

# Rajasekhara Reddy

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4221903/publications.pdf>

Version: 2024-02-01

27  
papers

404  
citations

687363

13  
h-index

794594

19  
g-index

28  
all docs

28  
docs citations

28  
times ranked

407  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Synthesis of quinoline acetohydrazone derivatives evaluated as DNA gyrase inhibitors and potent antimicrobial agents. <i>RSC Advances</i> , 2016, 6, 64460-64468.  | 3.6 | 45        |
| 2  | Cu(I) catalyzed dehydrogenative homo coupling of aromatic amines under simple and mild reaction conditions. <i>Catalysis Communications</i> , 2014, 56, 50-54.   | 3.3 | 37        |
| 3  | A remarkable chiral recognition of racemic Mosher's acid salt by naturally derived chiral ionic liquids using <sup>19</sup> F NMR spectroscopy. <i>RSC Advances</i> , 2016, 6, 39758-39761.                            | 3.6 | 35        |
| 4  | Drug repurposing of novel quinoline acetohydrazone derivatives as potent COX-2 inhibitors and anti-cancer agents. <i>Journal of Molecular Structure</i> , 2018, 1154, 437-444.   | 3.6 | 31        |
| 5  | Hydrophobic d-galactose based ionic liquid for the sequestration of Pb <sup>2+</sup> ions from aqueous solution. <i>Journal of Molecular Liquids</i> , 2016, 219, 1172-1178.   | 4.9 | 25        |
| 6  | Drugs Against Neurodegenerative Diseases: Design and Synthesis of 6- <i>Amino</i> -substituted Imidazo[1,2- <i>b</i> ]pyridazines as Acetylcholinesterase Inhibitors. <i>ChemistrySelect</i> , 2017, 2, 842-847.       | 1.5 | 21        |
| 7  | Simplified Procedure for TEMPO-Catalyzed Oxidation: Selective Oxidation of Alcohols, $\alpha$ -Hydroxy Esters, and Amides Using TEMPO and Calcium Hypochlorite. <i>Synthetic Communications</i> , 2012, 42, 3493-3503. | 2.1 | 20        |
| 8  | HDAC and NF- $\kappa$ B mediated cytotoxicity induced by novel N-Chloro $\beta$ -lactams and benzisoxazole derivatives. <i>Chemico-Biological Interactions</i> , 2016, 246, 69-76.                                     | 4.0 | 19        |
| 9  | Copper-catalyzed tandem reaction in ionic liquid: an efficient reusable catalyst and solvent media for the synthesis of fused poly hetero cyclic compounds. <i>RSC Advances</i> , 2016, 6, 62742-62746.                | 3.6 | 18        |
| 10 | A Novel Method for Monitoring the Transesterification Reaction of Oil in Biodiesel Production by Estimation of Glycerol. <i>JAOCS, Journal of the American Oil Chemists' Society</i> , 2010, 87, 747-754.              | 1.9 | 15        |
| 11 | Recent advances in the synthesis of organic chloramines and their insights into health care. <i>New Journal of Chemistry</i> , 2021, 45, 8386-8408.  | 2.8 | 15        |
| 12 | Chemoselective Oxidation of Benzyl, Amino, and Propargyl Alcohols to Aldehydes and Ketones under Mild Reaction Conditions. <i>ChemistryOpen</i> , 2015, 4, 107-110.  | 1.9 | 14        |
| 13 | Natural Sugars Derived Chiral Ionic Liquids for Asymmetric Michael Addition Reaction. <i>ChemistrySelect</i> , 2016, 1, 2341-2343.   | 1.5 | 14        |
| 14 | A Green and Recyclable Copper and Ionic Liquid Catalytic System for the Construction of Polyheterocyclic Compounds via One-pot Tandem Coupling Reaction. <i>ChemistrySelect</i> , 2017, 2, 1196-1201.                  | 1.5 | 14        |
| 15 | Ionic liquid [bmim]Br assisted chemoselective benzylic C H oxidations using <i>t</i> -butyl hydroperoxide. <i>Journal of Molecular Liquids</i> , 2016, 222, 441-445.   | 4.9 | 12        |
| 16 | Naturally derived sugar-based ionic liquids: an emerging tool for sustainable organic synthesis and chiral recognition. <i>New Journal of Chemistry</i> , 2021, 45, 20075-20090.                                       | 2.8 | 10        |
| 17 | A simple and efficient method for mild and selective oxidation of propargylic alcohols using TEMPO and calcium hypochlorite. <i>RSC Advances</i> , 2013, 3, 14929.   | 3.6 | 8         |
| 18 | Antiviral activity of 3-(1-chloropiperidin-4-yl)-6-fluoro benzisoxazole 2 against White spot syndrome virus in Freshwater crab, <i>Paratelphusa hydrodomous</i> . <i>Aquaculture Research</i> , 2016, 47, 2677-2681.   | 1.8 | 8         |

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|----|--|-----|-----------|
| 19 | Zn(II) Chloride Promoted Benzannulation Strategy for One-Pot Regioselective Synthesis of 6-Hydroxybenzo[ <i>c</i> ]chromenes. <i>ChemistrySelect</i> , 2017, 2, 2539-2543.   | 1.5 | 7         |
| 20 | First sonochemical, simple and solvent-free synthesis of chiral <i>tert</i> -butanesulfinimines using silica supported <i>p</i> -toluenesulfonic acid. <i>Synthetic Communications</i> , 2019, 49, 56-64.  | 2.1 | 7         |
| 21 | Imidazopyridazine Acetylcholinesterase Inhibitors Display Potent Anti-Proliferative Effects in the Human Neuroblastoma Cell-Line, IMR-32. <i>Molecules</i> , 2021, 26, 5319.   | 3.8 | 6         |
| 22 | A new outlook in oxidative transformations and coupling reactions via in situ generation of organic chloramines. <i>Applied Organometallic Chemistry</i> , 2022, 36, e6518.  | 3.5 | 6         |
| 23 | Anti-viral activity of methyl 1-chloro-7-methyl-2-propyl-1 <i>h</i> -benzo[ <i>d</i> ]imidazole-5-carboxylate against white spot syndrome virus in freshwater crab ( <i>Paratelphusa hydrodromous</i> ). <i>Aquaculture International</i> , 2022, 30, 989-998. | 2.2 | 6         |
| 24 | Copper-Mediated Relay Strategy Using Chlorination/Oxidation: An Effective Synthesis of Functionalized Coumarin Derivatives. <i>Asian Journal of Organic Chemistry</i> , 2022, 11, .  | 2.7 | 4         |
| 25 | Pd/C and TFA-promoted One-pot, Two-step Cascade Reaction: An Effective Synthesis of Oxepines. <i>Asian Journal of Organic Chemistry</i> , 2021, 10, 3045-3049.   | 2.7 | 3         |
| 26 | A Critical Review on Recent Advances in Base-Assisted Smiles Rearrangement. <i>Current Organic Chemistry</i> , 2022, 26, 1303-1310.  | 1.6 | 2         |
| 27 | Cu-Catalysed tandem reactions for building poly hetero atom heterocycles-green chemistry tool. <i>ChemistrySelect</i> , 2022, .  | 1.5 | 1         |