# Debayan Sarkar

List of Publications by Year
in descending order



| 50 | 1,114 | 623734 | 395702 |
|---|---|---|---|
| papers | citations | 14 h-index | 33 g-index |

| 52 | 52 | 52 | 1198 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Use of Ï€â€“Ï€ 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 |
| 2 | 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 |
| 3 | 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 |
| 4 | [2+2] Photochemical Cycloaddition in Organic Synthesis. European Journal of Organic Chemistry, 2020, 2020, 1310-1326. | 2.4 | 119 |
| 5 | A Dual-App Nucleoside Probe Provides Structural Insights into the Human Telomeric Overhang in Live Cells. Journal of the American Chemical Society, 2018, 140, 12622-12633. | 13.7 | 57 |
| 6 | â€œA Jack of Trioâ€•robust one-pot metal free oxidative amination, azidation and peroxidation of phenols. New Journal of Chemistry, 2017, 41, 3715-3718. | 2.8 | 27 |
| 7 | Total synthesis of alboatrin, a phytotoxic metabolite from Verticillium alboatrum. Tetrahedron, 2008, 64, 3212-3216. | 1.9 | 25 |
| 8 | Febrile temperature change modulates CD4 T cell differentiation via a TRPV channel-regulated Notch-dependent pathway. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 22357-22366. | 7.1 | 24 |
| 9 | Phenyl trimethyl ammonium tribromide mediated robust one-pot synthesis of spiro-oxacycles â€“ an economic route â€“ stereoselective synthesis of oxaspirohexacyclodieneones. Organic and Biomolecular Chemistry, 2016, 14, 7883-7898. | 2.8 | 23 |
| 10 | Expeditious synthesis of helianane and C-10 halogenated heliananes employing ring-closing metathesis. Tetrahedron Letters, 2009, 50, 4683-4684. | 1.4 | 18 |
| 11 | Biomimetic type approach to the tricyclic core of xyloketals. Application to a short, stereocontrolled synthesis of alboatrin and first synthesis of xyloketal G. Tetrahedron, 2011, 67, 4559-4568. | 1.9 | 18 |
| 12 | Visible Light Assisted Selenylative Intramolecular Dearomative Carboâ€Spirocyclisation (IDCS) of Homologatedâ€Ynones. European Journal of Organic Chemistry, 2020, 2020, 891-896. | 2.4 | 18 |
| 13 | PTAB mediated open air synthesis of sulfonamides, thiosulfonates and symmetrical disulfanes. Tetrahedron Letters, 2018, 59, 2360-2364. | 1.4 | 15 |
| 14 | Ruthenium(VIII)-Catalyzed ipso-Dearomative Spiro-Etherification and Spiro-Amidation of Phenols. Organic Letters, 2019, 21, 4132-4136. | 4.6 | 14 |
| 15 | PhSeBr mediated hydroxylative oxidative dearomatization of naphthols â€“ an open air facile one-pot synthesis of ketols. RSC Advances, 2016, 6, 26886-26894. | 3.6 | 13 |
| 16 | Atom-Economical Palladium Carbon-Catalyzed de Novo Synthesis of Trisubstituted Nicotinonitriles. Journal of Organic Chemistry, 2017, 82, 9012-9022. | 3.2 | 13 |
| 17 | Story of Helianane and Heliannuols - Unique Structurally Diverse Benzoxacycles, Interesting Intrigues and Structural Anomaly. Current Organic Chemistry, 2018, 22, 18-56. | 1.6 | 13 |
| 18 | Copper(I)-Catalyzed Synthesis of Functionalized Indolizinones from Substituted Pyridine Homologated Ynones. Journal of Organic Chemistry, 2020, 85, 902-911. | 3.2 | 13 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Facile TMSOI catalysed stereoselective synthesis of 2-Methylene selanyl-4-chromanols and anti-cancer activity. Tetrahedron, 2017, 73, 7200-7209. | 1.9 | 12 |
| 20 | Rhodium-Catalyzed Insertion Reaction of PhP Group of Pentaphenylcyclopentaphosphine with Acyclic and Cyclic Disulfides. Organic Letters, 2018, 20, 938-941. | 4.6 | 12 |
| 21 | A biomimetic type expedient approach to the tricyclic core of xyloketals. Application to a short, stereocontrolled synthesis of alboatrin and a remarkable epi to natural isomerisation. Tetrahedron Letters, 2009, 50, 1431-1434. | 1.4 | 11 |
| 22 | A year away to 100th year of vitamin E synthesis. Journal of Heterocyclic Chemistry, 2021, 58, 1741-1748. | 2.6 | 9 |
| 23 | Synergistic interactions of surfactant blends in aqueous medium are reciprocated in non-polar medium with improved efficacy as a nanoreactor. RSC Advances, 2016, 6, 55104-55116. | 3.6 | 8 |
| 24 | Synthesis and structural anomaly of <scp>xyloketalsâ€unique</scp> benzoxacycles: A review. Journal of Heterocyclic Chemistry, 2021, 58, 8-27. | 2.6 | 8 |
| 25 | Synthesis of bruguierol A employing ring closing metathesis. Tetrahedron Letters, 2011, 52, 3232-3233. | 1.4 | 7 |
| 26 | Stereoselective synthesis of Heliannuol G. Tetrahedron Letters, 2017, 58, 4336-4339. | 1.4 | 7 |
| 27 | Proteinâ€“Lipid Interfaces Can Drive the Functions of Membrane-Embedded Proteinâ€“Protein Complexes. ACS Chemical Biology, 2018, 13, 2689-2698. | 3.4 | 7 |
| 28 | Controlling Stereoselectivity in Tribromide Mediated Oxidative Dearomatisations â€“ Synthesis of Selective Spirofuranoâ€naphthalones. European Journal of Organic Chemistry, 2019, 2019, 5894-5904. | 2.4 | 7 |
| 29 | Copper(<scp>i</scp>) catalyzed synthesis of selanyl methylene 4-chromanol and aurone derivatives. Organic and Biomolecular Chemistry, 2020, 18, 4619-4627. | 2.8 | 7 |
| 30 | Stereoselective Synthesis of Spiroâ€Azacycles Through Triâ€bromide Mediated Oxidative Dearomatization. European Journal of Organic Chemistry, 2020, 2020, 397-401. | 2.4 | 6 |
| 31 | Facile Aromatic Claisen Rearrangement Catalysed by Tin(IV) Chloride. Synlett, 2008, 2008, 653-654. | 1.8 | 5 |
| 32 | Monohydrochloride Assisted Synthesis of Functionalized Isoxazoles and Pyrazoles from Allenic Ketones: First Synthesis of (Z)â€2â€Methylâ€7Hâ€benzo[b]pyrazolo[5,1â€d][1,5]oxazocines. European Journal of Organic Chemistry, 2019, 2019, 2035-2049. | 2.4 | 5 |
| 33 | Unprecedented C-Methylation at the 2-Position of 2-Carboxy-4-Chromanones â€“ A Case Study with the Coreyâ€“Chaykovsky Reagent. Synlett, 2014, 25, 2649-2653. | 1.8 | 4 |
| 34 | Revisiting the Addition of inâ€situ Nucleophiles to Allenic Ketones: An Entry Towards Synthesis of Benzodioxins. European Journal of Organic Chemistry, 2020, 2020, 1727-1731. | 2.4 | 4 |
| 35 | Stereoselective synthesis of para-quinone monoketals through tri-bromide (TBr) mediated oxidative dearomatization of phenols. Tetrahedron Letters, 2020, 61, 151646. | 1.4 | 4 |
| 36 | Ion channel engineering using protein trans-splicing. Methods in Enzymology, 2021, 654, 19-48. | 1.0 | 4 |

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|---|---|---|---|
| 37 | A combined experimental and theoretical analysis on the solid-state supramolecular assemblies of pentâ€'2-ynol derivatives. Journal of Molecular Structure, 2021, 1243, 130813. | 3.6 | 4 |
| 38 | Redox Economic Synthesis of TrisubstitutedPiperidones via Ruthenium Catalyzed Atomâ€Economic Couplings of Nâ€Protected 1,5â€Aminoalcohols and Michael Acceptors. Advanced Synthesis and Catalysis, 2019, 361, 5648-5653. | 4.3 | 3 |
| 39 | Organoâ€Acid Catalysed Synthesis of 2,2â€Disubstituted Chromans and 1,1â€Disubstituted Indanols/ Indenols. ChemistrySelect, 2021, 6, 6193-6196. | 1.5 | 3 |
| 40 | Radical-induced expeditious stereoselective synthesis of 2-alkyl 3-allyl trans-2,3-dihydrobenzofurans (TADHBs). Synthetic Communications, 2018, 48, 574-581. | 2.1 | 2 |
| 41 | Copper(I) catalysed direct synthesis of 2-methylene-4-chromanols. Tetrahedron Letters, 2020, 61, 151341. | 1.4 | 2 |
| 42 | Ruthenium (VIII) Catalysed Dearomative Pyridyl Câ^'X Activation: Direct Synthesis of N â€•Alkylâ€2â€pyridones. Asian Journal of Organic Chemistry, 2021, 10, 1786-1794. | 2.7 | 2 |
| 43 | Regioselective C(sp<sup>2</sup>)â^'C(sp<sup>3</sup>) Oxidative Bond Cleavage of 1â€(1â€Hydroxyalkyl) naphthalenâ€2â€ols: First Synthesis of 1â€Azidoâ€haloâ€naphthaleneâ€2(1H)â€ones. Israel Journal of Chemistry, 2021, 61, 327-331. | 2.3 | 2 |
| 44 | Direct synthesis of regioselective Î±-allyl Î±-selanyl ketones and selanyl tetra-hydrofurans. Tetrahedron Letters, 2020, 61, 151920. | 1.4 | 1 |
| 45 | Gold(III)-catalyzed synthesis of 2,5-disubstituted furans from substituted 5-methoxyhex-3-yn-2-olsâ€"Mechanistic outlook. Synthetic Communications, 0, , 1-9. | 2.1 | 1 |
| 46 | P2X2 receptor subunit interfaces are missense variant hotspots, where mutations tend to increase apparent ATP affinity. British Journal of Pharmacology, 2022, 179, 3859-3874. | 5.4 | 1 |
| 47 | Unprecedented C-Methylation at the 2-Position of 2-Carboxy-4-Chromanones â€" A Case Study with the Coreyâ€"Chaykovsky Reagent. Synlett, 2014, 25, e4-e4. | 1.8 | 0 |
| 48 | Unprecedented C-Methylation at the 2-Position of 2-Carboxy- 4-Chromanones â€" A Case Study with the Coreyâ€"Chaykovsky Reagent. Synlett, 2015, 26, 2472-2472. | 1.8 | 0 |
| 49 | Gram scale synthesis of alpha-cyanoalkylboronic esters via direct Bâ€"B and Câ€"N bond cleavage. Synthetic Communications, 2020, 50, 3308-3313. | 2.1 | 0 |
| 50 | Gold(III) catalyzed stereoselective synthesis of dialkyl dihydrofuran acetates. Tetrahedron, 2021, 95, 132367. | 1.9 | 0 |