Himanshu Joshi

List of Publications by Year
in descending order

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		471061	525886
26 papers	868 citations	17 h-index	27 g-index
30 all docs	30 docs citations	30 times ranked	1089 citing authors

#	Article	IF	Citations
1	Fluorofoldamer-Based Salt- and Proton-Rejecting Artificial Water Channels for Ultrafast Water Transport. Nano Letters, 2022, 22, 4831-4838.	4.5	12
2	Chiral Systems Made from DNA. Advanced Science, 2021, 8, 2003113.	5.6	42
3	Determining the In-Plane Orientation and Binding Mode of Single Fluorescent Dyes in DNA Origami Structures. ACS Nano, 2021, 15, 5109-5117.	7.3	18
4	Hydrophobic Interactions between DNA Duplexes and Synthetic and Biological Membranes. Journal of the American Chemical Society, 2021, 143, 8305-8313.	6.6	26
5	Foldamer-based ultrapermeable and highly selective artificial water channels that exclude protons. Nature Nanotechnology, 2021, 16, 911-917.	15.6	54
6	Cations Regulate Membrane Attachment and Functionality of DNA Nanostructures. Journal of the American Chemical Society, 2021, 143, 7358-7367.	6.6	44
7	Synthetic Macrocycle Nanopore for Potassium-Selective Transmembrane Transport. Journal of the American Chemical Society, 2021, 143, 15975-15983.	6.6	33
8	DNA Origami Voltage Sensors for Transmembrane Potentials with Single-Molecule Sensitivity. Nano Letters, 2021, 21, 8634-8641.	4.5	22
9	Membrane Activity of a DNA-Based Ion Channel Depends on the Stability of Its Double-Stranded Structure. Nano Letters, 2021, 21, 9789-9796.	4.5	5
10	Rosette Nanotube Porins as Ion Selective Transporters and Single-Molecule Sensors. Journal of the American Chemical Society, 2020, 142, 1680-1685.	6.6	19
11	Artificial water channels enable fast and selective water permeation through water-wire networks. Nature Nanotechnology, 2020, 15, 73-79.	15.6	111
12	High-Fidelity Capture, Threading, and Infinite-Depth Sequencing of Single DNA Molecules with a Double-Nanopore System. ACS Nano, 2020, 14, 15566-15576.	7.3	24
13	Tailoring Interleaflet Lipid Transfer with a DNA-based Synthetic Enzyme. Nano Letters, 2020, 20, 4306-4311.	4.5	13
14	Polyhydrazideâ€Based Organic Nanotubes as Efficient and Selective Artificial Iodide Channels. Angewandte Chemie - International Edition, 2020, 59, 4806-4813.	7.2	46
15	Polyhydrazideâ€Based Organic Nanotubes as Efficient and Selective Artificial Iodide Channels. Angewandte Chemie, 2020, 132, 4836-4843.	1.6	11
16	Atomic structures of RNA nanotubes and their comparison with DNA nanotubes. Nanoscale, 2019, 11, 14863-14878.	2.8	18
17	Controlling aggregation of cholesterol-modified DNA nanostructures. Nucleic Acids Research, 2019, 47, 11441-11451.	6.5	60
18	DNA Translocation through Hybrid Bilayer Nanopores. Journal of Physical Chemistry C, 2019, 123, 11908-11916.	1.5	14

#	ARTICLE	IF	CITATIONS
19	Tuning the Stability of DNA Nanotubes with Salt. Journal of Physical Chemistry C, 2019, 123, 9461-9470.	1.5	18
20	Effect of Temperature and Hydrophilic Ratio on the Structure of Poly(<i>N</i>-vinylcaprolactam)-<i>block</i>-poly(dimethylsiloxane)-<i>block</i>-poly(<i>N</i>-vinylcaprolactam) Polymersomes. ACS Applied Polymer Materials, 2019, 1, 722-736.	2.0	15
21	Structure and electrical properties of DNA nanotubes embedded in lipid bilayer membranes. Nucleic Acids Research, 2018, 46, 2234-2242.	6.5	16
22	Dynamic Interactions between Lipid-Tethered DNA and Phospholipid Membranes. Langmuir, 2018, 34, 15084-15092.	1.6	30
23	Probing the structure and in silico stability of cargo loaded DNA icosahedra using MD simulations. Nanoscale, 2017, 9, 4467-4477.	2.8	14
24	Quantum dot-loaded monofunctionalized DNA icosahedra for single-particle tracking of endocytic pathways. Nature Nanotechnology, 2016, 11, 1112-1119.	15.6	142
25	Nanoscale Structure and Elasticity of Pillared DNA Nanotubes. ACS Nano, 2016, 10, 7780-7791.	7.3	28
26	Structure, stability and elasticity of DNA nanotubes. Physical Chemistry Chemical Physics, 2015, 17, 1424-1434.	1.3	30