for on-surface chemistry and electro-catalytic determinations. <i>Journal of Electroanalytical Chemistry</i> , <b>2008</b> , 664, 104-111                     | 5    | 6 |
| 22 | Palladium supported on a novel ordered mesoporous polypyrrole/carbon nanocomposite as a powerful heterogeneous catalyst for the aerobic oxidation of alcohols to carboxylic acids and ketones on water.. <i>RSC Advances</i> , <b>2020</b> , 10, 13616-13631  | 3.7  | 5 |
| 21 | Asymmetric Mannich Reaction of Malonates with Aldimines Using YbIII-Pybox Complexes Supported on Self-Assembled Organic-Inorganic Hybrid Silica with an Imidazolium Framework. <i>European Journal of Organic Chemistry</i> , <b>2014</b> , 2014, 7253-7258   | 3.2  | 5 |
| 20 | One-Pot Oxidative Passerini Reaction of Alcohols Using a Magnetically Recyclable TEMPO under Metal- and Halogen-Free Conditions. <i>Advanced Synthesis and Catalysis</i> , <b>2013</b> , 355, n/a-n/a   | 5.6  | 5 |
| 19 | Silica Chloride (SiO <sub>2</sub> -Cl), a New Heterogeneous Reagent, for the Selective and Efficient Conversion of Benzylic Alcohols to Their Corresponding Chlorides and Iodides. <i>Synthetic Communications</i> , <b>2003</b> , 33, 3671-3677  | 1.7  | 5 |
| 18 | EFFICIENT AND CHEMOSELECTIVE PROTECTION OF ALCOHOLS AND PHENOLS WITH Tert-BUTYLDIMETHYLCHLOROSILANE (TBDMCS) UNDER SOLVENT-FREE CONDITIONS. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , <b>1998</b> , 143, 45-51   | 1    | 5 |
| 17 | Periodic mesoporous organosilicas (PMOs): From synthesis strategies to applications. <i>Progress in Materials Science</i> , <b>2021</b> , 125, 100896   | 42.2 | 5 |
| 16 | An Amphiphilic Mesoporous Polymer Comprising a Built-in Imidazolium Ionic Liquid via Nanocasting Method as a Novel Catalyst Support with Combined Prospects. <i>ChemistrySelect</i> , <b>2019</b> , 4, 347-356  | 1.8  | 4 |
| 15 | A Novel Copper Complex of Proline-Based Mono(phenol) Amine Ligand (Hlpro) Immobilized in SBA-15 as a Model Catalyst of Galactose Oxidase. <i>ChemistrySelect</i> , <b>2017</b> , 2, 11164-11171   | 1.8  | 4 |
| 14 | Oxygenation of sulfides catalysed by SBA-15-immobilized molybdenum(VI) complex of a bis(phenol) diamine ligand using aqueous hydrogen peroxide as a green oxidant. <i>Applied Organometallic Chemistry</i> , <b>2018</b> , 32, e4304  | 3.1  | 3 |
| 13 | TRIMETHYLCHLOROSILANE (TMCS) CATALYZED EFFICIENT REDUCTION OF SULFOXIDES TO THIOETHERS USING 3-MERCAPTOPROPIONIC ACID UNDER MILD REACTION CONDITIONS. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , <b>2004</b> , 179, 77-81   | 1    | 3 |
| 12 | MOLYBDENUM PENTACHLORIDE (MoCl <sub>5</sub> ) PROMOTES EFFICIENT RING-EXPANSION AND RING-EXPANSION-CHLORINATION OF 1,3-DITHIOLANES AND 1,3-DITHIANES IN THE PRESENCE OF DMSO. PART 3I. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , <b>2001</b> , 175, 199-206  | 1    | 3 |
| 11 | Single-atom catalysis: A practically viable technology?. <i>Current Opinion in Green and Sustainable Chemistry</i> , <b>2020</b> , 25, 100358   | 7.9  | 3 |
| 10 | N-Bromosuccinimide (NBS), a Novel and Highly Effective Catalyst for Acetylation of Alcohols under Mild Reaction Conditions.. <i>ChemInform</i> , <b>2010</b> , 32, no-no  |      | 2 |
| 9  | Minimizing the Size of Palladium Nanoparticles Immobilized within the Channels of Ionic Liquid-Derived Magnetically Separable Heteroatom-Doped Mesoporous Carbon for Aerobic Oxidation of Alcohols. <i>ACS Applied Nano Materials</i> , <b>2020</b> , 3, 10612-10627  | 5.6  | 2 |

|   |  |     |   |
|---|--|-----|---|
| 8 | Inside Cover: A Nano-Fibrillated Mesoporous Carbon as an Effective Support for Palladium Nanoparticles in the Aerobic Oxidation of Alcohols in Pure Water[(Chem. Eur. J. 28/2012). <i>Chemistry - A European Journal</i> , <b>2012</b> , 18, 8550-8550 | 4.8 | 1 |
| 7 | Coupling Reactions Induced by Polymer-Supported Catalysts <b>2013</b> , 141-200  |     | 1 |
| 6 | Palladium Catalyzed Reactions of 2-Nitroaniline with Vinyl ethers. <i>E-Journal of Chemistry</i> , <b>2007</b> , 4, 519-522  |     | 1 |
| 5 | Aerobic oxidation and oxidative esterification of alcohols through cooperative catalysis under metal-free conditions. <i>Chemical Communications</i> , <b>2021</b> , 57, 8897-8900   | 5.8 | 1 |
| 4 | Waste-free oxidation of alcohols at the surface of catalytic electrodes: What is required for industrial uptake?. <i>Electrochemical Science Advances</i> , e2100124   |     | 0 |
| 3 | Cubic nanocasted polyaniline-ordered mesoporous carbon composite and its application for enhanced catalytic activity of palladium nanoparticles in the aerobic oxidation of alcohols in water. <i>Molecular Catalysis</i> , <b>2020</b> , 496, 111182  | 3.3 | 0 |
| 2 | Plugged bifunctional periodic mesoporous organosilica as a high-performance solid phase microextraction coating for improving extraction efficiency of chlorophenols in different matrices. <i>Talanta</i> , <b>2021</b> , 235, 122724                 | 6.2 | 0 |
| 1 | Heteroatom-doped carbon materials derived from ionic liquids for catalytic applications <b>2021</b> , 33-72  |     |   |