

# Wenhu Zhou

## List of Publications by Year in descending order

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Version: 2024-02-01

86  
papers

4,336  
citations

136740

32  
h-index

114278

63  
g-index

88  
all docs

88  
docs citations

88  
times ranked

4289  
citing authors

#	ARTICLE	IF	CITATIONS
1	Advances of nanoparticles as drug delivery systems for disease diagnosis and treatment. Chinese Chemical Letters, 2023, 34, 107518.	4.8	124
2	Macrophages-regulating nanomedicines for sepsis therapy. Chinese Chemical Letters, 2023, 34, 107588.	4.8	7
3	New advances in brain-targeting nano-drug delivery systems for Alzheimer's disease. Journal of Drug Targeting, 2022, 30, 61-81.	2.1	34
4	Macrophage-targeted nanomedicine for chronic diseases immunotherapy. Chinese Chemical Letters, 2022, 33, 597-612.	4.8	44
5	Fenton metal nanomedicines for imaging-guided combinatorial chemodynamic therapy against cancer. Asian Journal of Pharmaceutical Sciences, 2022, 17, 177-192.	4.3	21
6	Anti-CD44 DNAzyme Loaded Photothermal Mn <sup>2+</sup> /Fe <sup>3+</sup> Hybrid Metal-Phenolic Networks for Cyclically Amplified Tumor Ferroptosis Immunotherapy. Advanced Healthcare Materials, 2022, 11, e2102315.	3.9	25
7	What the Microscale Systems See in Biological Assemblies: Cells and Viruses?. Analytical Chemistry, 2022, 94, 59-74.	3.2	4
8	Surface Coating of Pulmonary siRNA Delivery Vectors Enabling Mucus Penetration, Cell Targeting, and Intracellular Radical Scavenging for Enhanced Acute Lung Injury Therapy. ACS Applied Materials & Interfaces, 2022, 14, 5090-5100.	4.0	17
9	Combinatorial effect of thymoquinone with chemo agents for tumor therapy. Phytomedicine, 2022, 98, 153936.	2.3	6
10	Intrinsic Radical Species Scavenging Activities of Tea Polyphenols Nanoparticles Block Pyroptosis in Endotoxin-Induced Sepsis. ACS Nano, 2022, 16, 2429-2441.	7.3	61
11	Self-oxygenation mesoporous MnO <sub>2</sub> nanoparticles with ultra-high drug loading capacity for targeted arteriosclerosis therapy. Journal of Nanobiotechnology, 2022, 20, 88.	4.2	28
12	Brain Penetration and Neuron Targeting DNA Nanoflowers Co-Delivering miR-124 and Rutin for Synergistic Therapy of Alzheimer's Disease. Small, 2022, 18, e2107534.	5.2	26
13	Current Advances of Nanomedicines Delivering Arsenic Trioxide for Enhanced Tumor Therapy. Pharmaceutics, 2022, 14, 743.	2.0	17
14	Study on the Mechanism of Astragalus Polysaccharide in Treating Pulmonary Fibrosis Based on Drug-Target-Pathway Network. Frontiers in Pharmacology, 2022, 13, 865065.	1.6	13
15	Pure DNA scaffolded drug delivery systems for cancer therapy. Biomaterials, 2022, 285, 121532.	5.7	9
16	Polyserotonin as a versatile coating with pH-responsive degradation for anti-tumor therapy. Chemical Communications, 2022, 58, 6713-6716.	2.2	7
17	Radicals Scavenging MOFs Enabling Targeting Delivery of siRNA for Rheumatoid Arthritis Therapy. Small, 2022, 18, .	5.2	34
18	Non-cytotoxic nanoparticles re-educating macrophages achieving both innate and adaptive immune responses for tumor therapy. Asian Journal of Pharmaceutical Sciences, 2022, 17, 557-570.	4.3	7

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19	A smart MnO <sub>2</sub> -doped graphene oxide nanosheet for enhanced chemo-photodynamic combinatorial therapy via simultaneous oxygenation and glutathione depletion. <i>Acta Pharmaceutica Sinica B</i> , 2021, 11, 823-834.	5.7	44
20	Targeted silver nanoparticles for rheumatoid arthritis therapy via macrophage apoptosis and Re-polarization. <i>Biomaterials</i> , 2021, 264, 120390.	5.7	226
21	Rational design of metal-organic frameworks to deliver methotrexate for targeted rheumatoid arthritis therapy. <i>Journal of Controlled Release</i> , 2021, 330, 119-131.	4.8	45
22	Analysis of the biodegradation performance and biofouling in a halophilic MBBR-MBR to improve the treatment of disinfected saline wastewater. <i>Chemosphere</i> , 2021, 269, 128716.	4.2	18
23	“Trojan Horse”-Salmonella Enabling Tumor Homing of Silver Nanoparticles via Neutrophil Infiltration for Synergistic Tumor Therapy and Enhanced Biosafety. <i>Nano Letters</i> , 2021, 21, 414-423.	4.5	50
24	Light-up RNA aptamer signaling-CRISPR-Cas13a-based mix-and-read assays for profiling viable pathogenic bacteria. <i>Biosensors and Bioelectronics</i> , 2021, 176, 112906.	5.3	66
25	Biodegradation performance and biofouling control of a halophilic biocarriers-MBR in saline pharmaceutical (ampicillin-containing) wastewater treatment. <i>Chemosphere</i> , 2021, 263, 127949.	4.2	13
26	DNAzyme-adsorbed polydopamine@MnO <sub>2</sub> core-shell nanocomposites for enhanced photothermal therapy via the self-activated suppression of heat shock protein 70. <i>Nanoscale</i> , 2021, 13, 5125-5135.	2.8	34
27	Polarity control of DNA adsorption enabling the surface functionalization of CuO nanozymes for targeted tumor therapy. <i>Materials Horizons</i> , 2021, 8, 972-986.	6.4	29
28	Hyaluronic Acid-Coated MTX-PEI Nanoparticles for Targeted Rheumatoid Arthritis Therapy. <i>Crystals</i> , 2021, 11, 321.	1.0	10
29	Dopamine-Grafted Hyaluronic Acid Coated Hyperbranched Poly( <sup>l</sup> -Amino Esters)/DNA Nano-Complexes for Enhanced Gene Delivery and Biosafety. <i>Crystals</i> , 2021, 11, 347.	1.0	8
30	ROS-responsive liposomes with NIR light-triggered doxorubicin release for combinatorial therapy of breast cancer. <i>Journal of Nanobiotechnology</i> , 2021, 19, 134.	4.2	41
31	A cyclic nano-reactor achieving enhanced photodynamic tumor therapy by reversing multiple resistances. <i>Journal of Nanobiotechnology</i> , 2021, 19, 149.	4.2	29
32	Rapamycin as a “One-Stone-Three-Birds” Agent for Cooperatively Enhanced Phototherapies Against Metastatic Breast Cancer. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 25674-25684.	4.0	16
33	Temperature-robust and ratiometric G-quadruplex proximate DNAzyme assay for robustly monitoring of uranium pollution and its microbial biosorbents screening. <i>Journal of Hazardous Materials</i> , 2021, 413, 125383.	6.5	19
34	Preparation and preliminary quality evaluation of aspirin/L-glutamate compound pellets. <i>Journal of Materials Science: Materials in Medicine</i> , 2021, 32, 116.	1.7	1
35	Imatinib co-loaded targeted realgar nanocrystal for synergistic therapy of chronic myeloid leukemia. <i>Journal of Controlled Release</i> , 2021, 338, 190-200.	4.8	9
36	Potential and applications of capillary electrophoresis for analyzing traditional Chinese medicine: a critical review. <i>Analyst</i> , The, 2021, 146, 4724-4736.	1.7	13

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37	Metal-phenolic networks for cancer theranostics. <i>Biomaterials Science</i> , 2021, 9, 2825-2849.	2.6	45
38	Cell membrane inspired nano-shell enabling long-acting Glucose Oxidase for Melanoma starvation therapy via microneedles-based percutaneous delivery. <i>Theranostics</i> , 2021, 11, 8270-8282.	4.6	26
39	Crystalline Micro- and Nano-Materials for Medical and Other Biochemical Applications. <i>Crystals</i> , 2021, 11, 1361.	1.0	2
40	Core-Shell Nanosystems for Self-Activated Drug-Gene Combinations against Triple-Negative Breast Cancer. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 53654-53664.	4.0	43
41	A review of stevia as a potential healthcare product: Up-to-date functional characteristics, administrative standards and engineering techniques. <i>Trends in Food Science and Technology</i> , 2020, 103, 264-281.	7.8	39
42	Co-delivery of doxorubicin and DNAzyme using ZnO@polydopamine core-shell nanocomposites for chemo/gene/photothermal therapy. <i>Acta Biomaterialia</i> , 2020, 110, 242-253.	4.1	48
43	Metal organic framework coated MnO <sub>2</sub> nanosheets delivering doxorubicin and self-activated DNAzyme for chemo-gene combinatorial treatment of cancer. <i>International Journal of Pharmaceutics</i> , 2020, 585, 119513.	2.6	36
44	Nanoscale Copper(II)-Diethyldithiocarbamate Coordination Polymer as a Drug Self-Delivery System for Highly Robust and Specific Cancer Therapy. <i>Molecular Pharmaceutics</i> , 2020, 17, 2864-2873.	2.3	35
45	An aptamer-tethered, DNAzyme-embedded molecular beacon for simultaneous detection and regulation of tumor-related genes in living cells. <i>Analyst</i> , 2019, 144, 5098-5107.	1.7	13
46	Ligands dissociation induced gold nanoparticles aggregation for colorimetric Al <sup>3+</sup> detection. <i>Analytica Chimica Acta</i> , 2019, 1087, 76-85.	2.6	21
47	A Smart pH-Sensitive Delivery System for Enhanced Anticancer Efficacy via Paclitaxel Endosomal Escape. <i>Frontiers in Pharmacology</i> , 2019, 10, 10.	1.6	61
48	Spermine modified polymeric micelles with pH-sensitive drug release for targeted and enhanced antitumor therapy. <i>RSC Advances</i> , 2019, 9, 11026-11037.	1.7	19
49	A tetrahedral DNA nanoflare for fluorometric determination of nucleic acids and imaging of microRNA using toehold strands. <i>Mikrochimica Acta</i> , 2019, 186, 824.	2.5	7
50	Oxygen-Self-Supplying and HIF-1 $\alpha$ -Inhibiting Core-Shell Nanosystem for Hypoxia-Resistant Photodynamic Therapy. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 48261-48270.	4.0	82
51	Tandem DNAzyme for double digestion: a new tool for circRNA suppression. <i>Biological Chemistry</i> , 2019, 400, 247-253.	1.2	10
52	A thermo-responsive and self-healing liposome-in-hydrogel system as an antitubercular drug carrier for localized bone tuberculosis therapy. <i>International Journal of Pharmaceutics</i> , 2019, 558, 101-109.	2.6	45
53	The Pharmacokinetics of Morphine and Codeine in Human Plasma and Urine after Oral Administration of Qiangli Pipa Syrup. <i>Journal of Forensic Sciences</i> , 2018, 63, 1221-1228.	0.9	4
54	Facile construction of dual-targeting delivery system by using lipid capped polymer nanoparticles for anti-glioma therapy. <i>RSC Advances</i> , 2018, 8, 444-453.	1.7	16

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55	An RNA-cleaving Catalytic DNA Accelerated by Freezing. <i>ChemBioChem</i> , 2018, 19, 1012-1017.	1.3	12
56	Screening of DNAzyme mutants for highly sensitive and selective detection of calcium in milk. <i>Analytical Methods</i> , 2018, 10, 1740-1746.	1.3	13
57	Multi-metal-dependent nucleic acid enzymes. <i>Metallomics</i> , 2018, 10, 30-48.	1.0	40
58	Ultrasensitive DNAzyme-based Ca <sup>2+</sup> Detection Boosted by Ethanol and a Solvent-compatible Scaffold for Aptazyme Design. <i>ChemBioChem</i> , 2018, 19, 31-36.	1.3	32
59	Mechanisms of drug release in pH-sensitive micelles for tumour targeted drug delivery system: A review. <i>International Journal of Pharmaceutics</i> , 2018, 535, 253-260.	2.6	198
60	Bioorthogonal DNA Adsorption on Polydopamine Nanoparticles Mediated by Metal Coordination for Highly Robust Sensing in Serum and Living Cells. <i>ACS Nano</i> , 2018, 12, 9070-9080.	7.3	107
61	Platinated graphene oxide: A nanoplatform for efficient gene-chemo combination cancer therapy. <i>European Journal of Pharmaceutical Sciences</i> , 2018, 121, 319-329.	1.9	18
62	An Exceptionally Selective DNA Cooperatively Binding Two Ca <sup>2+</sup> Ions. <i>ChemBioChem</i> , 2017, 18, 518-522.	1.3	63
63	Kinetic Discrimination of Metal Ions Using DNA for Highly Sensitive and Selective Cr <sup>3+</sup> Detection. <i>ACS Sensors</i> , 2017, 2, 663-669.	4.0	33
64	Enhanced DNA sensitized Tb <sup>3+</sup> luminescence in organic solvents for more sensitive detection. <i>Analytica Chimica Acta</i> , 2017, 977, 44-51.	2.6	12
65	Metal Sensing by DNA. <i>Chemical Reviews</i> , 2017, 117, 8272-8325.	23.0	713
66	A Silver-Specific DNAzyme with a New Silver Aptamer and Salt-Promoted Activity. <i>Biochemistry</i> , 2017, 56, 1955-1962.	1.2	36
67	Site-selective Labeling of Chromium(III) as a Quencher on DNA for Molecular Beacons. <i>ChemPlusChem</i> , 2017, 82, 1224-1230.	1.3	9
68	Splitting a DNAzyme enables a Na <sup>+</sup> -dependent FRET signal from the embedded aptamer. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 6959-6966.	1.5	11
69	Two Completely Different Mechanisms for Highly Specific Na <sup>+</sup> Recognition by DNAzymes. <i>ChemBioChem</i> , 2017, 18, 1828-1835.	1.3	22
70	2-Aminopurine-modified DNA homopolymers for robust and sensitive detection of mercury and silver. <i>Biosensors and Bioelectronics</i> , 2017, 87, 171-177.	5.3	75
71	Theranostic DNAzymes. <i>Theranostics</i> , 2017, 7, 1010-1025.	4.6	190
72	Fluorescent sensors for sodium ions. <i>Analytical Methods</i> , 2017, 9, 5570-5579.	1.3	26

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73	A Selective Na <sup>+</sup> Aptamer Dissected by Sensitized Tb <sup>3+</sup> Luminescence. ChemBioChem, 2016, 17, 1563-1570.	1.3	26
74	In Vitro Selection of Chromium-Dependent DNAzymes for Sensing Chromium(III) and Chromium(VI). Chemistry - A European Journal, 2016, 22, 9835-9840.	1.7	57
75	A New Na <sup>+</sup> -Dependent RNA-Cleaving DNAzyme with over 1000-fold Rate Acceleration by Ethanol. ChemBioChem, 2016, 17, 159-163.	1.3	70
76	A highly specific sodium aptamer probed by 2-aminopurine for robust Na <sup>+</sup> sensing. Nucleic Acids Research, 2016, 44, gkw845.	6.5	32
77	Cr <sup>3+</sup> Binding to DNA Backbone Phosphate and Bases: Slow Ligand Exchange Rates and Metal Hydrolysis. Inorganic Chemistry, 2016, 55, 8193-8200.	1.9	29
78	An Efficient Lanthanide-Dependent DNAzyme Cleaving 2 <sup>′</sup> -5 <sup>′</sup> -Linked RNA. ChemBioChem, 2016, 17, 890-894.	1.7	17
79	A DNAzyme requiring two different metal ions at two distinct sites. Nucleic Acids Research, 2016, 44, 354-363.	6.5	80
80	In Vitro Selection in Serum: RNA-Cleaving DNAzymes for Measuring Ca <sup>2+</sup> and Mg <sup>2+</sup> . ACS Sensors, 2016, 1, 600-606.	4.0	66
81	Formulation, characterization and clinical evaluation of propranolol hydrochloride gel for transdermal treatment of superficial infantile hemangioma. Drug Development and Industrial Pharmacy, 2015, 41, 1109-1119.	0.9	24
82	DNAzyme Hybridization, Cleavage, Degradation, and Sensing in Undiluted Human Blood Serum. Analytical Chemistry, 2015, 87, 4001-4007.	3.2	52
83	A platinum shell for ultraslow ligand exchange: unmodified DNA adsorbing more stably on platinum than thiol and dithiol on gold. Chemical Communications, 2015, 51, 12084-12087.	2.2	21
84	Aptamer-based biosensors for biomedical diagnostics. Analyst, The, 2014, 139, 2627.	1.7	435
85	Aptamer-nanoparticle bioconjugates enhance intracellular delivery of vinorelbine to breast cancer cells. Journal of Drug Targeting, 2014, 22, 57-66.	2.1	47
86	Tandem Phosphorothioate Modifications for DNA Adsorption Strength and Polarity Control on Gold Nanoparticles. ACS Applied Materials & Interfaces, 2014, 6, 14795-14800.	4.0	60