

# Debayan Sarkar

## List of Publications by Year in descending order

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Version: 2024-02-01

50  
papers

1,114  
citations

623734

14  
h-index

395702

33  
g-index

52  
all docs

52  
docs citations

52  
times ranked

1198  
citing authors

#	ARTICLE	IF	CITATIONS
1	P2X2 receptor subunit interfaces are missense variant hotspots, where mutations tend to increase apparent ATP affinity. <i>British Journal of Pharmacology</i> , 2022, 179, 3859-3874.	5.4	1
2	Synthesis and structural anomaly of <i>xyloketals</i> unique benzoxacycles: A review. <i>Journal of Heterocyclic Chemistry</i> , 2021, 58, 8-27.	2.6	8
3	Ion channel engineering using protein trans-splicing. <i>Methods in Enzymology</i> , 2021, 654, 19-48.	1.0	4
4	Ruthenium (VIII) Catalysed Dearomative Pyridyl C <sup>α</sup> X Activation: Direct Synthesis of N-Alkylpyridones. <i>Asian Journal of Organic Chemistry</i> , 2021, 10, 1786-1794.	2.7	2
5	Organoacid Catalysed Synthesis of 2,2-Disubstituted Chromans and 1,1-Disubstituted Indanols/Indenols. <i>ChemistrySelect</i> , 2021, 6, 6193-6196.	1.5	3
6	A year away to 100th year of vitamin E synthesis. <i>Journal of Heterocyclic Chemistry</i> , 2021, 58, 1741-1748.	2.6	9
7	Gold(III) catalyzed stereoselective synthesis of dialkyl dihydrofuran acetates. <i>Tetrahedron</i> , 2021, 95, 132367.	1.9	0
8	A combined experimental and theoretical analysis on the solid-state supramolecular assemblies of pent-2-ynol derivatives. <i>Journal of Molecular Structure</i> , 2021, 1243, 130813.	3.6	4
9	Regioselective C(sp <sup>2</sup> ) <sup>α</sup> C(sp <sup>3</sup> ) Oxidative Bond Cleavage of 1-(Hydroxyalkyl)naphthalenes: First Synthesis of 1-Azido-2-halo-naphthalene (1 <i>H</i> )ones. <i>Israel Journal of Chemistry</i> , 2021, 61, 327-331.	2.3	2
10	[2+2] Photochemical Cycloaddition in Organic Synthesis. <i>European Journal of Organic Chemistry</i> , 2020, 2020, 1310-1326.	2.4	119
11	Copper(I) catalyzed direct synthesis of 2-methylene-4-chromanols. <i>Tetrahedron Letters</i> , 2020, 61, 151341.	1.4	2
12	Visible Light Assisted Selenylative Intramolecular Dearomative Carbo- <i>spiro</i> cyclisation (IDCS) of Homologated Yrones. <i>European Journal of Organic Chemistry</i> , 2020, 2020, 891-896.	2.4	18
13	Copper(I)-Catalyzed Synthesis of Functionalized Indolizinones from Substituted Pyridine Homologated Yrones. <i>Journal of Organic Chemistry</i> , 2020, 85, 902-911.	3.2	13
14	Stereoselective Synthesis of Spiro-Azacycles Through Triethylbromide Mediated Oxidative Dearomatization. <i>European Journal of Organic Chemistry</i> , 2020, 2020, 397-401.	2.4	6
15	Gram scale synthesis of alpha-cyanoalkylboronic esters via direct B=C and C=N bond cleavage. <i>Synthetic Communications</i> , 2020, 50, 3308-3313.	2.1	0
16	Febrile temperature change modulates CD4 T cell differentiation via a TRPV channel-regulated Notch-dependent pathway. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 22357-22366.	7.1	24
17	Copper( <i>i</i> ) catalyzed synthesis of selanyl methylene 4-chromanol and aurone derivatives. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 4619-4627.	2.8	7
18	Revisiting the Addition of <i>in situ</i> Nucleophiles to Allenic Ketones: An Entry Towards Synthesis of Benzodioxins. <i>European Journal of Organic Chemistry</i> , 2020, 2020, 1727-1731.	2.4	4

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19	Stereoselective synthesis of para-quinone monoketals through tri-bromide (TBr) mediated oxidative dearomatization of phenols. <i>Tetrahedron Letters</i> , 2020, 61, 151646.	1.4	4
20	Direct synthesis of regioselective $\beta$ -allyl $\beta$ -selanyl ketones and selanyl tetra-hydrofurans. <i>Tetrahedron Letters</i> , 2020, 61, 151920.	1.4	1
21	Controlling Stereoselectivity in Tribromide Mediated Oxidative Dearomatisations – Synthesis of Selective Spirofurano-naphthalones. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 5894-5904.	2.4	7
22	Redox Economic Synthesis of Trisubstituted Piperidones via Ruthenium Catalyzed Atom-Economic Couplings of N-Protected 1,5-Aminoalcohols and Michael Acceptors. <i>Advanced Synthesis and Catalysis</i> , 2019, 361, 5648-5653.	4.3	3
23	Ruthenium(VIII)-Catalyzed <i>ipso</i> -Dearomative Spiro-Etherification and Spiro-Amidation of Phenols. <i>Organic Letters</i> , 2019, 21, 4132-4136.	4.6	14
24	Monohydrochloride Assisted Synthesis of Functionalized Isoxazoles and Pyrazoles from Allenic Ketones: First Synthesis of ( <i>Z</i> )-2-Methyl-7H-benzo[b]pyrazolo[5,1-d][1,5]oxazocines. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 2035-2049.	2.4	5
25	Radical-induced expeditious stereoselective synthesis of 2-alkyl 3-allyl trans-2,3-dihydrobenzofurans (TADHBs). <i>Synthetic Communications</i> , 2018, 48, 574-581.	2.1	2
26	Rhodium-Catalyzed Insertion Reaction of PhP Group of Pentaphenylcyclopentaphosphine with Acyclic and Cyclic Disulfides. <i>Organic Letters</i> , 2018, 20, 938-941.	4.6	12
27	A Dual-App Nucleoside Probe Provides Structural Insights into the Human Telomeric Overhang in Live Cells. <i>Journal of the American Chemical Society</i> , 2018, 140, 12622-12633.	13.7	57
28	PTAB mediated open air synthesis of sulfonamides, thiosulfonates and symmetrical disulfanes. <i>Tetrahedron Letters</i> , 2018, 59, 2360-2364.	1.4	15
29	Protein-Lipid Interfaces Can Drive the Functions of Membrane-Embedded Protein-Protein Complexes. <i>ACS Chemical Biology</i> , 2018, 13, 2689-2698.	3.4	7
30	Story of Helianane and Heliannuols - Unique Structurally Diverse Benzoxacycles, Interesting Intrigues and Structural Anomaly. <i>Current Organic Chemistry</i> , 2018, 22, 18-56.	1.6	13
31	A Jack of Trio – robust one-pot metal free oxidative amination, azidation and peroxidation of phenols. <i>New Journal of Chemistry</i> , 2017, 41, 3715-3718.	2.8	27
32	Stereoselective synthesis of Heliannuol G. <i>Tetrahedron Letters</i> , 2017, 58, 4336-4339.	1.4	7
33	Atom-Economical Palladium Carbon-Catalyzed <i>de Novo</i> Synthesis of Trisubstituted Nicotinonitriles. <i>Journal of Organic Chemistry</i> , 2017, 82, 9012-9022.	3.2	13
34	Facile TMSOI catalysed stereoselective synthesis of 2-Methylene selanyl-4-chromanols and anti-cancer activity. <i>Tetrahedron</i> , 2017, 73, 7200-7209.	1.9	12
35	Phenyl trimethyl ammonium tribromide mediated robust one-pot synthesis of spiro-oxacycles – an economic route – stereoselective synthesis of oxaspirohexacyclodieneones. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 7883-7898.	2.8	23
36	Synergistic interactions of surfactant blends in aqueous medium are reciprocated in non-polar medium with improved efficacy as a nanoreactor. <i>RSC Advances</i> , 2016, 6, 55104-55116.	3.6	8

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37	PhSeBr mediated hydroxylative oxidative dearomatization of naphthols – an open air facile one-pot synthesis of ketols. RSC Advances, 2016, 6, 26886-26894.	3.6	13
38	Unprecedented C-Methylation at the 2-Position of 2-Carboxy- 4-Chromanones – A Case Study with the Corey–Chaykovsky Reagent. Synlett, 2015, 26, 2472-2472.	1.8	0
39	Unprecedented C-Methylation at the 2-Position of 2-Carboxy-4-Chromanones – A Case Study with the Corey–Chaykovsky Reagent. Synlett, 2014, 25, 2649-2653.	1.8	4
40	Unprecedented C-Methylation at the 2-Position of 2-Carboxy-4-Chromanones – A Case Study with the Corey–Chaykovsky Reagent. Synlett, 2014, 25, e4-e4.	1.8	0
41	Insight into supramolecular self-assembly directed by weak interactions in acetophenone derivatives: crystal structures and Hirshfeld surface analyses. CrystEngComm, 2011, 13, 6728.	2.6	161
42	Use of – forces to steer the assembly of chromone derivatives into hydrogen bonded supramolecular layers: crystal structures and Hirshfeld surface analyses. CrystEngComm, 2011, 13, 4528.	2.6	209
43	On the Possibility of Tuning Molecular Edges To Direct Supramolecular Self-Assembly in Coumarin Derivatives through Cooperative Weak Forces: Crystallographic and Hirshfeld Surface Analyses. Crystal Growth and Design, 2011, 11, 4837-4849.	3.0	184
44	Biomimetic type approach to the tricyclic core of xyloketal. Application to a short, stereocontrolled synthesis of alboatrin and first synthesis of xyloketal G. Tetrahedron, 2011, 67, 4559-4568.	1.9	18
45	Synthesis of bruguierol A employing ring closing metathesis. Tetrahedron Letters, 2011, 52, 3232-3233.	1.4	7
46	A biomimetic type expedient approach to the tricyclic core of xyloketal. Application to a short, stereocontrolled synthesis of alboatrin and a remarkable epi to natural isomerisation. Tetrahedron Letters, 2009, 50, 1431-1434.	1.4	11
47	Expedient synthesis of helianane and C-10 halogenated heliananes employing ring-closing metathesis. Tetrahedron Letters, 2009, 50, 4683-4684.	1.4	18
48	Total synthesis of alboatrin, a phytotoxic metabolite from Verticillium alboatrum. Tetrahedron, 2008, 64, 3212-3216.	1.9	25
49	Facile Aromatic Claisen Rearrangement Catalysed by Tin(IV) Chloride. Synlett, 2008, 2008, 653-654.	1.8	5
50	Gold(III)-catalyzed synthesis of 2,5-disubstituted furans from substituted 5-methoxyhex-3-en-2-ols – Mechanistic outlook. Synthetic Communications, 0, , 1-9.	2.1	1