

Dhiraj D Bhatia

List of Publications by Year in descending order

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Version: 2024-02-01

42
papers

1,477
citations

516710

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330143

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53
all docs

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docs citations

53
times ranked

1702
citing authors

#	ARTICLE	IF	CITATIONS
1	Neurotoxic or neuroprotective: Post-translational modifications of α -synuclein at the cross-roads of functions. <i>Biochimie</i> , 2022, 192, 38-50.	2.6	5
2	Water stable, red emitting, carbon nanoparticles stimulate 3D cell invasion via clathrin-mediated endocytic uptake. <i>Nanoscale Advances</i> , 2022, 4, 1375-1386.	4.6	7
3	Designer 3D-DNA nanodevices: Structures, functions, and cellular applications. , 2022, , 669-676.		0
4	DNA nanotechnology based point-of-care theranostics devices. , 2022, , 399-414.		0
5	The roles of dynein and myosin VI motor proteins in endocytosis. <i>Journal of Cell Science</i> , 2022, 135, .	2.0	5
6	β -Resorcylic Acid-Based AIEgens for Illuminating Endoplasmic Reticulum**. <i>Chemistry - A European Journal</i> , 2022, 28, .	3.3	2
7	Biofunctionalized metal-organic frameworks and host-guest interactions for advanced biomedical applications. <i>Journal of Materials Chemistry B</i> , 2022, 10, 7194-7205.	5.8	11
8	DNA Nanotechnology-Based Supramolecular Assemblies for Targeted Biomedical Applications. <i>Chemical Record</i> , 2022, , e202200048.	5.8	2
9	Peptide functionalized DNA hydrogel enhances neuroblastoma cell growth and differentiation. <i>Nanoscale</i> , 2022, 14, 8611-8620.	5.6	16
10	α -Synuclein fibrils explore actin-mediated macropinocytosis for cellular entry into model neuroblastoma neurons. <i>Traffic</i> , 2022, 23, 391-410.	2.7	4
11	Geometry of a DNA Nanostructure Influences Its Endocytosis: Cellular Study on 2D, 3D, and in Vivo Systems. <i>ACS Nano</i> , 2022, 16, 10496-10508.	14.6	42
12	Self-assembled, Programmable DNA Nanodevices for Biological and Biomedical Applications. <i>ChemBioChem</i> , 2021, 22, 763-778.	2.6	13
13	Programmable DNA Nanodevices for Applications in Neuroscience. <i>ACS Chemical Neuroscience</i> , 2021, 12, 363-377.	3.5	14
14	Spatiotemporal Dynamics of Endocytic Pathways Adapted by Small DNA Nanocages in Model Neuroblastoma Cell-Derived Differentiated Neurons. <i>ACS Applied Bio Materials</i> , 2021, 4, 3350-3359.	4.6	16
15	Discovery of novel tetrahydrobenzo[b]thiophene-3-carbonitriles as histone deacetylase inhibitors. <i>Bioorganic Chemistry</i> , 2021, 110, 104801.	4.1	6
16	Stimuli Responsive, Programmable DNA Nanodevices for Biomedical Applications. <i>Frontiers in Chemistry</i> , 2021, 9, 704234.	3.6	10
17	Aptamer-Programmed DNA Nanodevices for Advanced, Targeted Cancer Theranostics. <i>ACS Applied Bio Materials</i> , 2021, 4, 5392-5404.	4.6	17
18	Ultrasound-Enabled Therapeutic Delivery and Regenerative Medicine: Physical and Biological Perspectives. <i>ACS Biomaterials Science and Engineering</i> , 2021, 7, 4371-4387.	5.2	6

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19	Unusual Aggregates Formed by the Self-Assembly of Proline, Hydroxyproline, and Lysine. ACS Chemical Neuroscience, 2021, 12, 3237-3249.	3.5	22
20	Self-assembly of a benzothiazolone conjugate into panchromatic fluorescent fibres and their application in cellular imaging. New Journal of Chemistry, 2021, 45, 17211-17221.	2.8	6
21	Programmable, self-assembled DNA nanodevices for cellular programming and tissue engineering. Nanoscale, 2021, 13, 16834-16846.	5.6	14
22	Sequential and cellular detection of copper and lactic acid by disaggregation and reaggregation of the fluorescent panchromatic fibres of an acylthiourea based sensor. Soft Matter, 2021, 17, 4304-4316.	2.7	20
23	Designer DNA Hydrogels Stimulate 3D Cell Invasion by Enhanced Receptor Expression and Membrane Endocytosis. ACS Biomaterials Science and Engineering, 2021, 7, 5933-5942.	5.2	8
24	Functional DNA Based Hydrogels: Development, Properties and Biological Applications. ACS Biomaterials Science and Engineering, 2020, 6, 6021-6035.	5.2	61
25	DNA Nanodevices to Probe and Program Membrane Organization, Dynamics, and Applications. Journal of Membrane Biology, 2020, 253, 577-587.	2.1	4
26	DNA-Functionalized Nanoparticles for Targeted Biosensing and Biological Applications. ACS Omega, 2020, 5, 30767-30774.	3.5	8
27	Designer, Programmable 3D DNA Nanodevices to Probe Biological Systems. ACS Applied Bio Materials, 2020, 3, 7265-7277.	4.6	25
28	Effectiveness of Oil-Layered Albumin Microbubbles Produced Using Microfluidic T-Junctions in Series for In Vitro Inhibition of Tumor Cells. Langmuir, 2020, 36, 11429-11441.	3.5	15
29	Probing the structure and in silico stability of cargo loaded DNA icosahedra using MD simulations. Nanoscale, 2017, 9, 4467-4477.	5.6	14
30	Friction Mediates Scission of Tubular Membranes Scaffolded by BAR Proteins. Cell, 2017, 170, 172-184.e11.	28.9	171
31	A novel type of quantum dot-transferrin conjugate using DNA hybridization mimics intracellular recycling of endogenous transferrin. Nanoscale, 2017, 9, 15453-15460.	5.6	7
32	Quantum dot-loaded monofunctionalized DNA icosahedra for single-particle tracking of endocytic pathways. Nature Nanotechnology, 2016, 11, 1112-1119.	31.5	142
33	A method to study in vivo stability of DNA nanostructures. Methods, 2013, 64, 94-100.	3.8	57
34	A Method to Encapsulate Molecular Cargo Within DNA Icosahedra. Methods in Molecular Biology, 2013, 991, 65-80.	0.9	4
35	Controlled Release of Encapsulated Cargo from a DNA Icosahedron using a Chemical Trigger. Angewandte Chemie - International Edition, 2013, 52, 6854-6857.	13.8	109
36	Designer Nucleic Acid-Based Devices in Nanomedicine. , 2013, , 1-10.		0

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37	Designer DNA give RNAi more spine. <i>Nature Nanotechnology</i> , 2012, 7, 344-346.	31.5	10
38	A synthetic icosahedral DNA-based host-cargo complex for functional in vivo imaging. <i>Nature Communications</i> , 2011, 2, 339.	12.8	215
39	Synthetic, biofunctional nucleic acid-based molecular devices. <i>Current Opinion in Biotechnology</i> , 2011, 22, 475-484.	6.6	30
40	pH-toggled DNA Architectures: Reversible Assembly of Three-Way Junctions into Extended 1D Architectures Through A-Motif Formation. <i>Small</i> , 2010, 6, 1288-1292.	10.0	22
41	Structural DNA Nanotechnology: From Bases to Bricks, From Structure to Function. <i>Journal of Physical Chemistry Letters</i> , 2010, 1, 1994-2005.	4.6	63
42	Icosahedral DNA Nanocapsules by Modular Assembly. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 4134-4137.	13.8	196