

# Heidi R Culver

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2210302/publications.pdf>

Version: 2024-02-01

20  
papers

863  
citations

758635

12  
h-index

752256

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. <i>Accounts of Chemical Research</i> , 2017, 50, 170-178.	7.6	386
2	Protein-Imprinted Polymers: The Shape of Things to Come?. <i>Chemistry of Materials</i> , 2017, 29, 5753-5761.	3.2	112
3	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.	7.3	79
4	Dynamic and Responsive DNA-like Polymers. <i>Journal of the American Chemical Society</i> , 2018, 140, 13594-13598.	6.6	45
5	A Closer Look at the Impact of Molecular Imprinting on Adsorption Capacity and Selectivity for Protein Templates. <i>Biomacromolecules</i> , 2016, 17, 4045-4053.	2.6	37
6	Charged poly(N-isopropylacrylamide) nanogels for use as differential protein receptors in a turbidimetric sensor array. <i>Analyst</i> , 2017, 142, 3183-3193.	1.7	34
7	Intelligent recognitive systems in nanomedicine. <i>Current Opinion in Chemical Engineering</i> , 2014, 4, 105-113.	3.8	23
8	Conducting polymer nanoparticles decorated with collagen mimetic peptides for collagen targeting. <i>Chemical Communications</i> , 2014, 50, 15045-15048.	2.2	21
9	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.	1.2	18
10	Versatile Route to Colloidal Stability and Surface Functionalization of Hydrophobic Nanomaterials. <i>Langmuir</i> , 2016, 32, 5629-5636.	1.6	17
11	New Generation of Clickable Nucleic Acids: Synthesis and Active Hybridization with DNA. <i>Biomacromolecules</i> , 2018, 19, 4139-4146.	2.6	16
12	Charged Poly(N-isopropylacrylamide) Nanogels for the Stabilization of High Isoelectric Point Proteins. <i>ACS Biomaterials Science and Engineering</i> , 2021, 7, 4282-4292.	2.6	16
13	Viscoelastic and thermoreversible networks crosslinked by non-covalent interactions between â€‘clickableâ€‘ nucleic acid oligomers and DNA. <i>Polymer Chemistry</i> , 2020, 11, 2959-2968.	1.9	12
14	Messenger RNA enrichment using synthetic oligo(T) click nucleic acids. <i>Chemical Communications</i> , 2020, 56, 13987-13990.	2.2	10
15	Click Nucleic Acidâ€‘DNA Binding Behavior: Dependence on Length, Sequence, and Ionic Strength. <i>Biomacromolecules</i> , 2020, 21, 4205-4211.	2.6	10
16	Towards High-Efficiency Synthesis of Xenonucleic Acids. <i>Trends in Chemistry</i> , 2020, 2, 43-56.	4.4	8
17	Athermal, Chemically Triggered Release of RNA from Thioester Nucleic Acids. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	8
18	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.	2.4	5

#	ARTICLE	IF	CITATIONS
19	Efficient cellular uptake of click nucleic acid modified proteins. <i>Chemical Communications</i> , 2020, 56, 4820-4823.	2.2	4
20	Athermal, Chemically Triggered Release of RNA from Thioester Nucleic Acids. <i>Angewandte Chemie</i> , 0, , .	1.6	0