

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	Analyte-Responsive Hydrogels: Intelligent Materials for Biosensing and Drug Delivery. Accounts of Chemical Research, 2017, 50, 170-178.	15.6	386
2	Protein-Imprinted Polymers: The Shape of Things to Come?. Chemistry of Materials, 2017, 29, 5753-5761.	6.7	112
3	Label-Free Detection of Tear Biomarkers Using Hydrogel-Coated Gold Nanoshells in a Localized Surface Plasmon Resonance-Based Biosensor. ACS Nano, 2018, 12, 9342-9354.	14.6	79
4	Dynamic and Responsive DNA-like Polymers. Journal of the American Chemical Society, 2018, 140, 13594-13598.	13.7	45
5	A Closer Look at the Impact of Molecular Imprinting on Adsorption Capacity and Selectivity for Protein Templates. Biomacromolecules, 2016, 17, 4045-4053.	5.4	37
6	Charged poly(N-isopropylacrylamide) nanogels for use as differential protein receptors in a turbidimetric sensor array. Analyst, The, 2017, 142, 3183-3193.	3.5	34
7	Intelligent recognitive systems in nanomedicine. Current Opinion in Chemical Engineering, 2014, 4, 105-113.	7.8	23
8	Conducting polymer nanoparticles decorated with collagen mimetic peptides for collagen targeting. Chemical Communications, 2014, 50, 15045-15048.	4.1	21
9	Photo-responsive liposomes composed of spiropyran-containing triazole-phosphatidylcholine: investigation of merocyanine-stacking effects on liposomeâ€“fiber assembly-transition. Soft Matter, 2019, 15, 3740-3750.	2.7	18
10	Versatile Route to Colloidal Stability and Surface Functionalization of Hydrophobic Nanomaterials. Langmuir, 2016, 32, 5629-5636.	3.5	17
11	New Generation of Clickable Nucleic Acids: Synthesis and Active Hybridization with DNA. Biomacromolecules, 2018, 19, 4139-4146.	5.4	16
12	Charged Poly(N-isopropylacrylamide) Nanogels for the Stabilization of High Isoelectric Point Proteins. ACS Biomaterials Science and Engineering, 2021, 7, 4282-4292.	5.2	16
13	Viscoelastic and thermoreversible networks crosslinked by non-covalent interactions between â€œclickableâ€“nucleic acid oligomers and DNA. Polymer Chemistry, 2020, 11, 2959-2968.	3.9	12
14	Messenger RNA enrichment using synthetic oligo(T) click nucleic acids. Chemical Communications, 2020, 56, 13987-13990.	4.1	10
15	Click Nucleic Acidâ€“DNA Binding Behavior: Dependence on Length, Sequence, and Ionic Strength. Biomacromolecules, 2020, 21, 4205-4211.	5.4	10
16	Towards High-Efficiency Synthesis of Xenonucleic Acids. Trends in Chemistry, 2020, 2, 43-56.	8.5	8
17	Athermal, Chemically Triggered Release of RNA from Thioester Nucleic Acids. Angewandte Chemie - International Edition, 2022, 61, .	13.8	8
18	Hybrid Cerasomes Composed of Phosphatidylcholines and Silica Networks for the Construction of Vesicular Materials with Functionalized Shells. ACS Applied Nano Materials, 2019, 2, 7549-7558.	5.0	5

#	ARTICLE	IF	CITATIONS
19	Efficient cellular uptake of click nucleic acid modified proteins. Chemical Communications, 2020, 56, 4820-4823.	4.1	4
20	Athermal, Chemically Triggered Release of RNA from Thioester Nucleic Acids. Angewandte Chemie, 0, , .	2.0	0