

Ruowen Wang

List of Publications by Year in descending order

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Version: 2024-02-01

45
papers

2,758
citations

257450

24
h-index

254184

43
g-index

46
all docs

46
docs citations

46
times ranked

4039
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | 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, 11220-11223. | 13.7 | 522 |
| 2 | Functional DNA-Containing Nanomaterials: Cellular Applications in Biosensing, Imaging, and Targeted Therapy. <i>Accounts of Chemical Research</i> , 2014, 47, 1891-1901. | 15.6 | 317 |
| 3 | 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. | 7.1 | 315 |
| 4 | An Autonomous and Controllable Light-Driven DNA Walking Device. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 2457-2460. | 13.8 | 186 |
| 5 | Automated Modular Synthesis of Aptamer-Drug Conjugates for Targeted Drug Delivery. <i>Journal of the American Chemical Society</i> , 2014, 136, 2731-2734. | 13.7 | 159 |
| 6 | Recent Progress in Small-Molecule Near-IR Probes for Bioimaging. <i>Trends in Chemistry</i> , 2019, 1, 224-234. | 8.5 | 137 |
| 7 | Smart Multifunctional Nanostructure for Targeted Cancer Chemotherapy and Magnetic Resonance Imaging. <i>ACS Nano</i> , 2011, 5, 7866-7873. | 14.6 | 115 |
| 8 | A basic insight into aptamer-drug conjugates (ApDCs). <i>Biomaterials</i> , 2018, 182, 216-226. | 11.4 | 75 |
| 9 | Phosphorylated lipid-conjugated oligonucleotide selectively anchors on cell membranes with high alkaline phosphatase expression. <i>Nature Communications</i> , 2019, 10, 2704. | 12.8 | 75 |
| 10 | Floxuridine Homomeric Oligonucleotides Hitchhike with Albumin In Situ for Cancer Chemotherapy. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 8994-8997. | 13.8 | 58 |
| 11 | One-Step Facile Surface Engineering of Hydrophobic Nanocrystals with Designer Molecular Recognition. <i>Journal of the American Chemical Society</i> , 2012, 134, 13164-13167. | 13.7 | 56 |
| 12 | Artificial Base zT as Functional Element for Constructing Photoresponsive DNA Nanomolecules. <i>Journal of the American Chemical Society</i> , 2017, 139, 9104-9107. | 13.7 | 52 |
| 13 | 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. | 7.8 | 49 |
| 14 | Engineering Stability-Tunable DNA Micelles Using Photocontrollable Dissociation of an Intermolecular G-Quadruplex. <i>ACS Nano</i> , 2017, 11, 12087-12093. | 14.6 | 49 |
| 15 | Using modified aptamers for site specific protein-aptamer conjugations. <i>Chemical Science</i> , 2016, 7, 2157-2161. | 7.4 | 46 |
| 16 | Aptamer-assembled nanomaterials for fluorescent sensing and imaging. <i>Nanophotonics</i> , 2017, 6, 109-121. | 6.0 | 43 |
| 17 | Recognition then Reaction Enables Site-Selective Bioconjugation to Proteins on Live Cell Surfaces. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 11954-11957. | 13.8 | 37 |
| 18 | Using Azobenzene Incorporated DNA Aptamers to Probe Molecular Binding Interactions. <i>Bioconjugate Chemistry</i> , 2011, 22, 282-288. | 3.6 | 35 |

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|----|---|------|-----------|
| 19 | 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, 9331-9336. | 7.1 | 33 |
| 20 | Cross-Linked Aptamer-Lipid Micelles for Excellent Stability and Specificity in Target-Cell Recognition. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 11589-11593. | 13.8 | 33 |
| 21 | Aptamers as Versatile Molecular Tools for Antibody Production Monitoring and Quality Control. <i>Journal of the American Chemical Society</i> , 2020, 142, 12079-12086. | 13.7 | 30 |
| 22 | Polymeric Engineering of Aptamer-Drug Conjugates for Targeted Cancer Therapy. <i>Bioconjugate Chemistry</i> , 2020, 31, 37-42. | 3.6 | 27 |
| 23 | 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. | 1.7 | 25 |
| 24 | Fluorinated DNA Micelles: Synthesis and Properties. <i>Analytical Chemistry</i> , 2018, 90, 6843-6850. | 6.5 | 24 |
| 25 | Fluorinated molecular beacons as functional DNA nanomolecules for cellular imaging. <i>Chemical Science</i> , 2017, 8, 7082-7086. | 7.4 | 22 |
| 26 | Synthesis and characterization of novel fluoropolymers containing sulfonyl and perfluorocyclobutyl units. <i>Polymer</i> , 2005, 46, 7590-7597. | 3.8 | 20 |
| 27 | Pyrene-Assisted Efficient Photolysis of Disulfide Bonds in DNA-Based Molecular Engineering. <i>ACS Applied Materials & Interfaces</i> , 2010, 2, 3601-3605. | 8.0 | 18 |
| 28 | Recognition-Then-Reaction Enables Site-Selective Bioconjugation to Proteins on Live-Cell Surfaces. <i>Angewandte Chemie</i> , 2017, 129, 12116-12119. | 2.0 | 17 |
| 29 | 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. | 6.5 | 16 |
| 30 | Trifluoromethylated nucleic acid analogues capable of self-assembly through hydrophobic interactions. <i>Chemical Science</i> , 2014, 5, 4076-4081. | 7.4 | 15 |
| 31 | Dynamic colloidal nanoparticle assembly triggered by aptamer-receptor interactions on live cell membranes. <i>Chemical Science</i> , 2019, 10, 7466-7471. | 7.4 | 15 |
| 32 | Molecular domino reactor built by automated modular synthesis for cancer treatment. <i>Theranostics</i> , 2020, 10, 4030-4041. | 10.0 | 14 |
| 33 | Construction of Bispecific Aptamer-Drug Conjugate by a Hybrid Chemical and Biological Approach. <i>Bioconjugate Chemistry</i> , 2020, 31, 1289-1294. | 3.6 | 14 |
| 34 | Programmable manipulation of oligonucleotide-albumin interaction for elongated circulation time. <i>Nucleic Acids Research</i> , 2022, 50, 3083-3095. | 14.5 | 14 |
| 35 | 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. | 8.0 | 11 |
| 36 | Engineering Aptamers with Selectively Enhanced Biostability in the Tumor Microenvironment. <i>Angewandte Chemie - International Edition</i> , 2022, 61, . | 13.8 | 11 |

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|----|--|------|-----------|
| 37 | Floxuridine Homomeric Oligonucleotides "Hitchhike" with Albumin In Situ for Cancer Chemotherapy. <i>Angewandte Chemie</i> , 2018, 130, 9132-9135. | 2.0 | 10 |
| 38 | Cross-Linked Aptamer-Lipid Micelles for Excellent Stability and Specificity in Target Cell Recognition. <i>Angewandte Chemie</i> , 2018, 130, 11763-11767. | 2.0 | 8 |
| 39 | Artificial Sandwich Base for Monitoring Single-Nucleobase Changes and Charge-Transfer Rates in DNA. <i>Analytical Chemistry</i> , 2019, 91, 2074-2078. | 6.5 | 6 |
| 40 | Single-molecule DNA logic nanomachines based on origami. <i>Science China Chemistry</i> , 2019, 62, 407-408. | 8.2 | 5 |
| 41 | Conformational Conversion Enhances Cellular Uptake of F Base Double-Strand-Conjugated Oligonucleotides. <i>Analytical Chemistry</i> , 2020, 92, 10375-10380. | 6.5 | 4 |
| 42 | Functionalization of amino acids with aryl fluorosulfate for prodrug construction by SuFEx chemistry. <i>Tetrahedron</i> , 2020, 76, 130926. | 1.9 | 2 |
| 43 | Synthesis of 4,6-Disubstituted Pyrimidines via Suzuki and Kumada Coupling Reaction of 4,6-Dichloropyrimidine. <i>ChemInform</i> , 2003, 34, no. | 0.0 | 0 |
| 44 | Innenr¼cktitelbild: An Autonomous and Controllable Light-Driven DNA Walking Device (<i>Angew. Chem.</i>) Tj ETQq0,0,0 rgBT /Overlock 1 | 2.0 | 0 |
| 45 | Inside Back Cover: An Autonomous and Controllable Light-Driven DNA Walking Device (<i>Angew. Chem.</i>) Tj ETQq1 1 0,784314 rgBT /O | 13.8 | 0 |