

# Jyotirmayee Dash

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/9158836/jyotirmayee-dash-publications-by-year.pdf>

**Version:** 2024-04-20

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

89  
papers

1,951  
citations

28  
h-index

40  
g-index

95  
ext. papers

2,308  
ext. citations

6.1  
avg, IF

5.34  
L-index

#	Paper	IF	Citations
89	Cycloaddition of N-sulfonyl and N-sulfamoyl azides with alkynes in aqueous media for the selective synthesis of 1,2,3-triazoles. <i>Green Chemistry</i> , <b>2022</b> , 24, 911-915	10	1
88	Ring closing metathesis for the construction of carbazole and indole-fused natural products. <i>Organic and Biomolecular Chemistry</i> , <b>2021</b> , 19, 9797-9808	3.9	4
87	Studies Directed towards the Synthesis of the Acridone Family of Natural Products: Total Synthesis of Acronycines and Atalaphyllidines. <i>ACS Omega</i> , <b>2021</b> , 6, 27062-27069	3.9	0
86	Site-Selective Aerobic C-H Monoacylation of Carbazoles Using Palladium Catalysis. <i>Journal of Organic Chemistry</i> , <b>2021</b> , 86, 1396-1407	4.2	4
85	Regulation of gene expression by targeting DNA secondary structures. <i>Journal of Chemical Sciences</i> , <b>2021</b> , 133, 1	1.8	
84	Supramolecular Template-Directed In Situ Click Chemistry: A Bioinspired Approach to Synthesize G-Quadruplex DNA Ligands. <i>Organic Letters</i> , <b>2021</b> , 23, 3004-3009	6.2	0
83	G4 Sensing Pyridyl-Thiazole Polyamide Represses c-KIT Expression in Leukemia Cells. <i>Chemistry - A European Journal</i> , <b>2021</b> , 27, 8590-8599	4.8	1
82	Recent Update on Targeting G-Quadruplexes by Small Molecules for Anticancer Therapeutics. <i>Journal of Medicinal Chemistry</i> , <b>2021</b> , 64, 42-70	8.3	21
81	A [3+2] cycloaddition-1,2-acyl migration-hydrolysis cascade for regioselective synthesis of 1,2,3-triazoles in water. <i>Chemical Communications</i> , <b>2021</b> , 57, 7970-7973	5.8	1
80	Insights from Binding on Quadruplex Selective Carbazole Ligands. <i>Chemistry - A European Journal</i> , <b>2021</b> , 27, 12726-12736	4.8	3
79	Potassium -Butoxide Promoted Synthesis of Dihydroquinazolinones. <i>Journal of Organic Chemistry</i> , <b>2021</b> , 86, 14695-14704	4.2	2
78	A DNA nanosensor for monitoring ligand-induced i-motif formation. <i>Organic and Biomolecular Chemistry</i> , <b>2021</b> , 19, 1965-1969	3.9	1
77	Reductive aromatization of oxindoles to 3-substituted indoles. <i>Tetrahedron Letters</i> , <b>2020</b> , 61, 152109	2	0
76	Click and combinatorial approaches to quadruplex ligand discovery. <i>Annual Reports in Medicinal Chemistry</i> , <b>2020</b> , 54, 287-324	1.6	3
75	Domino Relay Olefin Metathesis of Triallyl Oxindole and Indole Precursors to Access Cyclic Indoxyls and Carbazoles. <i>ChemCatChem</i> , <b>2020</b> , 12, 4754-4759	5.2	4
74	formation of transcriptional modulators using non-canonical DNA i-motifs. <i>Chemical Science</i> , <b>2020</b> , 11, 2058-2067	9.4	11
73	Ionophore constructed from non-covalent assembly of a G-quadruplex and liponucleoside transports K-ion across biological membranes. <i>Nature Communications</i> , <b>2020</b> , 11, 469	17.4	21

72	Target-Directed Azide-Alkyne Cycloaddition for Assembling HIV-1 TAR RNA Binding Ligands. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 12507-12511	3.6	4
71	Innenrücktitelbild: Target-Directed Azide-Alkyne Cycloaddition for Assembling HIV-1 TAR RNA Binding Ligands (Angew. Chem. 30/2020). <i>Angewandte Chemie</i> , <b>2020</b> , 132, 12643-12643	3.6	
70	In vivo experiments demonstrate the potent antileishmanial efficacy of repurposed suramin in visceral leishmaniasis. <i>PLoS Neglected Tropical Diseases</i> , <b>2020</b> , 14, e0008575	4.8	2
69	Carbon Dot Cross-Linked Gelatin Nanocomposite Hydrogel for pH-Sensing and pH-Responsive Drug Delivery. <i>ACS Biomaterials Science and Engineering</i> , <b>2020</b> , 6, 5662-5674	5.5	24
68	G-Quadruplex-Binding Small Molecule Induces Synthetic Lethality in Breast Cancer Cells by Inhibiting c-MYC and BCL2 Expression. <i>ChemBioChem</i> , <b>2020</b> , 21, 963-970	3.8	13
67	Target-Directed Azide-Alkyne Cycloaddition for Assembling HIV-1 TAR RNA Binding Ligands. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 12407-12411	16.4	10
66	Domino Grignard Addition and Oxidation for the One-Pot Synthesis of C2-Quaternary 2-Hydroxyindoxyls. <i>Organic Letters</i> , <b>2019</b> , 21, 8044-8048	6.2	2
65	The application of click chemistry for targeting quadruplex nucleic acids. <i>Chemical Communications</i> , <b>2019</b> , 55, 731-750	5.8	25
64	A Competitive Pull-Down Assay Using G-quadruplex DNA Linked Magnetic Nanoparticles To Determine Specificity of G-quadruplex Ligands. <i>Analytical Chemistry</i> , <b>2019</b> , 91, 7705-7711	7.8	7
63	Microwave assisted cross-coupling reactions using palladium nanoparticles in aqueous media. <i>Synthetic Communications</i> , <b>2019</b> , 49, 859-868	1.7	5
62	KOBu-Promoted Transition-Metal-Free Transamidation of Primary and Tertiary Amides with Amines. <i>Organic Letters</i> , <b>2019</b> , 21, 6690-6694	6.2	31
61	Cytidine-Derived Hydrogels with Tunable Antibacterial Activities.. <i>ACS Applied Bio Materials</i> , <b>2019</b> , 2, 3171-3177	4.1	7
60	Ring Closing Metathesis Approach for the Synthesis of o-Terphenyl Derivatives. <i>European Journal of Organic Chemistry</i> , <b>2019</b> , 2019, 5916-5924	3.2	6
59	G-Quadruplex-Specific Cell-Permeable Guanosine-Anthracene Conjugate Inhibits Telomere Elongation and Induces Apoptosis by Repressing the Gene. <i>Bioconjugate Chemistry</i> , <b>2019</b> , 30, 3038-3045	6.3	7
58	Chemical Regulation of DNA i-Motifs for Nanobiotechnology and Therapeutics. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 2968-2983	3.6	9
57	Chemical Regulation of DNA i-Motifs for Nanobiotechnology and Therapeutics. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 2942-2957	16.4	40
56	Dynamic Generation of G-Quadruplex DNA Ligands by Target-Guided Combinatorial Chemistry on a Magnetic Nanoplatfom. <i>Journal of Medicinal Chemistry</i> , <b>2019</b> , 62, 762-773	8.3	14
55	Guanosine-Derived Supramolecular Hydrogels: Recent Developments and Future Opportunities. <i>ACS Omega</i> , <b>2018</b> , 3, 2230-2241	3.9	38

54	Enzyme-Regulated DNA-Based Logic Device. <i>ACS Synthetic Biology</i> , <b>2018</b> , 7, 1456-1464	5.7	11
53	Human Telomeric G-Quadruplex Selective Fluoro-Isoquinolines Induce Apoptosis in Cancer Cells. <i>Bioconjugate Chemistry</i> , <b>2018</b> , 29, 1141-1154	6.3	17
52	"On Water" Promoted Ullmann-Type C-N Bond-Forming Reactions: Application to Carbazole Alkaloids by Selective N-Arylation of Aminophenols. <i>Journal of Organic Chemistry</i> , <b>2018</b> , 83, 7347-7359	4.2	35
51	Self-Assembly of a Guanosine Derivative To Form Nanostructures and Transmembrane Channels. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 4002-4005	4.8	7
50	Small Molecule Driven Stabilization of Promoter G-Quadruplexes and Transcriptional Regulation of c-MYC. <i>Bioconjugate Chemistry</i> , <b>2018</b> , 29, 2636-2645	6.3	18
49	In vitro screening of known drugs identified by scaffold hopping techniques shows promising leishmanicidal activity for suramin and netilmicin. <i>BMC Research Notes</i> , <b>2018</b> , 11, 319	2.3	8
48	Divergent and Orthogonal Approach to Carbazoles and Pyridoindoles from Oxindoles via Indole Intermediates. <i>Organic Letters</i> , <b>2018</b> , 20, 4759-4763	6.2	34
47	Cell penetrating thiazole peptides inhibit c-MYC expression via site-specific targeting of c-MYC G-quadruplex. <i>Nucleic Acids Research</i> , <b>2018</b> , 46, 5355-5365	20.1	53
46	Amino-Acid-Derived Naphthalenediimides as Versatile G-Quadruplex Binders. <i>Chemistry - A European Journal</i> , <b>2017</b> , 23, 8491-8499	4.8	20
45	Bipyridine Facilitates Regioselective Dimerization of Alkynes in the Absence of Transition Metal. <i>ChemistrySelect</i> , <b>2017</b> , 2, 5032-5037	1.8	1
44	Supramolecular Hydrogel Inspired from DNA Structures Mimics Peroxidase Activity. <i>ACS Biomaterials Science and Engineering</i> , <b>2017</b> , 3, 2358-2365	5.5	31
43	Preferential targeting of i-motifs and G-quadruplexes by small molecules. <i>Chemical Science</i> , <b>2017</b> , 8, 7448-7456	5.1	51
42	Zinc-Mediated Efficient and Selective Reduction of Carbonyl Compounds. <i>European Journal of Organic Chemistry</i> , <b>2017</b> , 2017, 4972-4983	3.2	15
41	Target guided synthesis using DNA nano-templates for selectively assembling a G-quadruplex binding c-MYC inhibitor. <i>Nature Communications</i> , <b>2017</b> , 8, 16103	17.4	50
40	Palladium-Catalyzed Pyridine-Directed Regioselective Oxidative CBI Acylation of Carbazoles by Using Aldehydes as the Acyl Source. <i>European Journal of Organic Chemistry</i> , <b>2017</b> , 2017, 332-340	3.2	15
39	Transition-Metal-Free Terminal Alkyne Addition to Isatins. <i>Synthesis</i> , <b>2016</b> , 48, 4260-4268	2.9	7
38	Chiral carbon dots derived from guanosine 5'-monophosphate form supramolecular hydrogels. <i>Chemical Communications</i> , <b>2016</b> , 52, 11159-62	5.8	34
37	Synthesis of Magnetic Nanoparticles and Polymer Supported Imidazolidinone Catalysts for Enantioselective Friedel-Crafts Alkylation of Indoles. <i>ChemistrySelect</i> , <b>2016</b> , 1, 4386-4391	1.8	4

36	Synthesis of Fluorescent Binaphthyl Amines That Bind c-MYC G-Quadruplex DNA and Repress c-MYC Expression. <i>Journal of Medicinal Chemistry</i> , <b>2016</b> , 59, 7275-81	8.3	38
35	Functional architectures derived from guanine quartets. <i>Organic and Biomolecular Chemistry</i> , <b>2016</b> , 14, 2157-63	3.9	18
34	Selective recognition of c-MYC G-quadruplex DNA using prolinamide derivatives. <i>Organic and Biomolecular Chemistry</i> , <b>2016</b> , 14, 5761-7	3.9	17
33	Fluorescent Dansyl-Guanosine Conjugates that Bind c-MYC Promoter G-Quadruplex and Downregulate c-MYC Expression. <i>ChemBioChem</i> , <b>2016</b> , 17, 388-93	3.8	17
32	Small molecule regulated dynamic structural changes of human G-quadruplexes. <i>Chemical Science</i> , <b>2016</b> , 7, 3279-3285	9.4	37
31	Bis-triazolyl diguanosine derivatives as synthetic transmembrane ion channels. <i>Nature Protocols</i> , <b>2016</b> , 11, 1039-56	18.8	16
30	Transition-metal-free hydration of nitriles using potassium tert-butoxide under anhydrous conditions. <i>Journal of Organic Chemistry</i> , <b>2015</b> , 80, 4148-51	4.2	53
29	C3-Symmetric Pyridine and Bipyridine Derivatives: Simple Preparation by Cyclocondensation and 2D Self-Assembly at a Solution/Graphite Interface. <i>Synlett</i> , <b>2015</b> , 26, 1486-1489	2.2	10
28	A DNA-inspired synthetic ion channel based on G-C base pairing. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 34-7	16.4	38
27	A Nucleus-Imaging Probe That Selectively Stabilizes a Minor Conformation of c-MYC G-quadruplex and Down-regulates c-MYC Transcription in Human Cancer Cells. <i>Scientific Reports</i> , <b>2015</b> , 5, 13183	4.9	50
26	Synthesis of Carbazole Alkaloids by Ring-Closing Metathesis and Ring Rearrangement-Aromatization. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 15831-5	16.4	49
25	Synthesis of Carbazole Alkaloids by Ring-Closing Metathesis and Ring Rearrangement/Aromatization. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 16057-16061	3.6	11
24	Triazole-tailored guanosine dinucleosides as biomimetic ion channels to modulate transmembrane potential. <i>Chemistry - A European Journal</i> , <b>2014</b> , 20, 3023-8	4.8	20
23	Thiazolidinedione-isatin conjugates via an uncatalyzed diastereoselective aldol reaction on water. <i>Journal of Organic Chemistry</i> , <b>2014</b> , 79, 1473-80	4.2	37
22	A small molecule peptidomimetic that binds to c-KIT1 G-quadruplex and exhibits antiproliferative properties in cancer cells. <i>Bioorganic and Medicinal Chemistry</i> , <b>2014</b> , 22, 4422-9	3.4	20
21	Environment-sensitive probes containing a 2,6-diethynylpyridine motif for fluorescence turn-on detection and induction of nanoarchitectures of human telomeric quadruplex. <i>Chemistry - A European Journal</i> , <b>2014</b> , 20, 16688-93	4.8	11
20	Asymmetric Aldol Reaction of Thiazole-Carbaldehydes: Regio- and Stereoselective Synthesis of Tubuvalin Analogues. <i>Advanced Synthesis and Catalysis</i> , <b>2014</b> , 356, 3370-3376	5.6	9
19	A fluorescent guanosine dinucleoside as a selective switch-on sensor for c-myc G-quadruplex DNA with potent anticancer activities. <i>Chemistry - A European Journal</i> , <b>2013</b> , 19, 11502-6	4.8	21

18	pH dependent multifunctional and multiply-configurable logic gate systems based on small molecule G-quadruplex DNA recognition. <i>Chemical Communications</i> , <b>2013</b> , 49, 1817-9	5.8	21
17	A Magnetoclick Imidazolidinone Nanocatalyst for Asymmetric 1,3-Dipolar Cycloadditions. <i>Advanced Synthesis and Catalysis</i> , <b>2013</b> , 355, 3532-3538	5.6	29
16	Design and synthesis of an on-off "click" fluorophore that executes a logic operation and detects heavy and transition metal ions in water and living cells. <i>Organic and Biomolecular Chemistry</i> , <b>2013</b> , 11, 3057-63	3.9	33
15	Multifunctional "click" Prolinamides: A New Platform for Asymmetric Aldol Reactions in the Presence of Water with Catalyst Recycling. <i>Advanced Synthesis and Catalysis</i> , <b>2013</b> , 355, n/a-n/a	5.6	6
14	Synthesis of bis-indole carboxamides as G-quadruplex stabilizing and inducing ligands. <i>Chemistry - A European Journal</i> , <b>2012</b> , 18, 554-64	4.8	34
13	Diffusion and birefringence of bioactive dyes in a supramolecular guanosine hydrogel. <i>Chemistry - A European Journal</i> , <b>2012</b> , 18, 6008-14	4.8	51
12	An uncatalyzed aldol reaction of thiazolidinediones. <i>Green Chemistry</i> , <b>2012</b> , 14, 2990	10	31
11	A diversity-oriented approach to spirocyclic and fused hydantoins via olefin metathesis. <i>Journal of Organic Chemistry</i> , <b>2012</b> , 77, 8071-82	4.2	25
10	Modulation of Small Molecule Induced Architecture of Cyclodextrin Aggregation by Guest Structure and Host Size. <i>Journal of Physical Chemistry C</i> , <b>2011</b> , 115, 20970-20977	3.8	21
9	A supported palladium nanocatalyst for copper free acyl Sonogashira reactions: One-pot multicomponent synthesis of N-containing heterocycles. <i>Green Chemistry</i> , <b>2011</b> , 13, 3238	10	58
8	G-quadruplex-binding benzo[a]phenoxazines down-regulate c-KIT expression in human gastric carcinoma cells. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 2658-63	16.4	115
7	Synthesis and binding studies of novel diethynyl-pyridine amides with genomic promoter DNA G-quadruplexes. <i>Chemistry - A European Journal</i> , <b>2011</b> , 17, 4571-81	4.8	56
6	Supramolecular hydrogels derived from silver ion-mediated self-assembly of 5'-guanosine monophosphate. <i>Soft Matter</i> , <b>2011</b> , 7, 8120	3.6	50
5	Synthesis of spirocyclic thiazolidinediones using ring-closing metathesis and one-pot sequential ring-closing/cross metathesis. <i>Organic and Biomolecular Chemistry</i> , <b>2011</b> , 9, 3801-7	3.9	11
4	G-quadruplex recognition by bis-indole carboxamides. <i>Chemical Communications</i> , <b>2008</b> , 3055-7	5.8	67
3	Diarylethynyl amides that recognize the parallel conformation of genomic promoter DNA G-quadruplexes. <i>Journal of the American Chemical Society</i> , <b>2008</b> , 130, 15950-6	16.4	137
2	Prolinamide plays a key role in promoting copper-catalyzed cycloaddition of azides and alkynes in aqueous media via unprecedented metallacycle intermediates. <i>Organic Chemistry Frontiers</i> ,	5.2	2
1	Triazolyl Dibenzo[a,c]phenazines Stabilize Telomeric G-quadruplex and Inhibit Telomerase. <i>Asian Journal of Organic Chemistry</i> ,	3	

