

Bhaskar Garg

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

32
papers

904
citations

16
h-index

30
g-index

35
ext. papers

1,012
ext. citations

5.5
avg, IF

4.61
L-index

#	Paper	IF	Citations
32	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	4.4	1
31	A Hydrosilylation Approach to Silicon-Bridged Functional Dipyrromethanes: Introducing Silicon to A New Arena. <i>Chemistry - an Asian Journal</i> , 2020 , 15, 66-71	4.5	1
30	³¹ P Solid-State NMR Spectroscopy of Adsorbed Phosphorous Probe Molecules: Acidity Characterization of Solid Acid Carbonaceous Materials for Catalytic Applications 2018 , 549-596		
29	Magnetic Graphene Nanocomposites for Multifunctional Applications 2017 , 317-357		2
28	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, 4547-56	7.7	12
27	Graphene-based Nanomaterials: Versatile Catalysts for Carbon-Carbon Bond Forming Reactions. <i>Current Organic Chemistry</i> , 2016 , 20, 1547-1566	1.7	9
26	Carbon Nanodots as Peroxidase Nanozymes for Biosensing. <i>Molecules</i> , 2016 , 21,	4.8	86
25	Carbon-Based Nanomaterials as Nanozymes 2016 , 309-333		
24	A highly selective phenothiazine-based fluorescence turn-on indicator based on cyanide-promoted novel protection/deprotection mechanism. <i>Chemical Communications</i> , 2015 , 51, 8809-12	5.8	25
23	Graphene-based nanomaterials as molecular imaging agents. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2015 , 7, 737-58	9.2	35
22	Graphene-Based Nanomaterials as Efficient Peroxidase Mimetic Catalysts for Biosensing Applications: An Overview. <i>Molecules</i> , 2015 , 20, 14155-90	4.8	97
21	One-pot Green Synthesis of Azides from Alcohols Using Brønsted Acidic Ionic Liquid [HMIM][BF ₄] as Solvent and Catalyst. <i>Journal of the Chinese Chemical Society</i> , 2014 , 61, 737-742	1.5	9
20	Sulfonated graphene as highly efficient and reusable acid carbocatalyst for the synthesis of ester plasticizers. <i>RSC Advances</i> , 2014 , 4, 57297-57307	3.7	43
19	Waste chicken eggshell as low-cost precursor for efficient synthesis of nitrogen-doped fluorescent carbon nanodots and their multi-functional applications. <i>RSC Advances</i> , 2014 , 4, 58329-58336	3.7	37
18	A phenothiazine-based colorimetric chemodosimeter for the rapid detection of cyanide anions in organic and aqueous media. <i>RSC Advances</i> , 2014 , 4, 36344	3.7	20
17	Graphene-based nanomaterials as heterogeneous acid catalysts: a comprehensive perspective. <i>Molecules</i> , 2014 , 19, 14582-614	4.8	103
16	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	1.7	5

15	Tricyanovinyl substituted calix[4]pyrrole: an old yet new potential chemosensor for biothiols. <i>RSC Advances</i> , 2013 , 3, 10150	3.7	6
14	Versatilities of graphene-based catalysts in organic transformations. <i>Green Materials</i> , 2013 , 1, 47-61	3.2	37
13	2,2'-Diaminoazo-benzene, a potential scaffold for the synthesis of bis-ureas and thioureas: Solution phase anion sensing and binding studies. <i>Sensors and Actuators B: Chemical</i> , 2012 , 168, 318-328	8.5	18
12	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	6.6	12
11	Highly efficient synthesis of N-confused meso-tetraspirocyclohexyl calix[4]pyrrole using Brønsted acidic ionic liquids as catalysts. <i>Tetrahedron Letters</i> , 2012 , 53, 5674-5677	2	24
10	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		9
9	CO ₂ separation using bipolar membrane electrodialysis. <i>Energy and Environmental Science</i> , 2011 , 4, 1319-1328	9.3	118
8	Cu _x Ag _y In _z Zn _k Sm solid solutions customized with RuO ₂ or Rh _{1.32} Cr _{0.66} O ₃ co-catalyst display visible light-driven catalytic activity for CO ₂ reduction to CH ₃ OH. <i>Green Chemistry</i> , 2011 , 13, 2029	10	70
7	Synthesis and anion binding properties of novel 3,12- and 3,7-bis(4'-nitrophenyl)-azo-calix[4]pyrrole receptors. <i>New Journal of Chemistry</i> , 2010 , 34, 1251	3.6	24
6	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		4
5	Ionic interactions of anionic thiacalix[4]arene with cationic porphyrins. <i>Arkivoc</i> , 2010 , 2010, 161-178	0.9	3
4	1-Arylazo-5,5-dimethyl dipyrromethanes: Versatile chromogenic probes for anions. <i>Sensors and Actuators B: Chemical</i> , 2009 , 141, 116-123	8.5	16
3	Synthesis and anion binding of 2-arylazo-meso-octamethylcalix[4]pyrroles. <i>Supramolecular Chemistry</i> , 2009 , 21, 394-400	1.8	16
2	Anion sensing by Phenazine-based urea/thiourea receptors. <i>Tetrahedron Letters</i> , 2008 , 49, 6646-6649	2	41
1	Syntheses of calix[4]pyrroles by amberlyst-15 catalyzed cyclocondensations of pyrrole with selected ketones. <i>Molecules</i> , 2007 , 12, 2458-66	4.8	21