

# Wei Jiang

## List of Publications by Year in descending order

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61  
papers

2,002  
citations

257450

24  
h-index

265206

42  
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62  
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62  
docs citations

62  
times ranked

2455  
citing authors

#	ARTICLE	IF	CITATIONS
1	Rational Design of Metal Organic Framework Nanocarrier-Based Codelivery System of Doxorubicin Hydrochloride/Verapamil Hydrochloride for Overcoming Multidrug Resistance with Efficient Targeted Cancer Therapy. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 19687-19697.	8.0	202
2	Cascade Signal Amplification Based on Copper Nanoparticle-Reported Rolling Circle Amplification for Ultrasensitive Electrochemical Detection of the Prostate Cancer Biomarker. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 2573-2581.	8.0	148
3	CuS@MOF-Based Well-Designed Quercetin Delivery System for Chemo-Photothermal Therapy. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 34513-34523.	8.0	138
4	H <sub>2</sub> O <sub>2</sub> Self-Producing Single-Atom Nanozyme Hydrogels as Light-Controlled Oxidative Stress Amplifier for Enhanced Synergistic Therapy by Transforming "Cold" Tumors. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	118
5	Platinum-carbon-integrated nanozymes for enhanced tumor photodynamic and photothermal therapy. <i>Nanoscale</i> , 2020, 12, 13548-13557.	5.6	104
6	Stellate Plasmonic Exosomes for Penetrative Targeting Tumor NIR-II Thermo-Radiotherapy. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 36928-36937.	8.0	86
7	Rational Design of IR820- and Ce6-Based Versatile Micelle for Single NIR Laser-Induced Imaging and Dual-Modal Phototherapy. <i>Small</i> , 2018, 14, e1802994.	10.0	81
8	Rational Design of a New Self-Codelivery System from Redox-Sensitive Camptothecin-Cytarabine Conjugate Assembly for Effectively Synergistic Anticancer Therapy. <i>Advanced Healthcare Materials</i> , 2017, 6, 1700829.	7.6	66
9	A DNA machine-based fluorescence amplification strategy for sensitive detection of uracil-DNA glycosylase activity. <i>Biosensors and Bioelectronics</i> , 2015, 68, 654-659.	10.1	50
10	Novel Engineered Bacterium/Black Phosphorus Quantum Dot Hybrid System for Hypoxic Tumor Targeting and Efficient Photodynamic Therapy. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 10564-10573.	8.0	47
11	Sensitive detection of T4 polynucleotide kinase activity based on multifunctional magnetic probes and polymerization nicking reactions mediated hyperbranched rolling circle amplification. <i>Biosensors and Bioelectronics</i> , 2017, 91, 631-636.	10.1	42
12	Amphiphilic prodrug-decorated graphene oxide as a multi-functional drug delivery system for efficient cancer therapy. <i>Materials Science and Engineering C</i> , 2018, 89, 15-24.	7.3	42
13	A biomimetic nanozyme/camptothecin hybrid system for synergistically enhanced radiotherapy. <i>Journal of Materials Chemistry B</i> , 2020, 8, 5312-5319.	5.8	42
14	Glutathione-depleting nanoplatelets for enhanced sonodynamic cancer therapy. <i>Nanoscale</i> , 2021, 13, 4512-4518.	5.6	41
15	Toehold-mediated strand displacement reaction triggered isothermal DNA amplification for highly sensitive and selective fluorescent detection of single-base mutation. <i>Biosensors and Bioelectronics</i> , 2014, 59, 276-281.	10.1	40
16	A split recognition mode combined with cascade signal amplification strategy for highly specific, sensitive detection of microRNA. <i>Biosensors and Bioelectronics</i> , 2016, 86, 834-839.	10.1	37
17	A dual amplification fluorescent strategy for sensitive detection of DNA methyltransferase activity based on strand displacement amplification and DNAzyme amplification. <i>Biosensors and Bioelectronics</i> , 2016, 77, 650-655.	10.1	36
18	Patient-derived microvesicles/AIE luminogen hybrid system for personalized sonodynamic cancer therapy in patient-derived xenograft models. <i>Biomaterials</i> , 2021, 272, 120755.	11.4	35

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19	Toehold-mediated strand displacement reaction-dependent fluorescent strategy for sensitive detection of uracil-DNA glycosylase activity. <i>Biosensors and Bioelectronics</i> , 2017, 89, 984-988.	10.1	33
20	Label-free and enzyme-free detection of transcription factors with graphene oxide fluorescence switch-based multifunctional G-quadruplex-hairpin probe. <i>Biosensors and Bioelectronics</i> , 2016, 75, 155-160.	10.1	32
21	Modular Nuclease-Responsive DNA Three-Way Junction-Based Dynamic Assembly of a DNA Device and Its Sensing Application. <i>Analytical Chemistry</i> , 2016, 88, 3817-3825.	6.5	29
22	Recent trends in the development of hydrogel therapeutics for the treatment of central nervous system disorders. <i>NPG Asia Materials</i> , 2022, 14, .	7.9	28
23	In situ fabrication of single-crystalline porous ZnO nanoplates on zinc foil to support silver nanoparticles as a stable SERS substrate. <i>CrystEngComm</i> , 2012, 14, 6023.	2.6	27
24	Immobilized enzymes in inorganic hybrid nanoflowers for biocatalytic and biosensing applications. <i>Journal of Materials Chemistry B</i> , 2021, 9, 7597-7607.	5.8	27
25	Hypoxic Tumor Radiosensitization Using Engineered Probiotics. <i>Advanced Healthcare Materials</i> , 2021, 10, e2002207.	7.6	26
26	Label-free nucleic acids detection based on DNA templated silver nanoclusters fluorescent probe. <i>Talanta</i> , 2015, 138, 163-168.	5.5	25
27	A unique dual recognition hairpin probe mediated fluorescence amplification method for sensitive detection of uracil-DNA glycosylase and endonuclease IV activities. <i>Analyst, The</i> , 2016, 141, 1789-1795.	3.5	25
28	Development of MOF @Armor@Plated@Phycocyanin and Synergistic Inhibition of Cellular Respiration for Hypoxic Photodynamic Therapy in Patient@Derived Xenograft Models. <i>Advanced Healthcare Materials</i> , 2021, 10, e2001577.	7.6	25
29	Nanozymes Regulate Redox Homeostasis in ROS-Related Inflammation. <i>Frontiers in Chemistry</i> , 2021, 9, 740607.	3.6	24
30	Recent advances in the synthesis of biodegradable polyesters by sustainable polymerization: lipase-catalyzed polymerization. <i>RSC Advances</i> , 2020, 10, 36230-36240.	3.6	23
31	Immunogenicity-boosted cancer immunotherapy based on nanoscale metal-organic frameworks. <i>Journal of Controlled Release</i> , 2022, 347, 183-198.	9.9	23
32	Advances of smart nano-drug delivery systems in osteosarcoma treatment. <i>Journal of Materials Chemistry B</i> , 2021, 9, 5439-5450.	5.8	20
33	A facile DNA/RNA nanoflower for sensitive imaging of telomerase RNA in living cells based on @zipper lock-and-key@strategy. <i>Biosensors and Bioelectronics</i> , 2020, 147, 111788.	10.1	17
34	Quantitative single-molecule detection of protein based on DNA tetrahedron fluorescent nanolabels. <i>Talanta</i> , 2014, 125, 393-399.	5.5	16
35	Multiple sealed primers-mediated rolling circle amplification strategy for sensitive and specific detection of DNA methyltransferase activity. <i>Talanta</i> , 2019, 194, 282-288.	5.5	16
36	Terminal protection-mediated autocatalytic cascade amplification coupled with graphene oxide fluorescence switch for sensitive and rapid detection of folate receptor. <i>Talanta</i> , 2017, 174, 684-688.	5.5	15

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37	Multifunctional Molecular Beacons-Modified Gold Nanoparticle as a Nanocarrier for Synergistic Inhibition and in Situ Imaging of Drug-Resistant-Related mRNAs in Living Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 35548-35555.	8.0	15
38	Sensitive and selective detection of the p53 gene based on a triple-helix magnetic probe coupled to a fluorescent liposome hybridization assembly via rolling circle amplification. <i>Analyst</i> , The, 2017, 142, 3598-3604.	3.5	13
39	Convertible DNA ends-based silver nanoprobe for colorimetric detection human telomerase activity. <i>Talanta</i> , 2018, 178, 458-463.	5.5	13
40	Model-Guided Interface Probe Arrangement for Sensitive Protein Detection. <i>Analytical Chemistry</i> , 2016, 88, 9885-9889.	6.5	12
41	Self-primer and self-template recycle rolling circle amplification strategy for sensitive detection of uracil-DNA glycosylase activity. <i>Analytica Chimica Acta</i> , 2018, 1001, 119-124.	5.4	12
42	Label-free and dual-amplified detection of protein via small molecule-ligand linked DNA and a cooperative DNA machine. <i>Biosensors and Bioelectronics</i> , 2015, 72, 107-113.	10.1	11
43	Colocalization recognition-activated cascade signal amplification strategy for ultrasensitive detection of transcription factors. <i>Biosensors and Bioelectronics</i> , 2017, 89, 978-983.	10.1	11
44	Target binding protection mediated rolling circle amplification for sensitive detection of transcription factors. <i>Talanta</i> , 2018, 179, 331-336.	5.5	11
45	Oral nanozyme-engineered probiotics for the treatment of ulcerative colitis. <i>Journal of Materials Chemistry B</i> , 2022, 10, 4002-4011.	5.8	11
46	A Tâ€“Hg <sup>2+</sup> â€“T metallo-base pair-mediated dual amplification fluorescent strategy for the selective and sensitive detection of Hg <sup>2+</sup> . <i>RSC Advances</i> , 2016, 6, 70984-70989.	3.6	10
47	Nano-Platelets as an Oxygen Regulator for Augmenting Starvation Therapy Against Hypoxic Tumor. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 571993.	4.1	10
48	Ultrasensitive and Accurate Assay of Human Methyltransferase Activity at the Single-Cell Level Based on a Single Integrated Magnetic Microprobe. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 29554-29561.	8.0	9
49	An antioxidant system through conjugating superoxide dismutase onto metal-organic framework for cardiac repair. <i>Bioactive Materials</i> , 2022, 10, 56-67.	15.6	9
50	Protein binding-protected DNA three-way junction-mediated rolling circle amplification for sensitive and specific detection of transcription factors. <i>RSC Advances</i> , 2016, 6, 68846-68851.	3.6	8
51	Protein binding protection in combination with DNA masking for sensitive and reliable transcription factor detection. <i>Talanta</i> , 2018, 186, 293-298.	5.5	8
52	T7 exonuclease-assisted and target-triggered cascade dual recycling signal amplification strategy for the sensitive and specific detection of adenosine. <i>Talanta</i> , 2019, 197, 234-238.	5.5	8
53	Injectable Hydrogel for Cu <sup>2+</sup> Controlled Release and Potent Tumor Therapy. <i>Life</i> , 2021, 11, 391.	2.4	8
54	Label-free molecular beacons-based cascade amplification DNA machine for sensitive detection of telomerase activity. <i>Talanta</i> , 2017, 167, 645-650.	5.5	7

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55	Treatment of Acute Kidney Injury Using a Dual Enzyme Embedded Zeolitic Imidazolate Frameworks Cascade That Catalyzes In Vivo Reactive Oxygen Species Scavenging. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 800428.	4.1	7
56	Integrating DNA structure switch with branched hairpins for the detection of uracil-DNA glycosylase activity and inhibitor screening. <i>Talanta</i> , 2018, 179, 51-56.	5.5	6
57	Application of Nanomedicine in Inner Ear Diseases. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 809443.	4.1	6
58	Fok I cleavage inhibition strategy for the specific and accurate detection of transcription factors. <i>Talanta</i> , 2015, 144, 44-50.	5.5	5
59	Au nanoparticles fluorescence switch-mediated target recycling amplification strategy for sensitive nucleic acid detection. <i>RSC Advances</i> , 2016, 6, 10650-10654.	3.6	4
60	Label-free detection of nicotinamide adenine dinucleotide based on ligation-triggered exonuclease III-assisted signal amplification. <i>RSC Advances</i> , 2015, 5, 86625-86630.	3.6	1
61	Microfluidics-Assisted Fluorescence Mapping of DNA Phosphorothioation. <i>Analytical Chemistry</i> , 2022, 94, 10479-10486.	6.5	1