

Heidi R Culver

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

863
citations

759233

12
h-index

752698

20
g-index

21
all docs

21
docs citations

21
times ranked

1570
citing authors

#	ARTICLE	IF	CITATIONS
1	Athermal, Chemically Triggered Release of RNA from Thioester Nucleic Acids. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	8
2	Charged Poly(<i>N</i> -isopropylacrylamide) Nanogels for the Stabilization of High Isoelectric Point Proteins. <i>ACS Biomaterials Science and Engineering</i> , 2021, 7, 4282-4292.	5.2	16
3	Towards High-Efficiency Synthesis of Xenonucleic Acids. <i>Trends in Chemistry</i> , 2020, 2, 43-56.	8.5	8
4	Messenger RNA enrichment using synthetic oligo(T) click nucleic acids. <i>Chemical Communications</i> , 2020, 56, 13987-13990.	4.1	10
5	Click Nucleic Acidâ€“DNA Binding Behavior: Dependence on Length, Sequence, and Ionic Strength. <i>Biomacromolecules</i> , 2020, 21, 4205-4211.	5.4	10
6	Viscoelastic and thermoreversible networks crosslinked by non-covalent interactions between â€œclickableâ€•nucleic acid oligomers and DNA. <i>Polymer Chemistry</i> , 2020, 11, 2959-2968.	3.9	12
7	Efficient cellular uptake of click nucleic acid modified proteins. <i>Chemical Communications</i> , 2020, 56, 4820-4823.	4.1	4
8	Photo-responsive liposomes composed of spiropyran-containing triazole-phosphatidylcholine: investigation of merocyanine-stacking effects on liposomeâ€“fiber assembly-transition. <i>Soft Matter</i> , 2019, 15, 3740-3750.	2.7	18
9	Hybrid Cerasomes Composed of Phosphatidylcholines and Silica Networks for the Construction of Vesicular Materials with Functionalized Shells. <i>ACS Applied Nano Materials</i> , 2019, 2, 7549-7558.	5.0	5
10	Dynamic and Responsive DNA-like Polymers. <i>Journal of the American Chemical Society</i> , 2018, 140, 13594-13598.	13.7	45
11	Label-Free Detection of Tear Biomarkers Using Hydrogel-Coated Gold Nanoshells in a Localized Surface Plasmon Resonance-Based Biosensor. <i>ACS Nano</i> , 2018, 12, 9342-9354.	14.6	79
12	New Generation of Clickable Nucleic Acids: Synthesis and Active Hybridization with DNA. <i>Biomacromolecules</i> , 2018, 19, 4139-4146.	5.4	16
13	Analyte-Responsive Hydrogels: Intelligent Materials for Biosensing and Drug Delivery. <i>Accounts of Chemical Research</i> , 2017, 50, 170-178.	15.6	386
14	Charged poly(<i>N</i> -isopropylacrylamide) nanogels for use as differential protein receptors in a turbidimetric sensor array. <i>Analyst</i> , 2017, 142, 3183-3193.	3.5	34
15	Protein-Imprinted Polymers: The Shape of Things to Come?. <i>Chemistry of Materials</i> , 2017, 29, 5753-5761.	6.7	112
16	Versatile Route to Colloidal Stability and Surface Functionalization of Hydrophobic Nanomaterials. <i>Langmuir</i> , 2016, 32, 5629-5636.	3.5	17
17	A Closer Look at the Impact of Molecular Imprinting on Adsorption Capacity and Selectivity for Protein Templates. <i>Biomacromolecules</i> , 2016, 17, 4045-4053.	5.4	37
18	Conducting polymer nanoparticles decorated with collagen mimetic peptides for collagen targeting. <i>Chemical Communications</i> , 2014, 50, 15045-15048.	4.1	21

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19	Intelligent recognitive systems in nanomedicine. Current Opinion in Chemical Engineering, 2014, 4, 105-113.	7.8	23
20	Athermal, Chemically Triggered Release of RNA from Thioester Nucleic Acids. Angewandte Chemie, 0, , .	2.0	0