

# Subrata Ghosh

## List of Publications by Year in descending order

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times ranked

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#	ARTICLE	IF	CITATIONS
1	[2+2] Photochemical Cycloaddition in Organic Synthesis. <i>European Journal of Organic Chemistry</i> , 2020, 2020, 1310-1326.	2.4	119
2	Stereoselective Preparation of Enantiomerically Pure Annulated Carbohydrates Using Ring-Closing Metathesis. <i>Journal of Organic Chemistry</i> , 2000, 65, 482-493.	3.2	70
3	Copper(I) catalysis of olefin photoreactions. 9. Photobicyclization of .alpha.-, .beta.-, and .gamma.-alkenylallyl alcohols. <i>Journal of the American Chemical Society</i> , 1982, 104, 998-1007.	13.7	66
4	Domino Metathesis Involving ROM-RCM of Substituted Norbornenes. Rapid Access to Densely Functionalized Tricyclic Bridged and Condensed Ring Systems. <i>Organic Letters</i> , 2007, 9, 2537-2540.	4.6	53
5	Synthetic Studies on Schisandra norriterpenoids. Stereocontrolled Synthesis of Enantiopure C-5-epi ABC Ring Systems of Micrandilactone A and Lancifodilactone G Using RCM. <i>Journal of Organic Chemistry</i> , 2010, 75, 4192-4200.	3.2	46
6	Hydroxyl-directed regioselective monodemethylation of polymethoxyarenes. <i>Journal of Organic Chemistry</i> , 1987, 52, 1072-1078.	3.2	45
7	Copper(I) catalysis of olefin photoreactions. 15. Synthesis of cyclobutanated butyrolactones via copper(I)-catalyzed intermolecular photocycloadditions of homoallyl vinyl or diallyl ethers. <i>Journal of Organic Chemistry</i> , 1987, 52, 83-90.	3.2	45
8	Factors influencing ring closure through olefin metathesis – A perspective. <i>Journal of Chemical Sciences</i> , 2006, 118, 223-235.	1.5	41
9	Regioselectivity and Stereospecificity in a Contrastereoelectronically Controlled Pinacol Rearrangement of Alkoxy-cyclobutane Derivatives. A Novel Route to Vicinally Substituted Cyclopentanones. <i>Journal of Organic Chemistry</i> , 1995, 60, 2526-2531.	3.2	40
10	Copper(I)-Catalyzed Intramolecular Asymmetric [2 + 2] Photocycloaddition. Synthesis of Both Enantiomers of Cyclobutane Derivatives. <i>Organic Letters</i> , 2004, 6, 1903-1905.	4.6	39
11	Convenient Route to Both Enantiomers of a Highly Functionalized Trans-Disubstituted Cyclopentene. Synthesis of the Carbocyclic Core of the Nucleoside BCA. <i>Journal of Organic Chemistry</i> , 2005, 70, 4199-4202.	3.2	37
12	Intramolecular [2 + 2] Photocycloaddition of Alkenes Incorporated in a Carbohydrate Template. Synthesis of Enantiopure Bicyclo[3.2.0]heptanes and -[6.3.0]undecanes. <i>Journal of Organic Chemistry</i> , 2003, 68, 3981-3989.	3.2	35
13	Stereocontrolled approach to highly substituted cyclopentanones. Application in a formal synthesis of 1 <sup>2</sup> 9(12)-capnellene. <i>Tetrahedron</i> , 1998, 54, 1789-1800.	1.9	32
14	Copper(I) catalysis of olefin photoreactions. 10. Synthesis of multicyclic carbon networks by photobicyclization. <i>Journal of Organic Chemistry</i> , 1982, 47, 829-836.	3.2	31
15	Synthesis of Fused Cyclic Systems Containing Medium-Sized Rings through Tandem ROM-RCM of Norbornene Derivatives Embedded in a Carbohydrate Template. <i>Journal of Organic Chemistry</i> , 2009, 74, 1957-1963.	3.2	31
16	A Convenient Approach for Access to Both Carbapentofuranoses and Carbahexopyranoses. Stereocontrolled Synthesis of Enantiopure Carba-d-ribofuranoses, Carba-d-arabinofuranoses and Carba-l-gulopyranose. <i>Journal of Organic Chemistry</i> , 2006, 71, 9687-9694.	3.2	30
17	Strategic use of retro Diels-Alder reaction in the construction of 1 <sup>2</sup> -carboxy-1 <sup>±</sup> -methylene-1 <sup>3</sup> -lactones. Total synthesis of methylenolactocin and protolichesterinic acid. <i>Tetrahedron</i> , 1997, 53, 17335-17342.	1.9	29
18	Domino Ring-Opening Metathesis – Ring-Closing Metathesis of Bicyclo[2.2.2]octene Derivatives: Scope and Limitations. <i>Journal of Organic Chemistry</i> , 2012, 77, 6345-6350.	3.2	29

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19	Photocycloaddition-cyclobutane rearrangement to spiro cyclopentanones: application in a formal synthesis of (±)-cedrene. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1995, , 2635-2641.	0.9	28
20	A Facile Access to Densely Functionalized Substituted Cyclopentanes and Spiro Cyclopentanes. Carbocation Stabilization Directed Bond Migration in Rearrangement of Cyclobutanes. <i>Journal of Organic Chemistry</i> , 1997, 62, 5211-5214.	3.2	28
21	A stereocontrolled approach for the synthesis of 2,5-diaryl-3,4-disubstituted furano lignans through a highly diastereoselective aldol condensation of an ester enolate with an $\alpha$ -chiral center: total syntheses of (±)-talaumidin and (±)-virgatusin. <i>Tetrahedron Letters</i> , 2008, 49, 3433-3436.	1.4	28
22	Expedient route to CDE ring system of schinrilactones through tandem ROM-RCM of a norbornene derivative. <i>Tetrahedron Letters</i> , 2010, 51, 2754-2757.	1.4	28
23	Alkoxy group facilitated ring closing metathesis (RCM) of acyclic 1,6-dienes. Convenient synthesis of non-racemic highly substituted cyclopentenols. <i>Tetrahedron Letters</i> , 2004, 45, 6457-6460.	1.4	27
24	Synthetic studies toward nortriterpenoids of schisandraceae family. Approach to the construction of functionalized C/D and A/B ring units of micrandilactone C and rubrifloradilactone B. <i>Tetrahedron Letters</i> , 2011, 52, 6473-6476.	1.4	26
25	Stereocontrolled total synthesis of (±)- $\beta$ -necrodol. <i>Tetrahedron Letters</i> , 1999, 40, 4401-4402.	1.4	24
26	Stereocontrolled approach to the highly functionalized bicyclo[3.2.0] heptane core of bielschowskyin through intramolecular Cu(I)-catalyzed [2+2] photocycloaddition. <i>Tetrahedron Letters</i> , 2012, 53, 6830-6833.	1.4	23
27	A convenient route to vicinally substituted cyclopentanones via pinacol type rearrangement of cyclobutanes. <i>Tetrahedron Letters</i> , 1993, 34, 4565-4566.	1.4	22
28	Intramolecular [2+2] photocycloaddition $\rightarrow$ cyclobutane rearrangement. A novel stereocontrolled approach to highly substituted cyclopentanones. <i>Tetrahedron Letters</i> , 1996, 37, 2073-2076.	1.4	22
29	A novel asymmetric approach to a densely functionalized lactarane ring system through a domino ring opening $\rightarrow$ ring closing metathesis of a norbornene derivative. <i>Tetrahedron Letters</i> , 2008, 49, 5649-5651.	1.4	22
30	Rapid assembly of the functionalized tricyclic core of umbellactal through domino metathesis involving ROM-RCM of a norbornene derivative. <i>Tetrahedron Letters</i> , 2008, 49, 1133-1136.	1.4	21
31	A novel route to usefully functionalised spiro[n.4] systems; application to a formal synthesis of (±)-cedrene. <i>Journal of the Chemical Society Chemical Communications</i> , 1993, , 783-784.	2.0	20
32	A short synthesis of (±)-methylene lactocin. <i>Tetrahedron Letters</i> , 1996, 37, 4809-4810.	1.4	20
33	A direct route to angularly substituted hydrindanes. Formal synthesis of bakkenolide-A and synthesis of an advanced intermediate to umbellactal. <i>Tetrahedron</i> , 2009, 65, 9202-9210.	1.9	20
34	The Copper(I) Catalysed [2 + 2] Intramolecular Photoannulation of Carbohydrate Derivatives. <i>Synlett</i> , 1999, 1999, 1003-1005.	1.8	19
35	Stereodivergent Approach to the Asymmetric Synthesis of Bacillariolides: A Formal Synthesis of $\beta$ -Bacillariolide II. <i>Organic Letters</i> , 2006, 8, 3781-3784.	4.6	19
36	Intramolecular [2+2] photocycloaddition for the direct stereoselective synthesis of cyclobutane fused $\beta$ -lactols. <i>Tetrahedron Letters</i> , 1999, 40, 6693-6694.	1.4	18

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37	A new stereoselective route to the carbocyclic nucleoside cyclobut-A. Journal of the Chemical Society, Perkin Transactions 1, 2001, , 3013-3016.	1.3	18
38	Enantiospecific synthesis of (+)-herbertene. Tetrahedron Letters, 2002, 43, 1313-1315.	1.4	18
39	The first total synthesis of sequoempervirin A through an orthoester Claisen rearrangementâ€”ring closing metathesis sequence. Tetrahedron Letters, 2007, 48, 3355-3358.	1.4	17
40	A new approach to A/B ring analogue of eleutherobin and sarcodictyins through a sequence of highly diastereofaceselective Dielsâ€”Alder reaction and ring openingâ€”ring closing metathesis (ROâ€”RCM). Tetrahedron Letters, 2009, 50, 3063-3066.	1.4	17
41	Expedient asymmetric synthesis of a functionalized 5-7-6 fused tricyclic skeleton present in caribenol A through ring opening-ring closing metathesis of a norbornene derivative. Tetrahedron Letters, 2009, 50, 5277-5279.	1.4	17
42	Studies towards the synthesis of bielschowskysin. Construction of the highly functionalized bicyclo[3.2.0]heptane segment. Organic and Biomolecular Chemistry, 2015, 13, 1846-1859.	2.8	17
43	A convenient access to the tricyclic core structure of hippolachnin A. Tetrahedron Letters, 2016, 57, 29-31.	1.4	17
44	Enantiodivergent synthesis of (âˆ”) -methylenolactocin and (+)-methylenolactocin from d-mannitol. Tetrahedron Letters, 2009, 50, 7102-7104.	1.4	16
45	An asymmetric route to total synthesis of the furano lignan (+)-veraguensin. Tetrahedron Letters, 2010, 51, 6924-6927.	1.4	15
46	Bicyclo[2.2.1]Heptane as Cyclopentane Precursor. Part 3<sup>1</sup>. A Convenient Route to [3.3.3]Propellanes. Synthetic Communications, 1989, 19, 3191-3197.	2.1	14
47	Unprecedented influence of remote substituents on reactivity and stereoselectivity in Cu(i)-catalysed [2 + 2] photocycloaddition. An approach towards the synthesis of tricycloclavulone. Organic and Biomolecular Chemistry, 2011, 9, 4903.	2.8	14
48	An efficient stereoselective route to the construction of tricyclic core structure towards the synthesis of the sesquiterpenes of the seco-prezizaane family. Tetrahedron Letters, 2011, 52, 1942-1945.	1.4	13
49	Domino ring-openingâ€”ring-closing enyne metathesis vs enyne metathesis of norbornene derivatives with alkynyl side chains. Construction of condensed polycarbocycles. Beilstein Journal of Organic Chemistry, 2018, 14, 2708-2714.	2.2	13
50	Photo-Induced diels-alder reaction. A novel route to trans fused benzobicyclo-[5.3.O]decanes and [5.4.O]undecanes. Tetrahedron Letters, 1985, 26, 5325-5326.	1.4	12
51	Intramolecular [2+2] photocycloaddition of 1,6-dienes incorporated in a furanose ring. Unusual formation of cis-syn-cis 6-oxatricyclo[6.2.0.03,7]decanes. Tetrahedron Letters, 2001, 42, 5997-6000.	1.4	12
52	A simple route to enantiopure bis-lactones: synthesis of both enantiomers of epi-nor-canadensolide, nor-canadensolide, and canadensolide. Tetrahedron, 2008, 64, 2359-2368.	1.9	11
53	An expeditious approach to highly functionalized angularly fused 5â€”5â€”n ring systems through ring openingâ€”ring closing metathesis of norbornene derivatives. Tetrahedron Letters, 2014, 55, 3538-3540.	1.4	11
54	Alkoxy group facilitated ring closing metathesis (RCM) of acyclic 1,6-dienes. Journal of Molecular Catalysis A, 2006, 254, 85-92.	4.8	10

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55	An expeditious route to trans fused 5a <sup>6</sup> and 6a <sup>6</sup> carbocycles through photoisomerisation-cycloaddition of benzocycloheptenone. <i>Tetrahedron</i> , 1988, 44, 6235-6240.	1.9	9
56	Total Synthesis of the Marine Polyketide (â <sup>7</sup> )-Gracilioether F. <i>Journal of Organic Chemistry</i> , 2017, 82, 7675-7682.	3.2	9
57	A simple route to the syntheses of both enantiomers of trans-oak lactone and (+)-cis-oak lactone. <i>Tetrahedron Letters</i> , 2008, 49, 5424-5426.	1.4	7
58	A simple approach to the construction of the core structure present in bielschowskysin and hippolachnin A. <i>Journal of Chemical Sciences</i> , 2016, 128, 1019-1023.	1.5	7
59	Effect of ring fusion stereochemistry on double bond geometry. Unexpected formation of nine-membered cyclic ether with E-configured double bond through RCM. <i>Tetrahedron</i> , 2010, 66, 9159-9164.	1.9	6
60	Unprecedented copper(I)-catalyzed photochemical reaction of diethyl ether with vicinal diols and ketals. <i>Tetrahedron Letters</i> , 2010, 51, 4452-4454.	1.4	6
61	A New Route to the Synthesis of 7-Functionalised Bicyclo[2.2.1]Heptane Derivatives. <i>Synthetic Communications</i> , 1991, 21, 2129-2136.	2.1	5
62	Influence of ring fusion stereochemistry on the stereochemical outcome in photo-induced Dielsâ <sup>8</sup> Alder reaction of fused bicycloheptenone derivatives. <i>Tetrahedron</i> , 2014, 70, 9783-9790.	1.9	5
63	Intramolecular Dielsâ <sup>8</sup> Alder route to angularly oxygenated hydrindanes. Synthesis of the functionalized bicyclic skeleton present in galiellalactone. <i>Tetrahedron</i> , 2013, 69, 7956-7963.	1.9	4
64	An asymmetric route to 2,3-epoxy-syn-1,4-cyclohexane diol derivatives using ring closing metathesis (RCM). <i>Journal of Chemical Sciences</i> , 2010, 122, 791-800.	1.5	3
65	Reaction of bis-Lactone in Rigid Polycycles with Alkyl Lithiums. Synthesis of Novel Oxa-Cace Compounds. <i>Synthetic Communications</i> , 1995, 25, 3723-3728.	2.1	2
66	Asymmetric synthesis of a functionalized tricyclo[6.2.0.0 <sup>2,6</sup> ]decane ring system present in kelsoene and poduran. <i>Journal of Chemical Sciences</i> , 2014, 126, 1875-1882.	1.5	2
67	Sequential ring-closing enyne metathesis and intramolecular Dielsâ <sup>8</sup> Alder reaction: an approach to the synthesis of the core structure of galiellalactone. <i>Journal of Chemical Sciences</i> , 2020, 132, 1.	1.5	2
68	Synthesis of Methyl-6-methyl Tricyclo[5.2.1.0 <sup>2,6</sup> ]decan-9-one-2-carboxylate: Potential Intermediate to Isocomene and Cuprenolide. <i>Synthetic Communications</i> , 1995, 25, 3713-3722.	2.1	1
69	Influence of alkene substituent in dictating the reaction course to form carbocycles or oxacycles during ring closing metathesis of acyclic trienes. <i>Journal of Chemical Sciences</i> , 2017, 129, 1873-1881.	1.5	1