Binay K Ghorai

List of Publications by Year
in descending order

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44	619	566801	642321
papers	citations	15 h-index	23 g-index

50	50	50	838
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Aggregation induction of tetraphenylethylene AIEgen and its supramolecular aggregates toward light-emitting diodes. Journal of Solid State Chemistry, 2020, 282, 121122.	1.4	9
2	Synthesis and optical properties of bipolar quinoxaline-triphenylamine based stilbene compounds. Optical Materials: X, 2019, 1, 100013.	0.3	4
3	AIEgen-Conjugated Magnetic Nanoparticles as Magneticâ€“Fluorescent Bioimaging Probes. ACS Applied Nano Materials, 2019, 2, 3292-3299.	2.4	18
4	Functionalized chitosan with self-assembly induced and subcellular localization-dependent fluorescence â€˜switch onâ€™ property. New Journal of Chemistry, 2018, 42, 5774-5784.	1.4	10
5	Supramolecular Aggregates of Tetraphenylethene-Cored AIEgen toward Mechanoluminescent and Electroluminescent Devices. ACS Applied Materials & Interfaces, 2018, 10, 17409-17418.	4.0	31
6	Dibenzo[a,â€‰c]phenazineâ€Based Donorâ€Acceptor (Dâ€“A) Tetra Branched Molecules: Fine Tuning of Optical Properties. ChemistrySelect, 2018, 3, 6953-6959.	0.7	5
7	Fluorescent Imaging Probe from Nanoparticle Made of AIE Molecule. Journal of Physical Chemistry C, 2016, 120, 5196-5206.	1.5	33
8	Side Substituent Dependence of Photophysical Properties of 9-Arylanthracene-Based Ï€-Conjugates. Bulletin of the Chemical Society of Japan, 2015, 88, 89-96.	2.0	1
9	Detection and Monitoring of Amyloid Fibrillation Using a Fluorescence â€œSwitch-Onâ€•Probe. ACS Applied Materials & Interfaces, 2015, 7, 25813-25820.	4.0	68
10	Planarâ€“rotor architecture based pyreneâ€“vinylâ€“tetraphenylethylene conjugated systems: photophysical properties and aggregation behavior. Organic and Biomolecular Chemistry, 2015, 13, 10663-10674.	1.5	11
11	Hexaphenylbenzene end-capped tri(p-phenylenevinylenes): synthesis and properties. Tetrahedron Letters, 2014, 55, 5203-5206.	0.7	5
12	Synthesis of azahomosteroid ring system through intramolecular [4+2] cycloaddition of in situ generated azaisobenzofuran intermediates. Tetrahedron Letters, 2013, 54, 1440-1443.	0.7	10
13	Synthesis of gem-tetraphenylethylene oligomers utilizing Suzuki reaction and their aggregation properties. Dyes and Pigments, 2013, 99, 740-747.	2.0	16
14	Synthesis and aggregation-induced emission properties of tetraphenylethylene-based oligomers containing triphenylethylene moiety. Tetrahedron Letters, 2012, 53, 6838-6842.	0.7	36
15	Pyridine-cored V-shaped Ï€-conjugated oligomers: synthesis and optical properties. Tetrahedron, 2012, 68, 7309-7316.	1.0	19
16	Synthesis and photophysical properties of tetraphenylethylene-based conjugated dendrimers with triphenylamine core. Tetrahedron Letters, 2012, 53, 196-199.	0.7	20
17	One-pot synthesis of pyrano[4,3-b]quinolinones from 2-alkynyl-3-formylquinolines via oxidative 6-endo-dig ring closure. Tetrahedron Letters, 2012, 53, 235-238.	0.7	15
18	Triphenylpyridine-based star-shaped Ï€-conjugated oligomers with triphenylamine core: synthesis and photophysical properties. Tetrahedron Letters, 2012, 53, 1798-1801.	0.7	13

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19	Thermoreversible Gelation of Poly(vinylidene fluoride-co-chlorotrifluoroethylene): Structure, Morphology, Thermodynamics, and Theoretical Prediction. Macromolecules, 2011, 44, 3029-3038.	2.2	9
20	Annulation of furan-bridged 10-membered rings on N-heterocycles through [8+2] cycloaddition of dienylazaisobenzofurans and dimethyl acetylenedicarboxylate. Tetrahedron Letters, 2011, 52, 5668-5671.	0.7	15
21	One-pot synthesis of furo[2,3-h]quinoline and furo[2,3-h]isoquinoline derivatives using Fischer carbene complex. Tetrahedron Letters, 2011, 52, 251-253.	0.7	13
22	One-Pot Three-Component Synthesis of Quinoxaline, Quinazoline, and Phenazine Ring Systems Using Fischer Carbene Complexes. Synthesis, 2011, 2011, 1419-1426.	1.2	3
23	Synthesis and Photophysical Properties of Stilbenoid Dendrimers via Heck Reaction on a Tetraphenylethylene Core. Bulletin of the Chemical Society of Japan, 2010, 83, 1269-1271.	2.0	3
24	One-pot three-component synthesis of quinoxaline and phenazine ring systems using Fischer carbene complexes. Beilstein Journal of Organic Chemistry, 2010, 6, 52.	1.3	16
25	Metallation of 2,4-Dialkoxy-5-bromopyrimidine and Formylation with Dimethylformamide: Isolation of 2,6-Dialkoxy-5-dimethylaminopyrimidine-4-carboxaldehyde. Synthetic Communications, 2010, 40, 1939-1943.	1.1	3
26	Design, Synthesis and Optical Response of Pyridine-Cored V-Shaped Stilbenoid Dendrimers. Letters in Organic Chemistry, 2010, 7, 203-207.	0.2	1
27	Multicomponent Approach for the Synthesis of Phenanthridine and Acridine Ring Systems via the Coupling of Fischer Carbene Complexes with HeteroÂaromatic o-Alkynyl Carbonyl Derivatives. Synthesis, 2010, 2010, 3179-3187.	1.2	1
28	Solvent Retention, Thermodynamics, Rheology and Small Angle X-ray Scattering Studies on Thermoreversible Poly(vinylidene fluoride) Gels. Journal of Physical Chemistry B, 2010, 114, 11420-11429.	1.2	8
29	Synthesis of isoquinolines through the coupling of Fischer carbene complexes with o-alkynylpyridine carbonyl derivatives. Journal of Organometallic Chemistry, 2009, 694, 4100-4106.	0.8	11
30	Tandem Generation and Trapping of Furo[3,4-c]isoquinoline Intermediates Leading to the Synthesis of Phenanthridine Ring Systems. Letters in Organic Chemistry, 2009, 6, 372-376.	0.2	5
31	Tandem furo[3,4-b]pyridine formationâ€"Dielsâ€"Alder reaction: an approach to the synthesis of nitrogen containing heterocyclic analogues of 1-arylnaphthalene lignans. Tetrahedron, 2007, 63, 12015-12025.	1.0	16
32	Coupling of Î²-Cyanocarbene-Chromium Complexes with 2-Alkynylbenzoyl Derivatives: A [5+5]-Cycloaddition Approach to Phenanthridines. Synthesis, 2006, 2006, 3661-3669.	1.2	0
33	Coupling of Fischer Carbene Complexes with o-Alkynylbenzamides.. ChemInform, 2004, 35, no.	0.1	0
34	Novel Synthesis of Isoquinolines Using Isobenzofuranâ€"Nitrile Dielsâ€"Alder Reactions.. ChemInform, 2004, 35, no.	0.1	0
35	Novel Synthesis of Isoquinolines Using Isobenzofuranâ^'Nitrile Dielsâ^'Alder Reactions. Organic Letters, 2003, 5, 4261-4263.	2.4	30
36	Coupling of Fischer Carbene Complexes witho-Alkynylbenzamides. Organometallics, 2003, 22, 3951-3957.	1.1	18

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37	Inversion of the Direction of Stereoinduction in the Coupling of Chiral Î³,Î´-Unsaturated Fischer Carbene Complexes with o-Ethynylbenzaldehyde. Organic Letters, 2002, 4, 2121-2124.	2.4	23
38	One-Step Convergent Synthesis of the Steroid Ring System via the Coupling of Î³,Î´-Unsaturated Fischer Carbene Complexes witho-Ethynylbenzaldehyde. Organic Letters, 2001, 3, 3535-3538.	2.4	35
39	Cyclopentanoid allylsilanes in synthesis: A facile construction of the 5â€“8 fused carbon framework of asteriscanolide. Tetrahedron Letters, 1998, 39, 8365-8366.	0.7	13
40	Stereochemical Control over Three Contiguous Stereogenic Centers in the Intramolecular Ene Reaction of Activated 1,6-Dienes. Application to the Synthesis of (Â±)-Methyl Cucurbate and (Â±)-Methyl Epijasmonate. Journal of Organic Chemistry, 1997, 62, 6006-6011.	1.7	14
41	Silicon as a controlling element for regioselective ene reaction of diethyl azodicarboxylate with (homo)allylic silanes. Applications to the synthesis of cyclic 1,2-dinitrogen compounds. Tetrahedron Letters, 1996, 37, 6607-6610.	0.7	9
42	Lithium Perchlorate Dispersed on Silica Gel, a Mild and Efficient Catalyst for Intramolecular Ene Reactions of Activated 1,6- and 1,7-Dienes. Synlett, 1996, 1996, 97-99.	1.0	11
43	Intramolecular alder ene approach to stereochemical control over three contiguous stereogenic centres : Synthesis of (Â±)-methyl cucurbate and (Â±)-methyl epijasmonate. Tetrahedron Letters, 1994, 35, 6907-6908.	0.7	15
44	Silicon-directed Bamfordâ€“Stevens reaction of Î²-trimethylsilyl N-aziridinylimines. Journal of the Chemical Society Chemical Communications, 1992, .	2.0	23