

Weijia Hou

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

1,766
citations

304368

22
h-index

500791

28
g-index

29
all docs

29
docs citations

29
times ranked

3056
citing authors

#	ARTICLE	IF	CITATIONS
1	Self-assembly of DNA Nanohydrogels with Controllable Size and Stimuli-Responsive Property for Targeted Gene Regulation Therapy. <i>Journal of the American Chemical Society</i> , 2015, 137, 1412-1415.	6.6	406
2	Ionic Functionalization of Hydrophobic Colloidal Nanoparticles To Form Ionic Nanoparticles with Enzymelike Properties. <i>Journal of the American Chemical Society</i> , 2015, 137, 14952-14958.	6.6	130
3	Self-Assembled Aptamer-Grafted Hyperbranched Polymer Nanocarrier for Targeted and Photoresponsive Drug Delivery. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 17048-17052.	7.2	122
4	ZrMOF nanoparticles as quenchers to conjugate DNA aptamers for target-induced bioimaging and photodynamic therapy. <i>Chemical Science</i> , 2018, 9, 7505-7509.	3.7	110
5	Single Nanoparticle to 3D Supercage: Framing for an Artificial Enzyme System. <i>Journal of the American Chemical Society</i> , 2015, 137, 13957-13963.	6.6	106
6	Supramolecularly Engineered Circular Bivalent Aptamer for Enhanced Functional Protein Delivery. <i>Journal of the American Chemical Society</i> , 2018, 140, 6780-6784.	6.6	91
7	Thiol-ene click chemistry: a biocompatible way for orthogonal bioconjugation of colloidal nanoparticles. <i>Chemical Science</i> , 2017, 8, 6182-6187.	3.7	89
8	Aptamers against Cells Overexpressing Glypican-3 from Expanded Genetic Systems Combined with Cell Engineering and Laboratory Evolution. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 12372-12375.	7.2	78
9	Versatile surface engineering of porous nanomaterials with bioinspired polyphenol coatings for targeted and controlled drug delivery. <i>Nanoscale</i> , 2016, 8, 8600-8606.	2.8	78
10	A survey of advancements in nucleic acid-based logic gates and computing for applications in biotechnology and biomedicine. <i>Chemical Communications</i> , 2015, 51, 3723-3734.	2.2	67
11	Versatile <i>in situ</i> synthesis of MnO ₂ nanolayers on upconversion nanoparticles and their application in activatable fluorescence and MRI imaging. <i>Chemical Science</i> , 2018, 9, 5427-5434.	3.7	57
12	Enhanced Targeted Gene Transduction: AAV2 Vectors Conjugated to Multiple Aptamers via Reducible Disulfide Linkages. <i>Journal of the American Chemical Society</i> , 2018, 140, 2-5.	6.6	43
13	Aptamer CaCO ₃ Nanostructures: A Facile, pH-Responsive, Specific Platform for Targeted Anticancer Theranostics. <i>Chemistry - an Asian Journal</i> , 2015, 10, 166-171.	1.7	41
14	DNA micelle flares: a study of the basic properties that contribute to enhanced stability and binding affinity in complex biological systems. <i>Chemical Science</i> , 2016, 7, 6041-6049.	3.7	37
15	Recognition-then-Reaction Enables Site-Selective Bioconjugation to Proteins on Live-Cell Surfaces. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 11954-11957.	7.2	37
16	Aptamer-based multifunctional ligand-modified UCNPs for targeted PDT and bioimaging. <i>Nanoscale</i> , 2018, 10, 10986-10990.	2.8	36
17	DNA Aptamer Based Nanodrugs: Molecular Engineering for Efficiency. <i>Chemistry - an Asian Journal</i> , 2015, 10, 2084-2094.	1.7	35
18	Cross-Linked Aptamer-Lipid Micelles for Excellent Stability and Specificity in Target-Cell Recognition. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 11589-11593.	7.2	33

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19	Self-Assembled Aptamer-Grafted Hyperbranched Polymer Nanocarrier for Targeted and Photoresponsive Drug Delivery. <i>Angewandte Chemie</i> , 2018, 130, 17294-17298.	1.6	31
20	Automated high-throughput preparation and characterization of oligonucleotide-loaded lipid nanoparticles. <i>International Journal of Pharmaceutics</i> , 2021, 599, 120392.	2.6	29
21	Silica cross-linked nanoparticles encapsulating fluorescent conjugated dyes for energy transfer-based white light emission and porphyrin sensing. <i>Nanoscale</i> , 2012, 4, 6041.	2.8	28
22	Three dimensional multipod superstructures based on $\text{Cu}(\text{OH})_2$ as a highly efficient nanozyme. <i>Journal of Materials Chemistry B</i> , 2016, 4, 4657-4661.	2.9	25
23	Recognition-then-Reaction Enables Site-Selective Bioconjugation to Proteins on Live-Cell Surfaces. <i>Angewandte Chemie</i> , 2017, 129, 12116-12119.	1.6	17
24	Spherically Directed Synthesis and Enhanced Cellular Internalization of Metal-Crosslinked DNA Micelles. <i>CheM</i> , 2019, 5, 913-928.	5.8	14
25	Aptamers against Cells Overexpressing Glypican-3 from Expanded Genetic Systems Combined with Cell Engineering and Laboratory Evolution. <i>Angewandte Chemie</i> , 2016, 128, 12560-12563.	1.6	9
26	Cross-Linked Aptamer-Lipid Micelles for Excellent Stability and Specificity in Target-Cell Recognition. <i>Angewandte Chemie</i> , 2018, 130, 11763-11767.	1.6	8
27	Antitumor Activity of Lipid-DNA Aptamer Modified T Lymphocytes in Carcinoma. <i>Journal of Biomedical Nanotechnology</i> , 2020, 16, 1110-1118.	0.5	7
28	Chelation-assisted assembly of multidentate colloidal nanoparticles into metal-organic nanoparticles. <i>Nanoscale</i> , 2018, 10, 21369-21373.	2.8	2