

# Subha R Das

## List of Publications by Year in descending order

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Version: 2024-02-01

41  
papers

1,857  
citations

279487

23  
h-index

301761

39  
g-index

42  
all docs

42  
docs citations

42  
times ranked

2057  
citing authors

#	ARTICLE	IF	CITATIONS
1	General acid catalysis by the hepatitis delta virus ribozyme. <i>Nature Chemical Biology</i> , 2005, 1, 45-52.	3.9	217
2	Click Chemistry for Rapid Labeling and Ligation of RNA. <i>ChemBioChem</i> , 2011, 12, 125-131.	1.3	166
3	RNA labeling, conjugation and ligation. <i>Methods</i> , 2011, 54, 251-259.	1.9	110
4	Automated Synthesis of Well-Defined Polymers and Biohybrids by Atom Transfer Radical Polymerization Using a DNA Synthesizer. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 2740-2743.	7.2	102
5	Solid-Phase Incorporation of an ATRP Initiator for Polymer-DNA Biohybrids. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 2739-2744.	7.2	85
6	5'-Nor Carbocyclic 5'-Deoxy-5'-(Isobutylthio)Adenosine and a 2',3'-Dideoxy-2',3'-Didehydro Derivative. <i>Antiviral Chemistry and Chemotherapy</i> , 2001, 12, 119-124.	0.3	82
7	Biocatalytic $\alpha$ -Oxygenated Atom Transfer Radical Polymerization. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 16157-16161.	7.2	79
8	Rapid On-Demand Extracellular Vesicle Augmentation with Versatile Oligonucleotide Tethers. <i>ACS Nano</i> , 2019, 13, 10555-10565.	7.3	78
9	Preparation of Cationic Nanogels for Nucleic Acid Delivery. <i>Biomacromolecules</i> , 2012, 13, 3445-3449.	2.6	71
10	Atom Transfer Radical Polymerization for Biorelated Hybrid Materials. <i>Biomacromolecules</i> , 2019, 20, 4272-4298.	2.6	69
11	Star Polymers with a Cationic Core Prepared by ATRP for Cellular Nucleic Acids Delivery. <i>Biomacromolecules</i> , 2013, 14, 1262-1267.	2.6	68
12	Engineering exosome polymer hybrids by atom transfer radical polymerization. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	63
13	Bright Fluorescent Nanotags from Bottlebrush Polymers with DNA-Tipped Bristles. <i>ACS Central Science</i> , 2015, 1, 431-438.	5.3	58
14	Preparation of Well-Defined Polymers and DNA-Polymer Bioconjugates via Small-Volume eATRP in the Presence of Air. <i>ACS Macro Letters</i> , 2019, 8, 603-609.	2.3	58
15	Well-defined biohybrids using reversible-deactivation radical polymerization procedures. <i>Journal of Controlled Release</i> , 2015, 205, 45-57.	4.8	57
16	Direct DNA Conjugation to Star Polymers for Controlled Reversible Assemblies. <i>Bioconjugate Chemistry</i> , 2011, 22, 2030-2037.	1.8	56
17	Synthesis of Polymer Bioconjugates via Photoinduced Atom Transfer Radical Polymerization under Blue Light Irradiation. <i>ACS Macro Letters</i> , 2018, 7, 1248-1253.	2.3	50
18	Autotransfecting Short Interfering RNA through Facile Covalent Polymer Escorts. <i>Journal of the American Chemical Society</i> , 2013, 135, 12508-12511.	6.6	45

#	ARTICLE	IF	CITATIONS
19	Nucleotide analogues to investigate RNA structure and function. <i>Current Opinion in Chemical Biology</i> , 2005, 9, 585-593.	2.8	38
20	A Protein-Polymer Hybrid Mediated By DNA. <i>Langmuir</i> , 2012, 28, 1954-1958.	1.6	35
21	Optimization of acetonitrile co-solvent and copper stoichiometry for pseudo-ligandless click chemistry with nucleic acids. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2012, 22, 5313-5316.	1.0	31
22	Inhibition of Measles Virus Replication by 5'-Nor Carbocyclic Adenosine Analogues. <i>Antiviral Chemistry and Chemotherapy</i> , 2001, 12, 241-250.	0.3	27
23	The Rad51 paralogs facilitate a novel DNA strand specific damage tolerance pathway. <i>Nature Communications</i> , 2019, 10, 3515.	5.8	26
24	Automated Synthesis of Well-Defined Polymers and Biohybrids by Atom Transfer Radical Polymerization Using a DNA Synthesizer. <i>Angewandte Chemie</i> , 2017, 129, 2784-2787.	1.6	23
25	Capturing the Mechanism Underlying TOP mRNA Binding to LARP1. <i>Structure</i> , 2019, 27, 1771-1781.e5.	1.6	20
26	Controlled Release of Exosomes Using Atom Transfer Radical Polymerization-Based Hydrogels. <i>Biomacromolecules</i> , 2022, 23, 1713-1722.	2.6	17
27	Backbone-Branched DNA Building Blocks for Facile Angular Control in Nanostructures. <i>ACS Nano</i> , 2013, 7, 3953-3961.	7.3	15
28	Biocatalytic $\alpha$ -Oxygen-Fueled Atom Transfer Radical Polymerization. <i>Angewandte Chemie</i> , 2018, 130, 16389-16393.	1.6	13
29	A mercapto analogue of 5'-noraristeromycin. <i>Bioorganic and Medicinal Chemistry</i> , 2002, 10, 457-460.	1.4	12
30	Transition State Features in the Hepatitis Delta Virus Ribozyme Reaction Revealed by Atomic Perturbations. <i>Journal of the American Chemical Society</i> , 2015, 137, 8973-8982.	6.6	11
31	Crystal structure of the <i>Entamoeba histolytica</i> RNA lariat debranching enzyme EhDbr1 reveals a catalytic $Zn^{2+}/Mn^{2+}$ heterobinucleation. <i>FEBS Letters</i> , 2017, 591, 2003-2010.	1.3	10
32	The 5'-Nor Aristeromycin Analogues of 5'-Deoxy-5'-Methylthioadenosine and 5'-Deoxy-5'-Thiophenyladenosine. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2014, 33, 668-677.	0.4	9
33	Pseudo-Ligandless Click Chemistry for Oligonucleotide Conjugation. <i>Current Protocols in Chemical Biology</i> , 2016, 8, 83-95.	1.7	8
34	Quantitative Comparison of Protein Surface Coverage on Glass Slides and Silver Island Films in Metal-Enhanced Fluorescence-based Biosensing Applications. <i>Nano Biomedicine and Engineering</i> , 2010, 2, 165-170.	0.3	8
35	Accessibility of Densely Localized DNA on Soft Polymer Nanoparticles. <i>Langmuir</i> , 2018, 34, 14731-14737.	1.6	5
36	Biocompatible photoinduced CuAAC using sodium pyruvate. <i>Chemical Communications</i> , 2021, 57, 12844-12847.	2.2	5

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37	Eliminating Spurious Zero-Efficiency FRET States in Diffusion-Based Single-Molecule Confocal Microscopy. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 2259-2265.	2.1	4
38	The Kitchen Chemistry Sessions: Palatable Chemistry through Molecular Gastronomy and Cuisine. <i>ACS Symposium Series</i> , 2013, , 77-97.	0.5	1
39	The Diverse Active Sites in Splicing, Debranching, and MicroRNA Processing Around RNA Phosphodiester Bonds. , 2012, , 475-501.		0
40	Comprehensive Mechanistic Analysis of the RNA $\alpha$ -Lariat Debranching Enzyme. <i>FASEB Journal</i> , 2013, 27, 988.3.	0.2	0
41	RNA Three-Dimensional Structure Determination Using Experimental Constraints. , 2013, , 177-194.		0