

Jyotirmayee Dash

List of Publications by Citations

Source: <https://exaly.com/author-pdf/9158836/jyotirmayee-dash-publications-by-citations.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	Diarylethynyl amides that recognize the parallel conformation of genomic promoter DNA G-quadruplexes. <i>Journal of the American Chemical Society</i> , 2008 , 130, 15950-6	16.4	137
88	G-quadruplex-binding benzo[a]phenoxazines down-regulate c-KIT expression in human gastric carcinoma cells. <i>Journal of the American Chemical Society</i> , 2011 , 133, 2658-63	16.4	115
87	G-quadruplex recognition by bis-indole carboxamides. <i>Chemical Communications</i> , 2008 , 3055-7	5.8	67
86	A supported palladium nanocatalyst for copper free acyl Sonogashira reactions: One-pot multicomponent synthesis of N-containing heterocycles. <i>Green Chemistry</i> , 2011 , 13, 3238	10	58
85	Synthesis and binding studies of novel diethynyl-pyridine amides with genomic promoter DNA G-quadruplexes. <i>Chemistry - A European Journal</i> , 2011 , 17, 4571-81	4.8	56
84	Transition-metal-free hydration of nitriles using potassium tert-butoxide under anhydrous conditions. <i>Journal of Organic Chemistry</i> , 2015 , 80, 4148-51	4.2	53
83	Cell penetrating thiazole peptides inhibit c-MYC expression via site-specific targeting of c-MYC G-quadruplex. <i>Nucleic Acids Research</i> , 2018 , 46, 5355-5365	20.1	53
82	Preferential targeting of i-motifs and G-quadruplexes by small molecules. <i>Chemical Science</i> , 2017 , 8, 7448-7456	5.1	51
81	Diffusion and birefringence of bioactive dyes in a supramolecular guanosine hydrogel. <i>Chemistry - A European Journal</i> , 2012 , 18, 6008-14	4.8	51
80	Target guided synthesis using DNA nano-templates for selectively assembling a G-quadruplex binding c-MYC inhibitor. <i>Nature Communications</i> , 2017 , 8, 16103	17.4	50
79	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> , 2015 , 5, 13183	4.9	50
78	Supramolecular hydrogels derived from silver ion-mediated self-assembly of 5'-guanosine monophosphate. <i>Soft Matter</i> , 2011 , 7, 8120	3.6	50
77	Synthesis of Carbazole Alkaloids by Ring-Closing Metathesis and Ring Rearrangement-Aromatization. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 15831-5	16.4	49
76	Chemical Regulation of DNA i-Motifs for Nanobiotechnology and Therapeutics. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 2942-2957	16.4	40
75	A DNA-inspired synthetic ion channel based on G-C base pairing. <i>Journal of the American Chemical Society</i> , 2015 , 137, 34-7	16.4	38
74	Guanosine-Derived Supramolecular Hydrogels: Recent Developments and Future Opportunities. <i>ACS Omega</i> , 2018 , 3, 2230-2241	3.9	38
73	Synthesis of Fluorescent Binaphthyl Amines That Bind c-MYC G-Quadruplex DNA and Repress c-MYC Expression. <i>Journal of Medicinal Chemistry</i> , 2016 , 59, 7275-81	8.3	38

72	Thiazolidinedione-isatin conjugates via an uncatalyzed diastereoselective aldol reaction on water. <i>Journal of Organic Chemistry</i> , 2014 , 79, 1473-80	4.2	37
71	Small molecule regulated dynamic structural changes of human G-quadruplexes. <i>Chemical Science</i> , 2016 , 7, 3279-3285	9.4	37
70	"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> , 2018 , 83, 7347-7359	4.2	35
69	Chiral carbon dots derived from guanosine 5'-monophosphate form supramolecular hydrogels. <i>Chemical Communications</i> , 2016 , 52, 11159-62	5.8	34
68	Divergent and Orthogonal Approach to Carbazoles and Pyridoindoles from Oxindoles via Indole Intermediates. <i>Organic Letters</i> , 2018 , 20, 4759-4763	6.2	34
67	Synthesis of bis-indole carboxamides as G-quadruplex stabilizing and inducing ligands. <i>Chemistry - A European Journal</i> , 2012 , 18, 554-64	4.8	34
66	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> , 2013 , 11, 3057-63	3.9	33
65	KOBu-Promoted Transition-Metal-Free Transamidation of Primary and Tertiary Amides with Amines. <i>Organic Letters</i> , 2019 , 21, 6690-6694	6.2	31
64	Supramolecular Hydrogel Inspired from DNA Structures Mimics Peroxidase Activity. <i>ACS Biomaterials Science and Engineering</i> , 2017 , 3, 2358-2365	5.5	31
63	An uncatalyzed aldol reaction of thiazolidinediones. <i>Green Chemistry</i> , 2012 , 14, 2990	10	31
62	A Magnetoclick Imidazolidinone Nanocatalyst for Asymmetric 1,3-Dipolar Cycloadditions. <i>Advanced Synthesis and Catalysis</i> , 2013 , 355, 3532-3538	5.6	29
61	The application of click chemistry for targeting quadruplex nucleic acids. <i>Chemical Communications</i> , 2019 , 55, 731-750	5.8	25
60	A diversity-oriented approach to spirocyclic and fused hydantoins via olefin metathesis. <i>Journal of Organic Chemistry</i> , 2012 , 77, 8071-82	4.2	25
59	Carbon Dot Cross-Linked Gelatin Nanocomposite Hydrogel for pH-Sensing and pH-Responsive Drug Delivery. <i>ACS Biomaterials Science and Engineering</i> , 2020 , 6, 5662-5674	5.5	24
58	Ionophore constructed from non-covalent assembly of a G-quadruplex and liponucleoside transports K-ion across biological membranes. <i>Nature Communications</i> , 2020 , 11, 469	17.4	21
57	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> , 2013 , 19, 11502-6	4.8	21
56	pH dependent multifunctional and multiply-configurable logic gate systems based on small molecule G-quadruplex DNA recognition. <i>Chemical Communications</i> , 2013 , 49, 1817-9	5.8	21
55	Modulation of Small Molecule Induced Architecture of Cyclodextrin Aggregation by Guest Structure and Host Size. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 20970-20977	3.8	21

54	Recent Update on Targeting G-Quadruplexes by Small Molecules for Anticancer Therapeutics. <i>Journal of Medicinal Chemistry</i> , 2021 , 64, 42-70	8.3	21
53	Amino-Acid-Derived Naphthalenediimides as Versatile G-Quadruplex Binders. <i>Chemistry - A European Journal</i> , 2017 , 23, 8491-8499	4.8	20
52	Triazole-tailored guanosine dinucleosides as biomimetic ion channels to modulate transmembrane potential. <i>Chemistry - A European Journal</i> , 2014 , 20, 3023-8	4.8	20
51	A small molecule peptidomimetic that binds to c-KIT1 G-quadruplex and exhibits antiproliferative properties in cancer cells. <i>Bioorganic and Medicinal Chemistry</i> , 2014 , 22, 4422-9	3.4	20
50	Functional architectures derived from guanine quartets. <i>Organic and Biomolecular Chemistry</i> , 2016 , 14, 2157-63	3.9	18
49	Small Molecule Driven Stabilization of Promoter G-Quadruplexes and Transcriptional Regulation of c-MYC. <i>Bioconjugate Chemistry</i> , 2018 , 29, 2636-2645	6.3	18
48	Human Telomeric G-Quadruplex Selective Fluoro-Isoquinolines Induce Apoptosis in Cancer Cells. <i>Bioconjugate Chemistry</i> , 2018 , 29, 1141-1154	6.3	17
47	Selective recognition of c-MYC G-quadruplex DNA using prolinamide derivatives. <i>Organic and Biomolecular Chemistry</i> , 2016 , 14, 5761-7	3.9	17
46	Fluorescent Dansyl-Guanosine Conjugates that Bind c-MYC Promoter G-Quadruplex and Downregulate c-MYC Expression. <i>ChemBioChem</i> , 2016 , 17, 388-93	3.8	17
45	Bis-triazolyl diguanosine derivatives as synthetic transmembrane ion channels. <i>Nature Protocols</i> , 2016 , 11, 1039-56	18.8	16
44	Zinc-Mediated Efficient and Selective Reduction of Carbonyl Compounds. <i>European Journal of Organic Chemistry</i> , 2017 , 2017, 4972-4983	3.2	15
43	Palladium-Catalyzed Pyridine-Directed Regioselective Oxidative C-H Acylation of Carbazoles by Using Aldehydes as the Acyl Source. <i>European Journal of Organic Chemistry</i> , 2017 , 2017, 332-340	3.2	15
42	Dynamic Generation of G-Quadruplex DNA Ligands by Target-Guided Combinatorial Chemistry on a Magnetic Nanoplatfom. <i>Journal of Medicinal Chemistry</i> , 2019 , 62, 762-773	8.3	14
41	G-Quadruplex-Binding Small Molecule Induces Synthetic Lethality in Breast Cancer Cells by Inhibiting c-MYC and BCL2 Expression. <i>ChemBioChem</i> , 2020 , 21, 963-970	3.8	13
40	formation of transcriptional modulators using non-canonical DNA i-motifs. <i>Chemical Science</i> , 2020 , 11, 2058-2067	9.4	11
39	Enzyme-Regulated DNA-Based Logic Device. <i>ACS Synthetic Biology</i> , 2018 , 7, 1456-1464	5.7	11
38	Synthesis of Carbazole Alkaloids by Ring-Closing Metathesis and Ring Rearrangement/Aromatization. <i>Angewandte Chemie</i> , 2015 , 127, 16057-16061	3.6	11
37	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> , 2014 , 20, 16688-93	4.8	11

36	Synthesis of spirocyclic thiazolidinediones using ring-closing metathesis and one-pot sequential ring-closing/cross metathesis. <i>Organic and Biomolecular Chemistry</i> , 2011 , 9, 3801-7	3.9	11
35	C3-Symmetric Pyridine and Bipyridine Derivatives: Simple Preparation by Cyclocondensation and 2D Self-Assembly at a Solution/Graphite Interface. <i>Synlett</i> , 2015 , 26, 1486-1489	2.2	10
34	Target-Directed Azide-Alkyne Cycloaddition for Assembling HIV-1 TAR RNA Binding Ligands. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 12407-12411	16.4	10
33	Asymmetric Aldol Reaction of Thiazole-Carbaldehydes: Regio- and Stereoselective Synthesis of Tubuvalin Analogues. <i>Advanced Synthesis and Catalysis</i> , 2014 , 356, 3370-3376	5.6	9
32	Chemical Regulation of DNA i-Motifs for Nanobiotechnology and Therapeutics. <i>Angewandte Chemie</i> , 2019 , 131, 2968-2983	3.6	9
31	In vitro screening of known drugs identified by scaffold hopping techniques shows promising leishmanicidal activity for suramin and netilmicin. <i>BMC Research Notes</i> , 2018 , 11, 319	2.3	8
30	A Competitive Pull-Down Assay Using G-quadruplex DNA Linked Magnetic Nanoparticles To Determine Specificity of G-quadruplex Ligands. <i>Analytical Chemistry</i> , 2019 , 91, 7705-7711	7.8	7
29	Self-Assembly of a Guanosine Derivative To Form Nanostructures and Transmembrane Channels. <i>Chemistry - A European Journal</i> , 2018 , 24, 4002-4005	4.8	7
28	Transition-Metal-Free Terminal Alkyne Addition to Isatins. <i>Synthesis</i> , 2016 , 48, 4260-4268	2.9	7
27	Cytidine-Derived Hydrogels with Tunable Antibacterial Activities.. <i>ACS Applied Bio Materials</i> , 2019 , 2, 3171-3177	4.1	7
26	G-Quadruplex-Specific Cell-Permeable Guanosine-Anthracene Conjugate Inhibits Telomere Elongation and Induces Apoptosis by Repressing the Gene. <i>Bioconjugate Chemistry</i> , 2019 , 30, 3038-3045	6.3	7
25	Ring Closing Metathesis Approach for the Synthesis of o-Terphenyl Derivatives. <i>European Journal of Organic Chemistry</i> , 2019 , 2019, 5916-5924	3.2	6
24	Multifunctional Click/Prolinamides: A New Platform for Asymmetric Aldol Reactions in the Presence of Water with Catalyst Recycling. <i>Advanced Synthesis and Catalysis</i> , 2013 , 355, n/a-n/a	5.6	6
23	Microwave assisted cross-coupling reactions using palladium nanoparticles in aqueous media. <i>Synthetic Communications</i> , 2019 , 49, 859-868	1.7	5
22	Domino Relay Olefin Metathesis of Triallyl Oxindole and Indole Precursors to Access Cyclic Indoxyls and Carbazoles. <i>ChemCatChem</i> , 2020 , 12, 4754-4759	5.2	4
21	Target-Directed Azide-Alkyne Cycloaddition for Assembling HIV-1 TAR RNA Binding Ligands. <i>Angewandte Chemie</i> , 2020 , 132, 12507-12511	3.6	4
20	Synthesis of Magnetic Nanoparticles and Polymer Supported Imidazolidinone Catalysts for Enantioselective Friedel-Crafts Alkylation of Indoles. <i>ChemistrySelect</i> , 2016 , 1, 4386-4391	1.8	4
19	Ring closing metathesis for the construction of carbazole and indole-fused natural products. <i>Organic and Biomolecular Chemistry</i> , 2021 , 19, 9797-9808	3.9	4

18	Site-Selective Aerobic C-H Monoacylation of Carbazoles Using Palladium Catalysis. <i>Journal of Organic Chemistry</i> , 2021 , 86, 1396-1407	4.2	4
17	Click and combinatorial approaches to quadruplex ligand discovery. <i>Annual Reports in Medicinal Chemistry</i> , 2020 , 54, 287-324	1.6	3
16	Insights from Binding on Quadruplex Selective Carbazole Ligands. <i>Chemistry - A European Journal</i> , 2021 , 27, 12726-12736	4.8	3
15	Domino Grignard Addition and Oxidation for the One-Pot Synthesis of C2-Quaternary 2-Hydroxyindoxyls. <i>Organic Letters</i> , 2019 , 21, 8044-8048	6.2	2
14	In vivo experiments demonstrate the potent antileishmanial efficacy of repurposed suramin in visceral leishmaniasis. <i>PLoS Neglected Tropical Diseases</i> , 2020 , 14, e0008575	4.8	2
13	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
12	Potassium -Butoxide Promoted Synthesis of Dihydroquinazolinones. <i>Journal of Organic Chemistry</i> , 2021 , 86, 14695-14704	4.2	2
11	Bipyridine Facilitates Regioselective Dimerization of Alkynes in the Absence of Transition Metal. <i>ChemistrySelect</i> , 2017 , 2, 5032-5037	1.8	1
10	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> , 2022 , 24, 911-915	10	1
9	G4 Sensing Pyridyl-Thiazole Polyamide Represses c-KIT Expression in Leukemia Cells. <i>Chemistry - A European Journal</i> , 2021 , 27, 8590-8599	4.8	1
8	A [3+2] cycloaddition-1,2-acyl migration-hydrolysis cascade for regioselective synthesis of 1,2,3-triazoles in water. <i>Chemical Communications</i> , 2021 , 57, 7970-7973	5.8	1
7	A DNA nanosensor for monitoring ligand-induced i-motif formation. <i>Organic and Biomolecular Chemistry</i> , 2021 , 19, 1965-1969	3.9	1
6	Reductive aromatization of oxindoles to 3-substituted indoles. <i>Tetrahedron Letters</i> , 2020 , 61, 152109	2	0
5	Studies Directed towards the Synthesis of the Acridone Family of Natural Products: Total Synthesis of Acronycines and Atalaphyllidines. <i>ACS Omega</i> , 2021 , 6, 27062-27069	3.9	0
4	Supramolecular Template-Directed In Situ Click Chemistry: A Bioinspired Approach to Synthesize G-Quadruplex DNA Ligands. <i>Organic Letters</i> , 2021 , 23, 3004-3009	6.2	0
3	Innenfunktionalisierung: Target-Directed Azide-Alkyne Cycloaddition for Assembling HIV-1 TAR RNA Binding Ligands (Angew. Chem. 30/2020). <i>Angewandte Chemie</i> , 2020 , 132, 12643-12643	3.6	
2	Regulation of gene expression by targeting DNA secondary structures. <i>Journal of Chemical Sciences</i> , 2021 , 133, 1	1.8	
1	Triazolyl Dibenzo[a,c]phenazines Stabilize Telomeric G-quadruplex and Inhibit Telomerase. <i>Asian Journal of Organic Chemistry</i> ,	3	

