Bolin Chetia

List of Publications by Year
in descending order

31	455	759233 12	713466 21
papers	citations	h-index	g-index

31	31	31	535
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	H₂O₂ in WERSA: an efficient green protocol for ipso-hydroxylation of aryl/heteroarylboronic acid. RSC Advances, 2015, 5, 102723-102726.	3.6	60
2	2,6-Bis(2-benzimidazolyl)pyridine as a chemosensor for fluoride ions. Tetrahedron Letters, 2008, 49, 94-97.	1.4	49
3	Banana pulp extract mediated synthesis of Cu2O nanoparticles: An efficient heterogeneous catalyst for the ipso-hydroxylation of arylboronic acids. Tetrahedron Letters, 2017, 58, 1211-1215.	1.4	49
4	2,6-Bis(2-benzimidazolyl)pyridine receptor for urea recognition. Tetrahedron Letters, 2006, 47, 8115-8117.	1.4	33
5	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
6	On-water synthesis of phenols using biogenic Cu₂O nanoparticles without using H₂O₂. RSC Advances, 2016, 6, 100443-100447.	3.6	23
7	Imidazole derivatives as the organic precursor of ZnO nano particle. Tetrahedron Letters, 2010, 51, 2751-2753.	1.4	22
8	A Novel Benzimidazolyl-based Receptor for the recognition of Fluoride and Cyanide Anion. Journal of Chemical Sciences, 2017, 129, 1-7.	1.5	21
9	Utilization of 2,6-bis(2-benzimidazolyl)pyridine to detect toxic benzene metabolites. Tetrahedron Letters, 2007, 48, 47-50.	1.4	20
10	Ruthenium monoterpyridine complexes with 2,6-bis(benzimidazol-2-yl)pyridine: Synthesis, spectral properties and structure. Polyhedron, 2008, 27, 1983-1988.	2.2	18
11	Biogenic CuFe₂O₄ 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
12	Selective fluoride anion sensing by simple benzimidazolyl based ligand. Sensors and Actuators B: Chemical, 2014, 201, 191-195.	7.8	14
13	Novel CuCl2-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
14	Ligand and additive free aerobic synthesis of diynes using Pdâ€“CuFe₂O₄magnetic nanoparticles as an efficient reusable catalyst. New Journal of Chemistry, 2020, 44, 18199-18207.	2.8	12
15	Acetate recognition by 2,6-bis(2-benzimidazolyl)pyridine. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2011, 81, 313-316.	3.9	9
16	Green Nanosynthesis and Functionalization of Gold Nanoparticles as PTP 1B Inhibitors. Journal of Cluster Science, 2017, 28, 2269-2277.	3.3	9
17	Thiourea recognition by 2,6-bis(2-benzimidazolyl)pyridine using spectroscopic techniques and DFT. Journal of Molecular Structure, 2013, 1042, 32-36.	3.6	8
18	Solvent free synthesis of ynones using magnetically recoverable Copper-ferrite nanoparticles. Tetrahedron Letters, 2017, 58, 3864-3867.	1.4	8

#	Article	IF	Citations
19	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
20	A simple, fast and excellent protocol for the synthesis of phenols using $$hbox {CuFe}_{2}hbox {O}_{4}$$ magnetic nanoparticles. Journal of Chemical Sciences, 2019, 131, 1.	1.5	5
21	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
22	An efficient base and H₂O₂ free protocol for the synthesis of phenols in water and oxygen using spinel CuFe₂O₄ magnetic nanoparticles. Journal of Coordination Chemistry, 2020, 73, 1925-1936.	2.2	5
23	Biosynthesis of Ag Nanoparticles Using Aqueous Impatiens glandulifera Leaf Extract and Study of Its Catalytic and Antibacterial Activity. Journal of Bionanoscience, 2014, 8, 28-33.	0.4	5
24	Antimicrobial, Antioxidant Activities and RP-HPLC Analysis of Three Edible Medicinal Plants Olax acuminata, Gnetum gnemon and Rhaphidophora hongkongensis. The National Academy of Sciences, India, 2016, 39, 99-102.	1.3	3
25	Acetylation of alcohols, phenols and amines using waste plant extract. SN Applied Sciences, 2020, 2, 1.	2.9	3
26	Biomediated Synthesis of Silver Nanoparticles Using Rhaphidophora hongkongensis Leaf Extract and Its Application for the Selective Hg (II) and Fe (III) Ions Sensor. Sensor Letters, 2016, 14, 319-323.	0.4	2
27	Sensing and optical activities of new pyrazole containing polymeric analogues. Bulletin of Materials Science, 2022, 45, .	1.7	2
28	Chemical Composition and Antioxidant Activities of the Essential oil ofOlax acuminata. Journal of Essential Oil-bearing Plants: JEOP, 2014, 17, 696-701.	1.9	1
29	Green Synthesis, Catalytic and Antibacterial Activity of Silver Nanoparticles Synthesized from Olax acuminata. Asian Journal of Chemistry, 2015, 27, 4549-4552.	0.3	1
30	Synthesis of ynones at room temperature catalyzed by copper chloride cryptand complex under solvent free conditions. Heliyon, 2019, 5, e02000.	3.2	1
31	A highly active Pd-CuFe2O4 magnetic nanocatalyst for ligand free Suzuki-Miyura coupling reaction. Results in Chemistry, 2021, 3, 100225.	2.0	0