

# Yanli Lei

## List of Publications by Year in descending order

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29  
papers

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citations

361413

20  
h-index

526287

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docs citations

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times ranked

1102  
citing authors

#	ARTICLE	IF	CITATIONS
1	An intramolecular catalytic hairpin assembly on a DNA tetrahedron for mRNA imaging in living cells: improving reaction kinetics and signal stability. <i>Chemical Science</i> , 2020, 11, 1985-1990.	7.4	147
2	Iodide-Responsive Cu@Au Nanoparticle-Based Colorimetric Platform for Ultrasensitive Detection of Target Cancer Cells. <i>Analytical Chemistry</i> , 2015, 87, 7141-7147.	6.5	75
3	A Versatile Activatable Fluorescence Probing Platform for Cancer Cells <i>in Vitro</i> and <i>in Vivo</i> Based on Self-Assembled Aptamer/Carbon Nanotube Ensembles. <i>Analytical Chemistry</i> , 2014, 86, 9271-9277.	6.5	70
4	Hairpin-Contained i-Motif Based Fluorescent Ratiometric Probe for High-Resolution and Sensitive Response of Small pH Variations. <i>Analytical Chemistry</i> , 2018, 90, 1889-1896.	6.5	58
5	Nature-Inspired Smart DNA Nanodoctor for Activatable <i>In Vivo</i> Cancer Imaging and <i>In Situ</i> Drug Release Based on Recognition-Triggered Assembly of Split Aptamer. <i>Analytical Chemistry</i> , 2016, 88, 11699-11706.	6.5	52
6	DNA nanotriangle-scaffolded activatable aptamer probe with ultralow background and robust stability for cancer theranostics. <i>Theranostics</i> , 2018, 8, 4062-4071.	10.0	40
7	Label-free and sensitive assay for deoxyribonuclease I activity based on enzymatically-polymerized superlong poly(thymine)-hosted fluorescent copper nanoparticles. <i>Talanta</i> , 2017, 169, 57-63.	5.5	34
8	A Simple, pH-Activatable Fluorescent Aptamer Probe with Ultralow Background for Bispecific Tumor Imaging. <i>Analytical Chemistry</i> , 2019, 91, 9154-9160.	6.5	34
9	Recognition-Driven Remodeling of Dual-Split Aptamer Triggering <i>In Situ</i> Hybridization Chain Reaction for Activatable and Autonomous Identification of Cancer Cells. <i>Analytical Chemistry</i> , 2020, 92, 10839-10846.	6.5	34
10	Label-free and sensitive microRNA detection based on a target recycling amplification-integrated superlong poly(thymine)-hosted copper nanoparticle strategy. <i>Analytica Chimica Acta</i> , 2018, 1010, 54-61.	5.4	33
11	Ultra-pH-responsive split i-motif based aptamer anchoring strategy for specific activatable imaging of acidic tumor microenvironment. <i>Chemical Communications</i> , 2018, 54, 10288-10291.	4.1	33
12	Enzyme-free amplified detection of miRNA based on target-catalyzed hairpin assembly and DNA-stabilized fluorescent silver nanoclusters. <i>Analyst</i> , 2020, 145, 5194-5199.	3.5	30
13	Polyvalent and Thermosensitive DNA Nanoensembles for Cancer Cell Detection and Manipulation. <i>Analytical Chemistry</i> , 2017, 89, 6637-6644.	6.5	29
14	Cu@Au alloy nanostructures coated with aptamers: a simple, stable and highly effective platform for <i>in vivo</i> cancer theranostics. <i>Nanoscale</i> , 2016, 8, 2260-2267.	5.6	27
15	Aptamer-Functionalized Activatable DNA Tetrahedron Nanoprobe for PIWI-Interacting RNA Imaging and Regulating in Cancer Cells. <i>Analytical Chemistry</i> , 2019, 91, 15107-15113.	6.5	27
16	Temperature-responsive split aptamers coupled with polymerase chain reaction for label-free and sensitive detection of cancer cells. <i>Chemical Communications</i> , 2017, 53, 11889-11892.	4.1	26
17	Al centre-powered graphitic nanozyme with high catalytic efficiency for pH-independent chemodynamic therapy of cancer. <i>Chemical Communications</i> , 2020, 56, 6285-6288.	4.1	26
18	Oligonucleotide-templated rapid formation of fluorescent gold nanoclusters and its application for Hg <sup>2+</sup> ions sensing. <i>Talanta</i> , 2016, 161, 170-176.	5.5	22

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19	Tumor cell-specific split aptamers: target-driven and temperature-controlled self-assembly on the living cell surface. <i>Chemical Communications</i> , 2016, 52, 1482-1485.	4.1	22
20	Self-Assembled DNA Nanostructures-Based Nanocarriers Enabled Functional Nucleic Acids Delivery. <i>ACS Applied Bio Materials</i> , 2020, 3, 2779-2795.	4.6	21
21	Zn <sup>2+</sup> -Coordination-Driven RNA Assembly with Retained Integrity and Biological Functions. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 22970-22976.	13.8	21
22	Thiol-suppressed I2-etching of AuNRs: acetylcholinesterase-mediated colorimetric detection of organophosphorus pesticides. <i>Mikrochimica Acta</i> , 2020, 187, 497.	5.0	16
23	The fluorescence imaging and precise suppression of bacterial infections in chronic wounds by porphyrin-based metal-organic framework nanorods. <i>Journal of Materials Chemistry B</i> , 2021, 9, 8048-8055.	5.8	10
24	Extracellular pH-manipulated in situ reconfiguration of aptamer functionalized DNA monomer enables specifically improved affinity, detection and drug delivery. <i>Analyst</i> , 2020, 145, 2562-2569.	3.5	9
25	In Situ Modulating DNAzyme Activity and Internalization Behavior with Acid-Initiated Reconfigurable DNA Nanodevice for Activatable Theranostic. <i>Analytical Chemistry</i> , 2021, 93, 5629-5634.	6.5	7
26	A label-free cyclic amplification strategy for microRNA detection by coupling graphene oxide-controlled adsorption with superlong poly(thymine)-hosted fluorescent copper nanoparticles. <i>Talanta</i> , 2022, 243, 123323.	5.5	5
27	Zn <sup>2+</sup> -Coordination-Driven RNA Assembly with Retained Integrity and Biological Functions. <i>Angewandte Chemie</i> , 2021, 133, 23152-23158.	2.0	4
28	Bidirectional modulation of microRNA with a clamp-like triplex switch for enhanced and programmed gene therapy. <i>Chemical Communications</i> , 2021, 57, 12131-12134.	4.1	0
29	A Polymeric Nanobeacon for Monitoring the Fluctuation of Hydrogen Polysulfides During Fertilization and Embryonic Development. <i>Angewandte Chemie</i> , 0, .	2.0	0