

Binay K Ghorai

List of Publications by Year in descending order

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docs citations

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838
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#	ARTICLE	IF	CITATIONS
1	Detection and Monitoring of Amyloid Fibrillation Using a Fluorescence "Switch-On" Probe. ACS Applied Materials & Interfaces, 2015, 7, 25813-25820.	4.0	68
2	Synthesis and aggregation-induced emission properties of tetraphenylethylene-based oligomers containing triphenylethylene moiety. Tetrahedron Letters, 2012, 53, 6838-6842.	0.7	36
3	One-Step Convergent Synthesis of the Steroid Ring System via the Coupling of η^3,η^1 -Unsaturated Fischer Carbene Complexes with o-Ethynylbenzaldehyde. Organic Letters, 2001, 3, 3535-3538.	2.4	35
4	Fluorescent Imaging Probe from Nanoparticle Made of AIE Molecule. Journal of Physical Chemistry C, 2016, 120, 5196-5206.	1.5	33
5	Supramolecular Aggregates of Tetraphenylethylene-Cored AIEgen toward Mechanoluminescent and Electroluminescent Devices. ACS Applied Materials & Interfaces, 2018, 10, 17409-17418.	4.0	31
6	Novel Synthesis of Isoquinolines Using Isobenzofuran "Nitrile Diels" Alder Reactions. Organic Letters, 2003, 5, 4261-4263.	2.4	30
7	Silicon-directed Bamford "Stevens reaction of η^2 -trimethylsilyl N-aziridinylienes. Journal of the Chemical Society Chemical Communications, 1992, .	2.0	23
8	Inversion of the Direction of Stereinduction in the Coupling of Chiral η^3,η^1 -Unsaturated Fischer Carbene Complexes with o-Ethynylbenzaldehyde. Organic Letters, 2002, 4, 2121-2124.	2.4	23
9	Synthesis and photophysical properties of tetraphenylethylene-based conjugated dendrimers with triphenylamine core. Tetrahedron Letters, 2012, 53, 196-199.	0.7	20
10	Pyridine-cored V-shaped π -conjugated oligomers: synthesis and optical properties. Tetrahedron, 2012, 68, 7309-7316.	1.0	19
11	Coupling of Fischer Carbene Complexes with o-Alkynylbenzamides. Organometallics, 2003, 22, 3951-3957.	1.1	18
12	AIEgen-Conjugated Magnetic Nanoparticles as Magnetic "Fluorescent Bioimaging Probes. ACS Applied Nano Materials, 2019, 2, 3292-3299.	2.4	18
13	Tandem furfuro[3,4-b]pyridine formation "Diels" Alder reaction: an approach to the synthesis of nitrogen containing heterocyclic analogues of 1-arylnaphthalene lignans. Tetrahedron, 2007, 63, 12015-12025.	1.0	16
14	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
15	Synthesis of gem-tetraphenylethylene oligomers utilizing Suzuki reaction and their aggregation properties. Dyes and Pigments, 2013, 99, 740-747.	2.0	16
16	Intramolecular alder ene approach to stereochemical control over three contiguous stereogenic centres : Synthesis of (Δ^{\pm})-methyl cucurbate and (Δ^{\pm})-methyl epijasmonate. Tetrahedron Letters, 1994, 35, 6907-6908.	0.7	15
17	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
18	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

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19	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. <i>Journal of Organic Chemistry</i> , 1997, 62, 6006-6011.	1.7	14
20	Cyclopentanoid allylsilanes in synthesis: A facile construction of the 5â€“8 fused carbon framework of asteriscanolide. <i>Tetrahedron Letters</i> , 1998, 39, 8365-8366.	0.7	13
21	One-pot synthesis of furo[2,3-h]quinoline and furo[2,3-h]isoquinoline derivatives using Fischer carbene complex. <i>Tetrahedron Letters</i> , 2011, 52, 251-253.	0.7	13
22	Triphenylpyridine-based star-shaped Î€-conjugated oligomers with triphenylamine core: synthesis and photophysical properties. <i>Tetrahedron Letters</i> , 2012, 53, 1798-1801.	0.7	13
23	Lithium Perchlorate Dispersed on Silica Gel, a Mild and Efficient Catalyst for Intramolecular Ene Reactions of Activated 1,6- and 1,7-Dienes. <i>Synlett</i> , 1996, 1996, 97-99.	1.0	11
24	Synthesis of isoquinolines through the coupling of Fischer carbene complexes with o-alkynylpyridine carbonyl derivatives. <i>Journal of Organometallic Chemistry</i> , 2009, 694, 4100-4106.	0.8	11
25	Planarâ€“rotor architecture based pyreneâ€“vinylâ€“tetraphenylethylene conjugated systems: photophysical properties and aggregation behavior. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 10663-10674.	1.5	11
26	Synthesis of azahomosteroid ring system through intramolecular [4+2] cycloaddition of in situ generated azaisobenzofuran intermediates. <i>Tetrahedron Letters</i> , 2013, 54, 1440-1443.	0.7	10
27	Functionalized chitosan with self-assembly induced and subcellular localization-dependent fluorescence â€“switch onâ€“™ property. <i>New Journal of Chemistry</i> , 2018, 42, 5774-5784.	1.4	10
28	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. <i>Tetrahedron Letters</i> , 1996, 37, 6607-6610.	0.7	9
29	Thermoreversible Gelation of Poly(vinylidene fluoride- <i>co</i> -chlorotrifluoroethylene): Structure, Morphology, Thermodynamics, and Theoretical Prediction. <i>Macromolecules</i> , 2011, 44, 3029-3038.	2.2	9
30	Aggregation induction of tetraphenylethylene AIEgen and its supramolecular aggregates toward light-emitting diodes. <i>Journal of Solid State Chemistry</i> , 2020, 282, 121122.	1.4	9
31	Solvent Retention, Thermodynamics, Rheology and Small Angle X-ray Scattering Studies on Thermoreversible Poly(vinylidene fluoride) Gels. <i>Journal of Physical Chemistry B</i> , 2010, 114, 11420-11429.	1.2	8
32	Hexaphenylbenzene end-capped tri(p-phenylenevinylenes): synthesis and properties. <i>Tetrahedron Letters</i> , 2014, 55, 5203-5206.	0.7	5
33	Dibenzo[<i>a</i>],â€“phenazineâ€“Based Donorâ€“Acceptor (Dâ€“A) Tetra Branched Molecules: Fine Tuning of Optical Properties. <i>ChemistrySelect</i> , 2018, 3, 6953-6959.	0.7	5
34	Tandem Generation and Trapping of Furo[3,4-c]isoquinoline Intermediates Leading to the Synthesis of Phenanthridine Ring Systems. <i>Letters in Organic Chemistry</i> , 2009, 6, 372-376.	0.2	5
35	Synthesis and optical properties of bipolar quinoxaline-triphenylamine based stilbene compounds. <i>Optical Materials: X</i> , 2019, 1, 100013.	0.3	4
36	Synthesis and Photophysical Properties of Stilbenoid Dendrimers via Heck Reaction on a Tetraphenylethylene Core. <i>Bulletin of the Chemical Society of Japan</i> , 2010, 83, 1269-1271.	2.0	3

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37	Metallation of 2,4-Dialkoxy-5-bromopyrimidine and Formylation with Dimethylformamide: Isolation of 2,6-Dialkoxy-5-dimethylaminopyrimidine-4-carboxaldehyde. <i>Synthetic Communications</i> , 2010, 40, 1939-1943.	1.1	3
38	One-Pot Three-Component Synthesis of Quinoxaline, Quinazoline, and Phenazine Ring Systems Using Fischer Carbene Complexes. <i>Synthesis</i> , 2011, 2011, 1419-1426.	1.2	3
39	Design, Synthesis and Optical Response of Pyridine-Cored V-Shaped Stilbenoid Dendrimers. <i>Letters in Organic Chemistry</i> , 2010, 7, 203-207.	0.2	1
40	Multicomponent Approach for the Synthesis of Phenanthridine and Acridine Ring Systems via the Coupling of Fischer Carbene Complexes with HeteroAromatic o-Alkynyl Carbonyl Derivatives. <i>Synthesis</i> , 2010, 2010, 3179-3187.	1.2	1
41	Side Substituent Dependence of Photophysical Properties of 9-Arylanthracene-Based π -Conjugates. <i>Bulletin of the Chemical Society of Japan</i> , 2015, 88, 89-96.	2.0	1
42	Coupling of Fischer Carbene Complexes with o-Alkynylbenzamides.. <i>ChemInform</i> , 2004, 35, no.	0.1	0
43	Novel Synthesis of Isoquinolines Using IsobenzofuranA nitrile DielsA Alder Reactions.. <i>ChemInform</i> , 2004, 35, no.	0.1	0
44	Coupling of I^2 -Cyanocarbene-Chromium Complexes with 2-Alkynylbenzoyl Derivatives: A [5+5]-Cycloaddition Approach to Phenanthridines. <i>Synthesis</i> , 2006, 2006, 3661-3669.	1.2	0