

Nagendra J Babu

List of Publications by Year in descending order

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29
papers

899
citations

535685

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563245

28
g-index

30
all docs

30
docs citations

30
times ranked

1370
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of Pyrolysis Temperature on Mechanistic Transformation for Adsorption of Methylene Blue on Leached Riceâ€štraw Biochar. <i>Clean - Soil, Air, Water</i> , 2022, 50, .	0.7	9
2	Sustainable synthesis of highly diastereoselective & fluorescent active spirooxindoles catalyzed by copper oxide nanoparticle immobilized on microcrystalline cellulose. <i>Applied Organometallic Chemistry</i> , 2022, 36, .	1.7	5
3	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.	2.7	14
4	Acetyl oxime/azirine 1, 3-dipole and strategy for the regioselective synthesis of polysubstituted pyrroles via [3+2] cycloaddition with alkyne utilizing Fe ₂ O ₃ @cellulose catalyst. <i>Results in Chemistry</i> , 2021, 3, 100201.	0.9	8
5	Comparative analysis of metabolites in contrasting chickpea cultivars. <i>Journal of Plant Biochemistry and Biotechnology</i> , 2020, 29, 253-265.	0.9	4
6	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.	3.6	18
7	Reductive-co-precipitated cellulose immobilized zerovalent iron nanoparticles in ionic liquid/water for Cr(VI) adsorption. <i>Cellulose</i> , 2018, 25, 5259-5275.	2.4	19
8	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.	1.7	5
9	Sorptive removal of arsenite [As(III)] and arsenate [As(V)] by fullerê™s earth immobilized nanoscale zero-valent iron nanoparticles (F-nZVI): Effect of Fe ₀ loading on adsorption activity. <i>Journal of Environmental Chemical Engineering</i> , 2016, 4, 681-694.	3.3	50
10	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
11	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.	1.5	41
12	Multifaceted application of crop residue biochar as a tool for sustainable agriculture: An ecological perspective. <i>Ecological Engineering</i> , 2015, 77, 324-347.	1.6	117
13	Influence of anion induced proton abstraction on Cu(II) adsorption by alginic acid. <i>Reactive and Functional Polymers</i> , 2015, 97, 48-55.	2.0	20
14	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.	1.7	28
15	Advances in arsenic biosensor development – A comprehensive review. <i>Biosensors and Bioelectronics</i> , 2015, 63, 533-545.	5.3	149
16	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
17	Fluorescent chemosensor for Cu ²⁺ ion based on iminoanthryl appended calix[4]arene. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2010, 66, 139-145.	1.6	29
18	Ratiometric/Off-On/Off™ sensing of Pb ²⁺ ion using pyrene-appended calix[4]arenes. <i>Sensors and Actuators B: Chemical</i> , 2010, 144, 183-191.	4.0	38

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19	Azophenol appended (thia)calix[4]arenes for colorimetric sensing of anions: A complexation induced extended conjugation. <i>Talanta</i> , 2010, 81, 9-14.	2.9	15
20	A Ni ²⁺ selective chemosensor based on partial cone conformation of calix[4]arene. <i>Dalton Transactions</i> , 2010, 39, 10116.	1.6	35
21	Chromogenic sensing of Cu(II) by imino linked thiacalix[4]arene in mixed aqueous environment. <i>Inorganic Chemistry Communication</i> , 2009, 12, 332-335.	1.8	24
22	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.	1.4	54
23	A chloride selective sensor based on a calix[4]arene possessing a urea moiety. <i>Tetrahedron Letters</i> , 2008, 49, 2772-2775.	0.7	78
24	Visible Colorimetric Sensor for Fluoride Ion Based on <i>o</i> -Phenylenediamine. <i>Supramolecular Chemistry</i> , 2007, 19, 511-516.	1.5	19
25	Synthesis and binding studies of novel thiacalixpodands and bithiacalixarenes having O,O ³ -dialkylated thiacalix[4]arene unit(s) of 1,3-alternate conformation. <i>Tetrahedron Letters</i> , 2007, 48, 1581-1585.	0.7	32
26	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.	0.2	18
27	Synthesis and binding studies of new bis-calix[4]arenes containing aromatic and heteroaromatic units. <i>Tetrahedron</i> , 2003, 59, 3267-3273.	1.0	30
28	Title is missing!. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2002, 42, 247-250.	1.6	1
29	Synthesis of in situ immobilized iron oxide nanoparticles (Fe ₃ O ₄) on microcrystalline cellulose: Ecofriendly and recyclable catalyst for Michael addition. <i>Applied Organometallic Chemistry</i> , 0, , e6455.	1.7	9