

# Ruowen Wang

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6764985/publications.pdf>

Version: 2024-02-01

45  
papers

2,758  
citations

257101

24  
h-index

253896

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 <sub>2</sub> Nanosheet-Aptamer Nanoprobe. <i>Journal of the American Chemical Society</i> , 2014, 136, 11220-11223.	6.6	522
2	Functional DNA-Containing Nanomaterials: Cellular Applications in Biosensing, Imaging, and Targeted Therapy. <i>Accounts of Chemical Research</i> , 2014, 47, 1891-1901.	7.6	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.	3.3	315
4	An Autonomous and Controllable Light-Driven DNA Walking Device. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 2457-2460.	7.2	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.	6.6	159
6	Recent Progress in Small-Molecule Near-IR Probes for Bioimaging. <i>Trends in Chemistry</i> , 2019, 1, 224-234.	4.4	137
7	Smart Multifunctional Nanostructure for Targeted Cancer Chemotherapy and Magnetic Resonance Imaging. <i>ACS Nano</i> , 2011, 5, 7866-7873.	7.3	115
8	A basic insight into aptamer-drug conjugates (ApDCs). <i>Biomaterials</i> , 2018, 182, 216-226.	5.7	75
9	Phosphorylated lipid-conjugated oligonucleotide selectively anchors on cell membranes with high alkaline phosphatase expression. <i>Nature Communications</i> , 2019, 10, 2704.	5.8	75
10	Floxuridine Homomeric Oligonucleotides Hitchhike with Albumin In Situ for Cancer Chemotherapy. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 8994-8997.	7.2	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.	6.6	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.	6.6	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.	4.0	49
14	Engineering Stability-Tunable DNA Micelles Using Photocontrollable Dissociation of an Intermolecular G-Quadruplex. <i>ACS Nano</i> , 2017, 11, 12087-12093.	7.3	49
15	Using modified aptamers for site specific protein-aptamer conjugations. <i>Chemical Science</i> , 2016, 7, 2157-2161.	3.7	46
16	Aptamer-assembled nanomaterials for fluorescent sensing and imaging. <i>Nanophotonics</i> , 2017, 6, 109-121.	2.9	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.	7.2	37
18	Using Azobenzene Incorporated DNA Aptamers to Probe Molecular Binding Interactions. <i>Bioconjugate Chemistry</i> , 2011, 22, 282-288.	1.8	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.	3.3	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.	7.2	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.	6.6	30
22	Polymeric Engineering of Aptamer-Drug Conjugates for Targeted Cancer Therapy. <i>Bioconjugate Chemistry</i> , 2020, 31, 37-42.	1.8	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.	0.9	25
24	Fluorinated DNA Micelles: Synthesis and Properties. <i>Analytical Chemistry</i> , 2018, 90, 6843-6850.	3.2	24
25	Fluorinated molecular beacons as functional DNA nanomolecules for cellular imaging. <i>Chemical Science</i> , 2017, 8, 7082-7086.	3.7	22
26	Synthesis and characterization of novel fluoropolymers containing sulfonyl and perfluorocyclobutyl units. <i>Polymer</i> , 2005, 46, 7590-7597.	1.8	20
27	Pyrene-Assisted Efficient Photolysis of Disulfide Bonds in DNA-Based Molecular Engineering. <i>ACS Applied Materials &amp; Interfaces</i> , 2010, 2, 3601-3605.	4.0	18
28	Recognition-Then-Reaction Enables Site-Selective Bioconjugation to Proteins on Live-Cell Surfaces. <i>Angewandte Chemie</i> , 2017, 129, 12116-12119.	1.6	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.	3.2	16
30	Trifluoromethylated nucleic acid analogues capable of self-assembly through hydrophobic interactions. <i>Chemical Science</i> , 2014, 5, 4076-4081.	3.7	15
31	Dynamic colloidal nanoparticle assembly triggered by aptamer-receptor interactions on live cell membranes. <i>Chemical Science</i> , 2019, 10, 7466-7471.	3.7	15
32	Molecular domino reactor built by automated modular synthesis for cancer treatment. <i>Theranostics</i> , 2020, 10, 4030-4041.	4.6	14
33	Construction of Bispecific Aptamer-Drug Conjugate by a Hybrid Chemical and Biological Approach. <i>Bioconjugate Chemistry</i> , 2020, 31, 1289-1294.	1.8	14
34	Programmable manipulation of oligonucleotide-albumin interaction for elongated circulation time. <i>Nucleic Acids Research</i> , 2022, 50, 3083-3095.	6.5	14
35	Programmable Repurposing of Existing Drugs as Pharmaceutical Elements for the Construction of Aptamer-Drug Conjugates. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 9457-9463.	4.0	11
36	Engineering Aptamers with Selectively Enhanced Biostability in the Tumor Microenvironment. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	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.	1.6	10
38	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
39	Artificial Sandwich Base for Monitoring Single-Nucleobase Changes and Charge-Transfer Rates in DNA. <i>Analytical Chemistry</i> , 2019, 91, 2074-2078.	3.2	6
40	Single-molecule DNA logic nanomachines based on origami. <i>Science China Chemistry</i> , 2019, 62, 407-408.	4.2	5
41	Conformational Conversion Enhances Cellular Uptake of F Base Double-Strand-Conjugated Oligonucleotides. <i>Analytical Chemistry</i> , 2020, 92, 10375-10380.	3.2	4
42	Functionalization of amino acids with aryl fluorosulfate for prodrug construction by SuFEx chemistry. <i>Tetrahedron</i> , 2020, 76, 130926.	1.0	2
43	Synthesis of 4,6-Disubstituted Pyrimidines via Suzuki and Kumada Coupling Reaction of 4,6-Dichloropyrimidine. <i>ChemInform</i> , 2003, 34, no.	0.1	0
44	Innenr¼cktitelbild: An Autonomous and Controllable Light-Driven DNA Walking Device ( <i>Angew. Chem.</i> ) Tj ETQq0,0,0 rgBT /Overlock 1	1.6	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	1.2	0