

Ruowen Wang

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

41
papers

2,158
citations

21
h-index

46
g-index

46
ext. papers

2,500
ext. citations

10.8
avg, IF

4.71
L-index

#	Paper	IF	Citations
41	Programmable Repurposing of Existing Drugs as Pharmaceutical Elements for the Construction of Aptamer-Drug Conjugates. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 9457-9463	9.5	4
40	Conformational Conversion Enhances Cellular Uptake of F Base Double-Strand-Conjugated Oligonucleotides. <i>Analytical Chemistry</i> , 2020 , 92, 10375-10380	7.8	1
39	Aptamers as Versatile Molecular Tools for Antibody Production Monitoring and Quality Control. <i>Journal of the American Chemical Society</i> , 2020 , 142, 12079-12086	16.4	12
38	Molecular domino reactor built by automated modular synthesis for cancer treatment. <i>Theranostics</i> , 2020 , 10, 4030-4041	12.1	9
37	Construction of Bispecific Aptamer-Drug Conjugate by a Hybrid Chemical and Biological Approach. <i>Bioconjugate Chemistry</i> , 2020 , 31, 1289-1294	6.3	6
36	Functionalization of amino acids with aryl fluorosulfate for prodrug construction by SuFEx chemistry. <i>Tetrahedron</i> , 2020 , 76, 130926	2.4	1
35	Polymeric Engineering of Aptamer-Drug Conjugates for Targeted Cancer Therapy. <i>Bioconjugate Chemistry</i> , 2020 , 31, 37-42	6.3	13
34	Phosphorylated lipid-conjugated oligonucleotide selectively anchors on cell membranes with high alkaline phosphatase expression. <i>Nature Communications</i> , 2019 , 10, 2704	17.4	45
33	Single-molecule DNA logic nanomachines based on origami. <i>Science China Chemistry</i> , 2019 , 62, 407-408	7.9	5
32	Recent Progress in Small-Molecule Near-IR Probes for Bioimaging. <i>Trends in Chemistry</i> , 2019 , 1, 224-234	14.8	88
31	Dynamic colloidal nanoparticle assembly triggered by aptamer-receptor interactions on live cell membranes. <i>Chemical Science</i> , 2019 , 10, 7466-7471	9.4	8
30	Endocytic Pathways and Intracellular Transport of Aptamer-Drug Conjugates in Live Cells Monitored by Single-Particle Tracking. <i>Analytical Chemistry</i> , 2019 , 91, 13818-13823	7.8	8
29	Artificial Sandwich Base for Monitoring Single-Nucleobase Changes and Charge-Transfer Rates in DNA. <i>Analytical Chemistry</i> , 2019 , 91, 2074-2078	7.8	4
28	Floxuridine Homomeric Oligonucleotides Hitchhike with Albumin In Situ for Cancer Chemotherapy. <i>Angewandte Chemie</i> , 2018 , 130, 9132-9135	3.6	4
27	Cross-Linked Aptamer-Lipid Micelles for Excellent Stability and Specificity in Target-Cell Recognition. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 11589-11593	16.4	24
26	Cross-Linked Aptamer-Lipid Micelles for Excellent Stability and Specificity in Target-Cell Recognition. <i>Angewandte Chemie</i> , 2018 , 130, 11763-11767	3.6	6
25	A basic insight into aptamer-drug conjugates (ApDCs). <i>Biomaterials</i> , 2018 , 182, 216-226	15.6	40

24	Floxuridine Homomeric Oligonucleotides "Hitchhike" with Albumin In Situ for Cancer Chemotherapy. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 8994-8997	16.4	36
23	Fluorinated DNA Micelles: Synthesis and Properties. <i>Analytical Chemistry</i> , 2018 , 90, 6843-6850	7.8	16
22	A two-photon fluorescent probe for endogenous superoxide anion radical detection and imaging in living cells and tissues. <i>Sensors and Actuators B: Chemical</i> , 2017 , 250, 259-266	8.5	40
21	Artificial Base zT as Functional "Element" for Constructing Photoresponsive DNA Nanomolecules. <i>Journal of the American Chemical Society</i> , 2017 , 139, 9104-9107	16.4	36
20	Recognition-then-Reaction Enables Site-Selective Bioconjugation to Proteins on Live-Cell Surfaces. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 11954-11957	16.4	27
19	Recognition-then-Reaction Enables Site-Selective Bioconjugation to Proteins on Live-Cell Surfaces. <i>Angewandte Chemie</i> , 2017 , 129, 12116-12119	3.6	13
18	Fluorinated molecular beacons as functional DNA nanomolecules for cellular imaging. <i>Chemical Science</i> , 2017 , 8, 7082-7086	9.4	18
17	Engineering Stability-Tunable DNA Micelles Using Photocontrollable Dissociation of an Intermolecular G-Quadruplex. <i>ACS Nano</i> , 2017 , 11, 12087-12093	16.7	35
16	Aptamer-assembled nanomaterials for fluorescent sensing and imaging. <i>Nanophotonics</i> , 2017 , 6, 109-126	6.3	33
15	Using modified aptamers for site specific protein-aptamer conjugations. <i>Chemical Science</i> , 2016 , 7, 2157-2161	9.4	41
14	Trifluoromethylated Nucleic Acid Analogues Capable of Self-Assembly through Hydrophobic Interactions. <i>Chemical Science</i> , 2014 , 5, 4076-4081	9.4	12
13	Activatable fluorescence/MRI bimodal platform for tumor cell imaging via MnO ₂ nanosheet-aptamer nanoprobe. <i>Journal of the American Chemical Society</i> , 2014 , 136, 11220-3	16.4	43
12	Automated modular synthesis of aptamer-drug conjugates for targeted drug delivery. <i>Journal of the American Chemical Society</i> , 2014 , 136, 2731-4	16.4	130
11	Functional DNA-containing nanomaterials: cellular applications in biosensing, imaging, and targeted therapy. <i>Accounts of Chemical Research</i> , 2014 , 47, 1891-901	24.3	265
10	An autonomous and controllable light-driven DNA walking device. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 2457-60	16.4	155
9	One-step facile surface engineering of hydrophobic nanocrystals with designer molecular recognition. <i>Journal of the American Chemical Society</i> , 2012 , 134, 13164-7	16.4	48
8	An Autonomous and Controllable Light-Driven DNA Walking Device. <i>Angewandte Chemie</i> , 2012 , 124, 2507-2510	3.6	33
7	Smart multifunctional nanostructure for targeted cancer chemotherapy and magnetic resonance imaging. <i>ACS Nano</i> , 2011 , 5, 7866-73	16.7	110

6	Using azobenzene incorporated DNA aptamers to probe molecular binding interactions. <i>Bioconjugate Chemistry</i> , 2011 , 22, 282-8	6.3	34
5	Using silver nanowire antennas to enhance the conversion efficiency of photoresponsive DNA nanomotors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 9331-6	11.5	30
4	DNA aptamer-micelle as an efficient detection/delivery vehicle toward cancer cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 5-10	11.5	282
3	Pyrene-assisted efficient photolysis of disulfide bonds in DNA-based molecular engineering. <i>ACS Applied Materials & Interfaces</i> , 2010 , 2, 3601-5	9.5	15
2	Synthesis and characterization of novel fluoropolymers containing sulfonyl and perfluorocyclobutyl units. <i>Polymer</i> , 2005 , 46, 7590-7597	3.9	17
1	Synthesis of 4,6-disubstituted pyrimidines via Suzuki and Kumada coupling reaction of 4,6-dichloropyrimidine. <i>Journal of Fluorine Chemistry</i> , 2003 , 120, 21-24	2.1	21