

# Bolin Chetia

## List of Publications by Year in descending order

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31  
papers

455  
citations

759233

12  
h-index

713466

21  
g-index

31  
all docs

31  
docs citations

31  
times ranked

535  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Sensing and optical activities of new pyrazole containing polymeric analogues. Bulletin of Materials Science, 2022, 45, .  | 1.7 | 2         |
| 2  | A highly active Pd-CuFe <sub>2</sub> O <sub>4</sub> magnetic nanocatalyst for ligand free Suzuki-Miyura coupling reaction. Results in Chemistry, 2021, 3, 100225.  | 2.0 | 0         |
| 3  | Ligand and additive free aerobic synthesis of diynes using Pd <sup>II</sup> -CuFe <sub>2</sub> O <sub>4</sub> magnetic nanoparticles as an efficient reusable catalyst. New Journal of Chemistry, 2020, 44, 18199-18207.                     | 2.8 | 12        |
| 4  | An efficient base and H <sub>2</sub> O free protocol for the synthesis of phenols in water and oxygen using spinel CuFe <sub>2</sub> O <sub>4</sub> magnetic nanoparticles. Journal of Coordination Chemistry, 2020, 73, 1925-1936.          | 2.2 | 5         |
| 5  | Acetylation of alcohols, phenols and amines using waste plant extract. SN Applied Sciences, 2020, 2, 1.  | 2.9 | 3         |
| 6  | Synthesis of ynones at room temperature catalyzed by copper chloride cryptand complex under solvent free conditions. Heliyon, 2019, 5, e02000.   | 3.2 | 1         |
| 7  | A simple, fast and excellent protocol for the synthesis of phenols using $\text{CuFe}_2\text{O}_4$ magnetic nanoparticles. Journal of Chemical Sciences, 2019, 131, 1.   | 1.5 | 5         |
| 8  | Experimental cum theoretical study of cryptand derivative having high selectivity and sensitivity towards Zn ion. Journal of Molecular Structure, 2019, 1194, 178-186.   | 3.6 | 5         |
| 9  | Biogenic CuFe <sub>2</sub> O <sub>4</sub> magnetic nanoparticles as a green, reusable and excellent nanocatalyst for acetylation reactions under solvent-free conditions. New Journal of Chemistry, 2018, 42, 15200-15206.                   | 2.8 | 17        |
| 10 | Novel Isophthalohydrazide-cDB24C8 cryptand derivative for the selective recognition of fluoride ion: An experimental and DFT study. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2018, 204, 225-231.               | 3.9 | 5         |
| 11 | A Novel Benzimidazolyl-based Receptor for the recognition of Fluoride and Cyanide Anion. Journal of Chemical Sciences, 2017, 129, 1-7.   | 1.5 | 21        |
| 12 | Banana pulp extract mediated synthesis of Cu <sub>2</sub> O nanoparticles: An efficient heterogeneous catalyst for the ipso-hydroxylation of arylboronic acids. Tetrahedron Letters, 2017, 58, 1211-1215.                                    | 1.4 | 49        |
| 13 | Green Nanosynthesis and Functionalization of Gold Nanoparticles as PTP 1B Inhibitors. Journal of Cluster Science, 2017, 28, 2269-2277.   | 3.3 | 9         |
| 14 | Novel CuCl <sub>2</sub> -cryptand-[2.2.Benzo] complex: A base free and oxidant free catalyst for ipso-Hydroxylation of aryl/heteroaryl-boronic acids in water at room temperature. Journal of Organometallic Chemistry, 2017, 851, 52-56.    | 1.8 | 12        |
| 15 | Solvent free synthesis of ynones using magnetically recoverable Copper-ferrite nanoparticles. Tetrahedron Letters, 2017, 58, 3864-3867.  | 1.4 | 8         |
| 16 | On-water synthesis of phenols using biogenic Cu <sub>2</sub> O nanoparticles without using H <sub>2</sub> O <sub>2</sub> . RSC Advances, 2016, 6, 100443-100447.   | 3.6 | 23        |
| 17 | Antimicrobial, Antioxidant Activities and RP-HPLC Analysis of Three Edible Medicinal Plants <i>Olax acuminata</i> , <i>Gnetum gnemon</i> and <i>Rhaphidophora hongkongensis</i> . The National Academy of Sciences, India, 2016, 39, 99-102. | 1.3 | 3         |
| 18 | Experimental and theoretical study of urea and thiourea based new colorimetric chemosensor for fluoride and acetate ions. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2016, 152, 101-108.                         | 3.9 | 33        |

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|----|--|-----|-----------|
| 19 | Biomediated Synthesis of Silver Nanoparticles Using <i>Rhaphidophora hongkongensis</i> Leaf Extract and Its Application for the Selective Hg (II) and Fe (III) Ions Sensor. <i>Sensor Letters</i> , 2016, 14, 319-323. | 0.4 | 2         |
| 20 | Green Synthesis, Catalytic and Antibacterial Activity of Silver Nanoparticles Synthesized from <i>Olax acuminata</i> . <i>Asian Journal of Chemistry</i> , 2015, 27, 4549-4552.  | 0.3 | 1         |
| 21 | H <sub>2</sub> O <sub>2</sub> in WERSA: an efficient green protocol for ipso-hydroxylation of aryl/heteroarylboronic acid. <i>RSC Advances</i> , 2015, 5, 102723-102726.   | 3.6 | 60        |
| 22 | Chemical Composition and Antioxidant Activities of the Essential oil of <i>Olax acuminata</i> . <i>Journal of Essential Oil-bearing Plants: JEOP</i> , 2014, 17, 696-701.  | 1.9 | 1         |
| 23 | Selective fluoride anion sensing by simple benzimidazolyl based ligand. <i>Sensors and Actuators B: Chemical</i> , 2014, 201, 191-195.   | 7.8 | 14        |
| 24 | Biosynthesis of Ag Nanoparticles Using Aqueous <i>Impatiens glandulifera</i> Leaf Extract and Study of Its Catalytic and Antibacterial Activity. <i>Journal of Bionanoscience</i> , 2014, 8, 28-33.                    | 0.4 | 5         |
| 25 | Thiourea recognition by 2,6-bis(2-benzimidazolyl)pyridine using spectroscopic techniques and DFT. <i>Journal of Molecular Structure</i> , 2013, 1042, 32-36.   | 3.6 | 8         |
| 26 | Acetate recognition by 2,6-bis(2-benzimidazolyl)pyridine. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2011, 81, 313-316.  | 3.9 | 9         |
| 27 | Imidazole derivatives as the organic precursor of ZnO nano particle. <i>Tetrahedron Letters</i> , 2010, 51, 2751-2753.   | 1.4 | 22        |
| 28 | Ruthenium monoterpyridine complexes with 2,6-bis(benzimidazol-2-yl)pyridine: Synthesis, spectral properties and structure. <i>Polyhedron</i> , 2008, 27, 1983-1988.  | 2.2 | 18        |
| 29 | 2,6-Bis(2-benzimidazolyl)pyridine as a chemosensor for fluoride ions. <i>Tetrahedron Letters</i> , 2008, 49, 94-97.  | 1.4 | 49        |
| 30 | Utilization of 2,6-bis(2-benzimidazolyl)pyridine to detect toxic benzene metabolites. <i>Tetrahedron Letters</i> , 2007, 48, 47-50.  | 1.4 | 20        |
| 31 | 2,6-Bis(2-benzimidazolyl)pyridine receptor for urea recognition. <i>Tetrahedron Letters</i> , 2006, 47, 8115-8117.   | 1.4 | 33        |