

# Asish R Das

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/442404/publications.pdf>

Version: 2024-02-01

63  
papers

2,240  
citations

186265

28  
h-index

223800

46  
g-index

90  
all docs

90  
docs citations

90  
times ranked

2386  
citing authors

#	ARTICLE	IF	CITATIONS
1	An iron-catalyzed domino reaction of donor-acceptor cyclopropanes: a diastereoselective approach towards diversely functionalized pyrrolo-quinazolines. <i>Organic and Biomolecular Chemistry</i> , 2022, , .	2.8	3
2	Accessing oxy-functionalized N-heterocycles through rose bengal and TBHP integrated photoredox C(sp <sup>3</sup> )-O cross-coupling. <i>Organic and Biomolecular Chemistry</i> , 2022, 20, 2939-2963.	2.8	4
3	Synthesis, properties and catalysis of quantum dots in C-C and C-heteroatom bond formations. <i>ChemistrySelect</i> , 2022, .	1.5	0
4	Microwave-assisted Palladium-catalyzed C-H Bond Functionalizations Towards the Synthesis of Bio-inspired Heterocycles. <i>Current Microwave Chemistry</i> , 2021, 8, 58-95.	0.8	2
5	Hypervalent iodine promoted <i>ortho</i> diversification: 2-aryl benzimidazole, quinazoline and imidazopyridine as directing templates. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 941-955.	2.8	16
6	Activation of SIRT1/PGC 1±/SIRT3 pathway by melatonin provides protection against mitochondrial dysfunction in isoproterenol induced myocardial injury. <i>Heliyon</i> , 2020, 6, e05159.	3.2	15
7	On water-palladium catalyzed diastereoselective boronic acid addition to structurally diverse cyclopropane nitriles. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 8886-8898.	2.8	7
8	Nanocrystalline ZnO: A Competent and Reusable Catalyst for the Preparation of Pharmacology Relevant Heterocycles in the Aqueous Medium. <i>Current Green Chemistry</i> , 2020, 7, 53-104.	1.1	6
9	Magnetically Recyclable Nano Nickel Ferrite Catalyzed One-pot Chalcogenation of Bioactive Heterocycles Under Aerobic Condition. <i>ChemistrySelect</i> , 2019, 4, 1971-1978.	1.5	8
10	I <sub>2</sub> /TBHP promoted oxidative C-N bond formation at room temperature: Divergent access of 2-substituted benzimidazoles involving ring distortion. <i>Tetrahedron Letters</i> , 2018, 59, 2520-2525.	1.4	19
11	Synthesis of Novel tricyclic pyrazolo(1,4)oxathiopyrazines and Evaluation of Their Competency Towards the Inhibition of Lactate Dehydrogenase Activity-Inhibition of LDH Activity. <i>Drug Research</i> , 2018, 68, 653-660.	1.7	0
12	Practical application of PhI(OAc) <sub>2</sub> /I <sub>2</sub> combination to synthesize benzimidazoles from 2-aminobenzylamine through ring distortion strategy. <i>Tetrahedron Letters</i> , 2017, 58, 1046-1049.	1.4	10
13	A green synthetic approach toward the synthesis of structurally diverse spirooxindole derivative libraries under catalyst-free conditions. <i>Molecular Diversity</i> , 2017, 21, 325-337.	3.9	24
14	Spirocyclopropanes from Intramolecular Cyclopropanation of Pyranopyrazoles and Pyranopyrimidine-diones and Lewis Acid Mediated (3 + 2) Cycloadditions of Spirocyclopropylpyrazolones. <i>Journal of Organic Chemistry</i> , 2017, 82, 2794-2802.	3.2	38
15	A facile and versatile protocol for the one-pot PhI(OAc) <sub>2</sub> mediated divergent synthesis of quinazolines from 2-aminobenzylamine. <i>Tetrahedron Letters</i> , 2017, 58, 2044-2049.	1.4	29
16	Cu <sup>I</sup> -Zn(OAc) <sub>2</sub> catalyzed C(sp <sup>2</sup> )-H activation for the synthesis of pyridocoumarins through an uncommon Cu <sup>I</sup> -Cu <sup>III</sup> switching mechanism: A fast, solvent-free, combo-catalytic, ball milling approach. <i>Tetrahedron Letters</i> , 2017, 58, 2602-2607.	1.4	22
17	One-flask synthesis of pyrazolone thioethers involving catalyzed and uncatalyzed thioetherification pathways of pyrazolones. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 7267-7271.	2.8	14
18	Access of Diverse 2-Pyrrolidinone, 3,4,5-Substituted Furanone and 2-Oxo-dihydropyrroles Applying Graphene Oxide Nanosheet: Unraveling of Solvent Selectivity. <i>ChemistrySelect</i> , 2017, 2, 10249-10260.	1.5	18

#	ARTICLE	IF	CITATIONS
19	Ethyl Lactate As a Green Solvent: A Promising Bio-compatible Media for Organic Synthesis. <i>Current Green Chemistry</i> , 2016, 3, 111-118.	1.1	36
20	Diastereoselective Synthesis of Structurally and Stereochemically Diversified 2-Oxa-7-azabicyclo[4.1.0]hept-3-enyl Carboxylates and Their Potential Application toward the Synthesis of Functionalized Pyranooxazolone and Pyrrole Derivatives through Skeletal Transformations. <i>Journal of Organic Chemistry</i> , 2016, 81, 5513-5524.	3.2	13
21	Practical carbocatalysis by graphene oxide nanosheets in aqueous medium towards the synthesis of diversified dibenzo[1,4]diazepine scaffolds. <i>RSC Advances</i> , 2016, 6, 88904-88910.	3.6	40
22	Facile and eco-friendly synthesis of chromeno[4,3-b]pyrrol-4(1H)-one derivatives applying magnetically recoverable nano crystalline $\text{CuFe}_2\text{O}_4$ involving a domino three-component reaction in aqueous media. <i>RSC Advances</i> , 2016, 6, 55033-55038.	3.6	47
23	Facile synthesis of functionalized 6-cyano-2-oxa-7-azabicyclo[4.1.0]hept-3-en-1-yl acetates: a catalyst free approach to access the pyran fused 2-acetoxy-NH-aziridines. <i>RSC Advances</i> , 2016, 6, 132-139.	3.6	10
24	Synthesis of 2,3-dihydroquinazolinones and quinazolin-4(3H)-ones catalyzed by graphene oxide nanosheets in an aqueous medium: $\text{H}_2\text{O}$ -synthesis accompanied by carbocatalysis and selective C-C bond cleavage. <i>RSC Advances</i> , 2016, 6, 22320-22330.	3.6	57
25	Synthesis of indeno and acenaphtho cores containing dihydroxy indolone, pyrrole, coumarin and uracil fused heterocyclic motifs under sustainable conditions exploring the catalytic role of the $\text{SnO}_2$ quantum dot. <i>RSC Advances</i> , 2015, 5, 12062-12070.	3.6	29
26	Graphene oxide nanosheets: a highly efficient and reusable carbocatalyst catalyzes the Michael-cyclization reactions of 4-hydroxycoumarins, 4-hydroxypyron and 4-hydroxy-1-methylquinolinone with chalcone derivatives in aqueous media. <i>RSC Advances</i> , 2015, 5, 60199-60207.	3.6	19
27	Expeditious synthesis of functionalized tricyclic 4-spiro pyrano[2,3-c]pyrazoles in aqueous medium using dodecylbenzenesulphonic acid as a Brønsted acid-surfactant-combined catalyst. <i>New Journal of Chemistry</i> , 2015, 39, 9480-9486.	2.8	16
28	Alum-Catalyzed Synthesis of 3-(1H-Pyrrol-2-yl)-2H-chromen-2-ones: A Water-PEG 400 Binary Solvent Mediated, One-Pot, Three-Component Protocol. <i>Synthesis</i> , 2014, 46, 828-828.	2.3	0
29	A facile and efficient synthesis of functionalized 4-oxo-2-(phenylimino)thiazolidin-5-ylideneacetate derivatives via a $\text{CuFe}_2\text{O}_4$ magnetic nanoparticles catalyzed regioselective pathway. <i>New Journal of Chemistry</i> , 2014, 38, 2787-2791.	2.8	33
30	Magnetically Retrievable Nano Crystalline Nickel Ferrite-Catalyzed Aerobic, Ligand-Free $\text{C}\equiv\text{N}$ , $\text{C}\equiv\text{O}$ and $\text{C}\equiv\text{C}$ Cross-Coupling Reactions for the Synthesis of a Diversified Library of Heterocyclic Molecules. <i>Advanced Synthesis and Catalysis</i> , 2014, 356, 1301-1316.	4.3	39
31	Uncapped $\text{SnO}_2$ quantum dot catalyzed cascade assembling of four components: a rapid and green approach to the pyrano[2,3-c]pyrazole and spiro-2-oxindole derivatives. <i>Tetrahedron</i> , 2014, 70, 6088-6099.	1.9	73
32	Synthesis of a diversified combinatorial library of 1H-pyrazolo[1,2-b]phthalazine-5,10-dione derivatives applying sustainable carbon-based solid acid catalyst involving a domino four-component reaction. <i>Monatshefte für Chemie</i> , 2014, 145, 1343-1352.	1.8	7
33	PhIO promoted synthesis of nitrile imines and nitrile oxides within a micellar core in aqueous media: a regiocontrolled approach to synthesizing densely functionalized pyrazole and isoxazoline derivatives. <i>RSC Advances</i> , 2014, 4, 8300.	3.6	39
34	Magnetically retrievable nano crystalline $\text{CuFe}_2\text{O}_4$ catalyzed multi-component reaction: a facile and efficient synthesis of functionalized dihydropyrano[2,3-c]pyrazole, pyrano[3,2-c]coumarin and 4H-chromene derivatives in aqueous media. <i>Catalysis Science and Technology</i> , 2014, 4, 822.	4.1	73
35	Synthesis of a $\text{SO}_3\text{H}$ -bearing carbonaceous solid catalyst, PEG-SAC: application for the easy access to a diversified library of pyran derivatives. <i>RSC Advances</i> , 2013, 3, 14254.	3.6	20
36	Light induced synthesis of symmetrical and unsymmetrical dihydropyridines in ethyl lactate-water under tunable conditions. <i>Tetrahedron Letters</i> , 2013, 54, 138-142.	1.4	63

#	ARTICLE	IF	CITATIONS
37	Facile synthesis of pyridopyrimidine and coumarin fused pyridine libraries over a Lewis base-surfactant-combined catalyst TEOA in aqueous medium. <i>RSC Advances</i> , 2013, 3, 3203.	3.6	45
38	Expedient Synthesis of Biologically Potent Aryloxycoumarins and (Aryloxyimino)ethylcoumarins via Copper(II)-Promoted Chan-Lam Coupling Reaction. <i>Synthetic Communications</i> , 2013, 43, 169-181.	2.1	10
39	Dual role of the polymer supported catalyst PEG-OSO <sub>3</sub> H in aqueous reaction medium: synthesis of highly substituted structurally diversified coumarin and uracil fused spirooxindoles. <i>Tetrahedron Letters</i> , 2013, 54, 1149-1154.	1.4	55
40	Three-component synthesis of a polysubstituted pyrrole core containing heterocyclic scaffolds over magnetically separable nanocrystalline copper ferrite. <i>RSC Advances</i> , 2013, 3, 8637.	3.6	51
41	Fe(DS) <sub>3</sub> , an efficient Lewis acid-surfactant-combined catalyst (LASC) for the one pot synthesis of chromeno[4,3-b]chromene derivatives by assembling the basic building blocks. <i>Tetrahedron Letters</i> , 2013, 54, 3105-3110.	1.4	53
42	Triton-X-100 catalyzed synthesis of 1,4-dihydropyridines and their aromatization to pyridines and a new one pot synthesis of pyridines using visible light in aqueous media. <i>RSC Advances</i> , 2013, 3, 8220.	3.6	46
43	Nanocrystalline and Reusable ZnO Catalyst for the Assembly of Densely Functionalized 4-H-Chromenes in Aqueous Medium via One-Pot Three Component Reactions: A Greener Approach. <i>Journal of Organic Chemistry</i> , 2013, 78, 6170-6181.	3.2	98
44	Alum-Catalyzed Synthesis of 3-(1H-Pyrrol-2-yl)-2H-chromen-2-ones: A Water-PEG 400 Binary Solvent Mediated, One-Pot, Three-Component Protocol. <i>Synthesis</i> , 2013, 45, 1191-1200.	2.3	13
45	A New Strategy for the One Pot Synthesis of (Aryloxyimino)Ethylcoumarins Promoted by CuCl <sub>2</sub> . <i>Journal of Chemical Research</i> , 2012, 36, 5-8.	1.3	5
46	Design and synthesis of coumarinyl 1,4-benzodioxanes as potential anti-oxidant. <i>Tetrahedron Letters</i> , 2012, 53, 7060-7066.	1.4	14
47	Design and synthesis of benzylpyrazolyl coumarin derivatives via a four-component reaction in water: investigation of the weak interactions accumulating in the crystal structure of a signified compound. <i>Green Chemistry</i> , 2012, 14, 2691.	9.0	73
48	Nano crystalline ZnO catalyzed one pot multicomponent reaction for an easy access of fully decorated 4H-pyran scaffolds and its rearrangement to 2-pyridone nucleus in aqueous media. <i>Tetrahedron Letters</i> , 2012, 53, 4687-4691.	1.4	122
49	Synthesis of 3,4-dihydropyridin-2-one derivatives in convergent mode applying bio catalyst vitamin B1 and polymer supported catalyst PEG-SO <sub>3</sub> H from two different sets of building blocks. <i>Tetrahedron Letters</i> , 2012, 53, 5840-5844.	1.4	37
50	A new application of polymer supported, homogeneous and reusable catalyst PEG-SO <sub>3</sub> H in the synthesis of coumarin and uracil fused pyrrole derivatives. <i>Catalysis Science and Technology</i> , 2012, 2, 1130.	4.1	39
51	An efficient green protocol for the synthesis of coumarin fused highly decorated indenodihydropyridyl and dihydropyridyl derivatives. <i>Tetrahedron Letters</i> , 2012, 53, 2206-2210.	1.4	53
52	Nano crystalline ZnO: a competent and reusable catalyst for one pot synthesis of novel benzylamino coumarin derivatives in aqueous media. <i>Tetrahedron Letters</i> , 2012, 53, 3140-3143.	1.4	74
53	One-pot synthesis of dihydropyrano[2,3-c]chromenes via a three component coupling of aromatic aldehydes, malononitrile, and 3-hydroxycoumarin catalyzed by nano-structured ZnO in water: a green protocol. <i>Tetrahedron Letters</i> , 2011, 52, 4636-4641.	1.4	107
54	Synthesis of biologically potent new 3-(heteroaryl)aminocoumarin derivatives via Buchwald-Hartwig C-N coupling. <i>Tetrahedron Letters</i> , 2010, 51, 1099-1102.	1.4	26

#	ARTICLE	IF	CITATIONS
55	Structure-Activity Relationship of New Anti-Hepatitis C Virus Agents: Heterobicyclic-Coumarin Conjugates. <i>Journal of Medicinal Chemistry</i> , 2009, 52, 1486-1490.	6.4	199
56	Synthesis of new benzimidazole-coumarin conjugates as anti-hepatitis C virus agents. <i>Antiviral Research</i> , 2008, 77, 157-162.	4.1	176
57	Silicon-Induced Ene-Type Reaction in the Thermal Conversion of Enolates to $\beta$ -Silyl Enones with Molecular Dioxide. <i>Organic Letters</i> , 2008, 10, 1913-1916.	4.6	11
58	1,2-Eliminations in a Novel Reductive Coupling of Nitroarenes to Give Azoxy Arenes by Sodium Bis(trimethylsilyl)amide. <i>ChemInform</i> , 2005, 36, no.	0.0	0
59	1,2-Eliminations in a Novel Reductive Coupling of Nitroarenes to Give Azoxy Arenes by Sodium Bis(trimethylsilyl)amide. <i>Organic Letters</i> , 2005, 7, 3211-3214.	4.6	26
60	A convenient synthesis of $\alpha,\beta$ -unsaturated ketones through zinc-mediated allylation of acid chlorides. <i>Tetrahedron Letters</i> , 1996, 37, 1109-1112.	1.4	32
61	Facile and efficient synthesis of homoallylic alcohols using allyl bromide and commercial zinc dust. <i>Tetrahedron Letters</i> , 1995, 36, 4885-4888.	1.4	5
62	Ion Exchange Resin-Mediated Hydrolytic Cleavage of $\alpha$ -Nitroepoxides. Simple One-Pot Synthesis of $\alpha$ -Hydroxyketones. <i>Synthetic Communications</i> , 1992, 22, 1523-1528.	2.1	9
63	Highly selective reduction of 2-nitrocycloalkanones to 2-nitrocycloalkanols with zinc borohydride in DME. <i>Tetrahedron Letters</i> , 1992, 33, 2361-2362.	1.4	10