

# Nagendra J Babu

## List of Publications by Year in descending order

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29  
papers

899  
citations

471509

17  
h-index

501196

28  
g-index

30  
all docs

30  
docs citations

30  
times ranked

1210  
citing authors

#	ARTICLE	IF	CITATIONS
1	Advances in arsenic biosensor development – A comprehensive review. <i>Biosensors and Bioelectronics</i> , 2015, 63, 533-545.	10.1	149
2	Multifaceted application of crop residue biochar as a tool for sustainable agriculture: An ecological perspective. <i>Ecological Engineering</i> , 2015, 77, 324-347.	3.6	117
3	A chloride selective sensor based on a calix[4]arene possessing a urea moiety. <i>Tetrahedron Letters</i> , 2008, 49, 2772-2775.	1.4	78
4	Chloride ion recognition using thiourea/urea based receptors incorporated into 1,3-disubstituted calix[4]arenes. <i>New Journal of Chemistry</i> , 2009, 33, 675.	2.8	54
5	Sorptive removal of arsenite [As(III)] and arsenate [As(V)] by fullerene earth immobilized nanoscale zero-valent iron nanoparticles (F-nZVI): Effect of Fe <sup>0</sup> loading on adsorption activity. <i>Journal of Environmental Chemical Engineering</i> , 2016, 4, 681-694.	6.7	50
6	Role of soil physicochemical characteristics on the present state of arsenic and its adsorption in alluvial soils of two agri-intensive region of Bathinda, Punjab, India. <i>Journal of Soils and Sediments</i> , 2016, 16, 605-620.	3.0	41
7	Ratiometric – Off sensing of Pb <sup>2+</sup> ion using pyrene-appended calix[4]arenes. <i>Sensors and Actuators B: Chemical</i> , 2010, 144, 183-191.	7.8	38
8	A Ni <sup>2+</sup> selective chemosensor based on partial cone conformation of calix[4]arene. <i>Dalton Transactions</i> , 2010, 39, 10116.	3.3	35
9	Synthesis and binding studies of novel thiacalixpodands and bithiacalixarenes having O,O <sup>3</sup> -dialkylated thiacalix[4]arene unit(s) of 1,3-alternate conformation. <i>Tetrahedron Letters</i> , 2007, 48, 1581-1585.	1.4	32
10	Synthesis and binding studies of new bis-calix[4]arenes containing aromatic and heteroaromatic units. <i>Tetrahedron</i> , 2003, 59, 3267-3273.	1.9	30
11	Fluorescent chemosensor for Cu <sup>2+</sup> ion based on iminoanthryl appended calix[4]arene. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2010, 66, 139-145.	1.6	29
12	In situ reductive regeneration of zerovalent iron nanoparticles immobilized on cellulose for atom efficient Cr(VI) adsorption. <i>RSC Advances</i> , 2015, 5, 89441-89446.	3.6	28
13	Chromogenic sensing of Cu(II) by imino linked thiacalix[4]arene in mixed aqueous environment. <i>Inorganic Chemistry Communication</i> , 2009, 12, 332-335.	3.9	24
14	Removal of hexavalent chromium from aqueous solution using biomass derived fly ash from Waste-to-Energy power plant. <i>Desalination and Water Treatment</i> , 2014, 52, 7845-7855.	1.0	20
15	Influence of anion induced proton abstraction on Cu(II) adsorption by alginic acid. <i>Reactive and Functional Polymers</i> , 2015, 97, 48-55.	4.1	20
16	Visible Colorimetric Sensor for Fluoride Ion Based on <i>o</i> -Phenylenediamine. <i>Supramolecular Chemistry</i> , 2007, 19, 511-516.	1.2	19
17	Reductive-co-precipitated cellulose immobilized zerovalent iron nanoparticles in ionic liquid/water for Cr(VI) adsorption. <i>Cellulose</i> , 2018, 25, 5259-5275.	4.9	19
18	Selective Colorimetric Sensing of Cyanide Ions Over Fluoride Ions by Calix[4]arene Containing Thiourea Moieties. <i>Letters in Organic Chemistry</i> , 2006, 3, 787-793.	0.5	18

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19	Amido-amine derivative of alginic acid (AmAA) for enhanced adsorption of Pb(II) from aqueous solution. <i>International Journal of Biological Macromolecules</i> , 2020, 147, 499-512.	7.5	18
20	Azophenol appended (thia)calix[4]arenes for colorimetric sensing of anions: A complexation induced extended conjugation. <i>Talanta</i> , 2010, 81, 9-14.	5.5	15
21	Synergistic effect of pistachio shell powder and nano-zerovalent copper for chromium remediation from aqueous solution. <i>Environmental Science and Pollution Research</i> , 2021, 28, 63422-63436.	5.3	14
22	Removal of hexavalent chromium from aqueous solution: a comparative study of cone biomass of <i>Picea smithiana</i> and activated charcoal. <i>Desalination and Water Treatment</i> , 2016, 57, 11081-11095.	1.0	10
23	Synthesis of in situ immobilized iron oxide nanoparticles (Fe <sub>3</sub> O <sub>4</sub> ) on microcrystalline cellulose: Ecofriendly and recyclable catalyst for Michael addition. <i>Applied Organometallic Chemistry</i> , 0, , e6455.	3.5	9
24	Effect of Pyrolysis Temperature on Mechanistic Transformation for Adsorption of Methylene Blue on Leached Rice Straw Biochar. <i>Clean - Soil, Air, Water</i> , 2022, 50, .	1.1	9
25	Acetyl oxime/azirine 1, 3-dipole and strategy for the regioselective synthesis of polysubstituted pyrroles via [3+2] cycloaddition with alkyne utilizing Fe <sub>2</sub> O <sub>3</sub> @cellulose catalyst. <i>Results in Chemistry</i> , 2021, 3, 100201.	2.0	8
26	1,3-Bis(cyanomethoxy)calix[4]arene capped CdSe quantum dots for the fluorogenic sensing of fluorene. <i>RSC Advances</i> , 2017, 7, 14015-14020.	3.6	5
27	Sustainable synthesis of highly diastereoselective & fluorescent active spirooxindoles catalyzed by copper oxide nanoparticle immobilized on microcrystalline cellulose. <i>Applied Organometallic Chemistry</i> , 2022, 36, .	3.5	5
28	Comparative analysis of metabolites in contrasting chickpea cultivars. <i>Journal of Plant Biochemistry and Biotechnology</i> , 2020, 29, 253-265.	1.7	4
29	Title is missing!. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2002, 42, 247-250.	1.6	1