

# Bhaskar Garg

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7900137/publications.pdf>

Version: 2024-02-01

33  
papers

1,102  
citations

471371

17  
h-index

477173

29  
g-index

35  
all docs

35  
docs citations

35  
times ranked

1750  
citing authors

#	ARTICLE	IF	CITATIONS
1	CO <sub>2</sub> separation using bipolar membrane electro dialysis. Energy and Environmental Science, 2011, 4, 1319-1328.	15.6	167
2	Graphene-Based Nanomaterials as Efficient Peroxidase Mimetic Catalysts for Biosensing Applications: An Overview. Molecules, 2015, 20, 14155-14190.	1.7	123
3	Carbon Nanodots as Peroxidase Nanozymes for Biosensing. Molecules, 2016, 21, 1653.	1.7	123
4	Graphene-Based Nanomaterials as Heterogeneous Acid Catalysts: A Comprehensive Perspective. Molecules, 2014, 19, 14582-14614.	1.7	117
5	Cu <sub>x</sub> Ag <sub>y</sub> In <sub>z</sub> Zn <sub>k</sub> Sm solid solutions customized with RuO <sub>2</sub> or Rh <sub>1.32</sub> Cr <sub>0.66</sub> O <sub>3</sub> co-catalyst display visible light-driven catalytic activity for CO <sub>2</sub> reduction to CH <sub>3</sub> OH. Green Chemistry, 2011, 13, 2029.	4.6	74
6	Sulfonated graphene as highly efficient and reusable acid carbocatalyst for the synthesis of ester plasticizers. RSC Advances, 2014, 4, 57297-57307.	1.7	54
7	Versatilities of graphene-based catalysts in organic transformations. Green Materials, 2013, 1, 47-61.	1.1	47
8	Anion sensing by Phenazine-based urea/thiourea receptors. Tetrahedron Letters, 2008, 49, 6646-6649.	0.7	45
9	Waste chicken eggshell as low-cost precursor for efficient synthesis of nitrogen-doped fluorescent carbon nanodots and their multi-functional applications. RSC Advances, 2014, 4, 58329-58336.	1.7	39
10	Graphene-based nanomaterials as molecular imaging agents. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2015, 7, 737-758.	3.3	38
11	A highly selective phenothiazine-based fluorescence "turn-on" indicator based on cyanide-promoted novel protection/deprotection mechanism. Chemical Communications, 2015, 51, 8809-8812.	2.2	29
12	Synthesis and anion binding properties of novel 3,12- and 3,7-bis(4-nitrophenyl)-azo-calix[4]pyrrole receptors. New Journal of Chemistry, 2010, 34, 1251.	1.4	27
13	Highly efficient synthesis of N-confused meso-tetraspirocyclohexyl calix[4]pyrrole using Brønsted acidic ionic liquids as catalysts. Tetrahedron Letters, 2012, 53, 5674-5677.	0.7	27
14	Syntheses of Calix[4]Pyrroles by Amberlyst-15 Catalyzed Cyclocondensations of Pyrrole with Selected Ketones. Molecules, 2007, 12, 2458-2466.	1.7	23
15	A phenothiazine-based colorimetric chemodosimeter for the rapid detection of cyanide anions in organic and aqueous media. RSC Advances, 2014, 4, 36344.	1.7	22
16	2,2-Diaminoazo-benzene, a potential scaffold for the synthesis of bis-ureas and thioureas: Solution phase anion sensing and binding studies. Sensors and Actuators B: Chemical, 2012, 168, 318-328.	4.0	20
17	1-Arylazo-5,5-dimethyl dipyrromethanes: Versatile chromogenic probes for anions. Sensors and Actuators B: Chemical, 2009, 141, 116-123.	4.0	18
18	Synthesis and anion binding of 2-arylazo-meso-octamethylcalix[4]pyrroles. Supramolecular Chemistry, 2009, 21, 394-400.	1.5	16

#	ARTICLE	IF	CITATIONS
19	Meso-functional calix[4]pyrrole: a solution phase study of anion directed self-assembly. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2011, 70, 249-255.	1.6	12
20	Rapid identification of trimethyl and triethyl amines using sulphonic acidic ionic liquids: A time-of-flight secondary ion mass spectrometry study of fragmentation reactions. <i>Analytica Chimica Acta</i> , 2012, 757, 48-55.	2.6	12
21	A novel graphene-based label-free fluorescence "turn-on"™ nanosensor for selective and sensitive detection of phosphorylated species in biological samples and living cells. <i>Nanoscale</i> , 2016, 8, 4547-4556.	2.8	12
22	Graphene-based Nanomaterials: Versatile Catalysts for Carbon-Carbon Bond Forming Reactions. <i>Current Organic Chemistry</i> , 2016, 20, 1547-1566.	0.9	12
23	One-pot Green Synthesis of Azides from Alcohols Using Brønsted Acidic Ionic Liquid [HMIM][BF <sub>4</sub> ] as Solvent and Catalyst. <i>Journal of the Chinese Chemical Society</i> , 2014, 61, 737-742.	0.8	10
24	Colorimetric recognition of hydrazine in aqueous solution by a bromophenol blue-tethered ion-pair-like ratiometric probe. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 251, 119456.	2.0	9
25	Hydrogen Bonded non-covalent synthesis by reaction of porphyrin appended calix[4]arene with 5,5-diethylbarbituric acid in solution. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2014, 78, 103-111.	0.9	7
26	Tricyanovinyl substituted calix[4]pyrrole: an old yet new potential chemosensor for biothiols. <i>RSC Advances</i> , 2013, 3, 10150.	1.7	6
27	Electrostatic interaction between cationic calix[4]pyrroles and anionic porphyrins in water. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2010, 67, 241-246.	1.6	4
28	A Hydrosilylation Approach to Silicon-Bridged Functional Dipyrromethanes: Introducing Silicon to A New Arena. <i>Chemistry - an Asian Journal</i> , 2020, 15, 66-71.	1.7	3
29	Ionic interactions of anionic thiocalix[4]arene with cationic porphyrins. <i>Arkivoc</i> , 2010, 2010, 161-178.	0.3	3
30	Magnetic Graphene Nanocomposites for Multifunctional Applications. , 2017, , 317-357.		2
31	<sup>31</sup> P Solid-State NMR Spectroscopy of Adsorbed Phosphorous Probe Molecules: Acidity Characterization of Solid Acid Carbonaceous Materials for Catalytic Applications. , 2018, , 549-596.		1
32	Carbon-Based Nanomaterials as Nanozymes. , 2016, , 309-333.		0
33	Biomedical Applications of Graphene. , 2016, , 59-74.		0