

# Juewen Liu

## List of Publications by Year in descending order

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546  
papers

40,207  
citations

2397

98  
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3666

180  
g-index

558  
all docs

558  
docs citations

558  
times ranked

29188  
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanozymes: Definition, Activity, and Mechanisms. <i>Advanced Materials</i> , 2024, 36, .	24.3	145
2	Surface Ligand Engineering Ruthenium Nanozyme Superior to Horseradish Peroxidase for Enhanced Immunoassay. <i>Advanced Materials</i> , 2024, 36, .	24.3	56
3	Catalytic and biocatalytic degradation of microplastics. <i>Exploration</i> , 2024, 4, .	13.9	1
4	Intramolecular aptamer switches. <i>Analyst, The</i> , 2024, 149, 745-750.	3.5	0
5	Selective Hemin Binding by a Nonâ€œGâ€œquadruplex Aptamer with Higher Affinity and Better Peroxidaseâ€œlike Activity. <i>Angewandte Chemie - International Edition</i> , 2024, 63, .	14.8	4
6	Selective Hemin Binding by a Nonâ€œGâ€œquadruplex Aptamer with Higher Affinity and Better Peroxidaseâ€œlike Activity. <i>Angewandte Chemie</i> , 2024, 136, .	2.1	0
7	Aptamers for nanobodies: A nontoxic alternative to toxic ochratoxin A in immunoassays. <i>Biosensors and Bioelectronics</i> , 2024, 248, 115995.	10.4	2
8	Selection and Characterization of DNA Aptamers for Cytidine and Uridine. <i>ChemBioChem</i> , 2024, 25, .	2.8	0
9	Affinity-Guided Coevolution of Aptamers for Guanine, Xanthine, Hypoxanthine, and Adenine. <i>ACS Chemical Biology</i> , 2024, 19, 208-216.	3.6	2
10	Characterization of the Binding Properties of Ten Aptamers Using the Intrinsic Fluorescence of Oxytetracycline. <i>ChemistryOpen</i> , 2024, 13, .	2.2	2
11	Lightâ€œUp Sensing Citrate Using a Captureâ€œSelected DNA Aptamer. <i>Advanced Sensor Research</i> , 2024, 3, .	2.0	0
12	High-Density Au Anchored to Ti <sub>3</sub> C <sub>2</sub> -Based Colorimetric-Fluorescence Dual-Mode Lateral Flow Immunoassay for All-Domain-Enhanced Performance and Signal Intercalibration. <i>Analytical Chemistry</i> , 2024, 96, 5106-5114.	6.8	2
13	Characterization of nanozyme kinetics for highly sensitive detection. <i>Analyst, The</i> , 2024, 149, 2223-2226.	3.5	1
14	Metalâ€œDrug Coordination Nanoparticles and Hydrogels for Enhanced Delivery. <i>Advanced Materials</i> , 2024, 36, .	24.3	1
15	Adsorption of DNA and Aptamers to Sodium Urate Crystals and Inhibition of Crystal Growth. <i>Langmuir</i> , 2024, 40, 8730-8737.	3.7	0
16	Unexpected enrichment of DNA aptamers for Zn <sup>2+</sup> ions from an insulin selection. <i>Chemical Communications</i> , 2024, 60, 6280-6283.	4.2	0
17	Synthesis strategies of covalent organic frameworks: An overview from nonconventional heating methods and reaction media. <i>Green Energy and Environment</i> , 2023, 8, 1596-1618.	9.2	37
18	Saltâ€œToggled Capture Selection of Uric Acid Binding Aptamers. <i>ChemBioChem</i> , 2023, 24, .	2.8	5

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19	Machine Learning Directed Aptamer Search from Conserved Primary Sequences and Secondary Structures. <i>ACS Synthetic Biology</i> , 2023, 12, 186-195.	4.0	13
20	A Label-Free, Mix-and-Detect ssDNA-Binding Assay Based on Cationic Conjugated Polymers. <i>Biosensors</i> , 2023, 13, 122.	4.8	7
21	Gold Nanoparticles Synthesized Using Various Reducing Agents and the Effect of Aging for DNA Sensing. <i>Langmuir</i> , 2023, 39, 256-264.	3.7	3
22	Graphene Oxide-Assisted Aptamer-Based Fluorescent Detection of Tetracycline Antibiotics. <i>Chemistry</i> , 2023, 5, 789-799.	2.3	1
23	Simultaneous Detection of Lactate and Glucose Using DNA Aptamers in Human Blood Serum**. <i>Angewandte Chemie</i> , 2023, 135, .	2.1	1
24	Simultaneous Detection of Lactate and Glucose Using DNA Aptamers in Human Blood Serum**. <i>Angewandte Chemie - International Edition</i> , 2023, 62, .	14.8	38
25	CRISPR-Cas12a-assisted elimination of the non-specific signal from non-specific amplification in the Exponential Amplification Reaction. <i>Analytica Chimica Acta</i> , 2023, 1251, 340998.	5.5	7
26	Promotion of DNA Adsorption onto Microplastics by Transition Metal Ions. <i>Microplastics</i> , 2023, 2, 158-167.	4.3	5
27	An aptamer array for discriminating tetracycline antibiotics based on binding-enhanced intrinsic fluorescence. <i>Analyst, The</i> , 2023, 148, 1507-1513.	3.5	7
28	Pushing Adenosine and ATP SELEX for DNA Aptamers with Nanomolar Affinity. <i>Journal of the American Chemical Society</i> , 2023, 145, 7540-7547.	14.6	40
29	Surfactant-Assisted Label-Free Fluorescent Aptamer Biosensors and Binding Assays. <i>Biosensors</i> , 2023, 13, 434.	4.8	8
30	Spherical DNA for Probing Wettability of Microplastics. <i>Langmuir</i> , 2023, 39, 4959-4966.	3.7	5
31	Comparison of the peroxidase activities of iron oxide nanozyme with DNAzyme and horseradish peroxidase. <i>Nanoscale</i> , 2023, 15, 8189-8196.	5.8	4
32	Rigidity-Dependent Emission: Inspired Selection of an ATP-Specific Polyvalent Hydrogen Binding-Lighted Fluorophore for Intracellular Amplified Imaging. <i>Analytical Chemistry</i> , 2023, 95, 8318-8324.	6.8	3
33	Nanomaterials for molecular recognition: specific adsorption and regulation of nanozyme activities. <i>Materials Chemistry Frontiers</i> , 2023, 7, 3625-3640.	5.9	6
34	Cytosine-Rich DNA Binding Insulin Stronger than Guanine-Rich Aptamers: Effect of Aggregation of Insulin for Its Detection. <i>Analytical Chemistry</i> , 2023, 95, 8948-8955.	6.8	3
35	Capture-SELEX for Chloramphenicol Binding Aptamers for Labeled and Label-Free Fluorescence Sensing. , 2023, 1, 102-109.		8
36	Robust fully controlled nanometer liquid layers for high resolution liquid-cell electron microscopy. <i>Lab on A Chip</i> , 2023, 23, 3217-3225.	6.1	0

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37	Large SYBR Green I fluorescence enhancement for label-free aptamer-based detection of estradiol. <i>Advanced Agrochem</i> , 2023, 2, 258-263.	5.8	2
38	Mucin-targeting-aptamer functionalized liposomes for delivery of cyclosporin A for dry eye diseases. <i>Journal of Materials Chemistry B</i> , 2023, 11, 4684-4694.	5.9	9
39	Cross-Binding of Four Adenosine/ATP Aptamers to Caffeine, Theophylline, and Other Methylxanthines. <i>Biochemistry</i> , 2023, 62, 2280-2288.	2.6	11
40	Energy Level Engineering in Gold Nanoclusters for Exceptionally Bright NIR Electrochemiluminescence at a Low Trigger Potential. <i>Analytical Chemistry</i> , 2023, 95, 11106-11112.	6.8	9
41	Nanomaterials enabled and enhanced DNA-based biosensors. <i>Journal of Materials Chemistry B</i> , 2023, 11, 6994-7003.	5.9	13
42	Multiple thermocycles followed by LAMP with only two primers for ultrasensitive colorimetric viral RNA testing and tracking at single-base resolution. <i>Analytica Chimica Acta</i> , 2023, 1276, 341621.	5.5	1
43	Metal-Mediated DNA Adsorption on Carboxylated, Hydroxylated, and Hydrogenated Nanodiamonds. <i>Langmuir</i> , 2023, 39, 11596-11602.	3.7	2
44	Capture-SELEX for a short aptamer for label-free detection of salicylic acid. <i>Smart molecules</i> , 2023, 1, .	0.0	2
45	Light-up split aptamers: binding thermodynamics and kinetics for sensing. <i>Analyst</i> , The, 2023, 148, 5612-5618.	3.5	2
46	Cross-Binding of Adenosine by Aptamers Selected Using Theophylline. <i>ChemBioChem</i> , 2023, 24, .	2.8	0
47	Quantitative Comparison of Capture-SELEX, GO-SELEX, and Gold-SELEX for Enrichment of Aptamers. <i>Analytical Chemistry</i> , 2023, 95, 14651-14658.	6.8	9
48	Electrostatic-Mediated Binding of DNA to Lysozymes: Evaluation of Aptamer-Based Assays for Highly Positively Charged Targets. <i>Langmuir</i> , 2023, 39, 14774-14781.	3.7	1
49	Capture-SELEX of DNA Aptamers for Sulforhodamine B and Fluorescein. <i>Chemistry - A European Journal</i> , 2023, 29, .	3.9	0
50	Electrocatalytic regulation of electrochemiluminescence: Mechanisms and sensing strategies. <i>Chemical Engineering Journal</i> , 2023, 475, 146452.	13.0	3
51	Multiplexed SELEX for Sulfonamide Antibiotics Yielding a Group-Specific DNA Aptamer for Biosensors. <i>Analytical Chemistry</i> , 2023, 95, 16366-16373.	6.8	8
52	Salt-Induced Adsorption and Rupture of Liposomes on Microplastics. <i>Langmuir</i> , 2023, 39, 16395-16403.	3.7	3
53	Aptamer-functionalized liposomes for drug delivery. <i>Biomedical Journal</i> , 2023, , 100685.	3.2	1
54	Nucleobase, nucleoside, nucleotide, and oligonucleotide coordinated metal ions for sensing and biomedicine applications. <i>Nano Research</i> , 2022, 15, 71-84.	10.6	25

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55	Self-assembled manganese phthalocyanine nanoparticles with enhanced peroxidase-like activity for anti-tumor therapy. <i>Nano Research</i> , 2022, 15, 2347-2354.	10.6	23
56	Critical evaluation of aptamer binding for biosensor designs. <i>TrAC - Trends in Analytical Chemistry</i> , 2022, 146, 116480.	11.9	80
57	Adsorption of Linear and Spherical DNA Oligonucleotides onto Microplastics. <i>Langmuir</i> , 2022, 38, 1915-1922.	3.7	17
58	A Polymeric Nanobeacon for Monitoring the Fluctuation of Hydrogen Polysulfides during Fertilization and Embryonic Development. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	14.8	13
59	DNA-mediated growth of noble metal nanomaterials for biosensing applications. <i>TrAC - Trends in Analytical Chemistry</i> , 2022, 148, 116533.	11.9	32
60	Homogeneous assays for aptamer-based ethanolamine sensing: no indication of target binding. <i>Analyst</i> , 2022, 147, 1348-1356.	3.5	7
61	Selection of Aptamers for Sensing Caffeine and Discrimination of Its Three Single Demethylated Analogues. <i>Analytical Chemistry</i> , 2022, 94, 3142-3149.	6.8	43
62	Sensing Metal Ions with Phosphorothioate-Modified DNAzymes. <i>Methods in Molecular Biology</i> , 2022, 2439, 277-289.	0.0	0
63	Comparing two cortisol aptamers for label-free fluorescent and colorimetric biosensors. <i>Sensors &amp; Diagnostics</i> , 2022, 1, 541-549.	3.5	15
64	Adsorption of DNA Oligonucleotides by Self-Assembled Metalloporphyrin Nanomaterials. <i>Langmuir</i> , 2022, 38, 3553-3560.	3.7	6
65	Surface Science of Nanozymes and Defining a Nanozyme Unit. <i>Langmuir</i> , 2022, 38, 3617-3622.	3.7	54
66	Selection of DNA Aptamers for Sensing Uric Acid in Simulated Tears. <i>Analysis &amp; Sensing</i> , 2022, 2, .	2.3	23
67	DNA coated CoZn-ZIF metal-organic frameworks for fluorescent sensing guanosine triphosphate and discrimination of nucleoside triphosphates. <i>Analytica Chimica Acta</i> , 2022, 1207, 339806.	5.5	10
68	Signaling Kinetics of DNA and Aptamer Biosensors Revealing Graphene Oxide Surface Heterogeneity. <i>Journal of Analysis and Testing</i> , 2022, 6, 20-27.	5.2	14
69	Deployment of functional DNA-based biosensors for environmental water analysis. <i>TrAC - Trends in Analytical Chemistry</i> , 2022, 153, 116639.	11.9	14
70	2â€Aminopurine Fluorescence Spectroscopy for Probing a Glucose Binding Aptamer. <i>ChemBioChem</i> , 2022, 23, .	2.8	8
71	Stabilization of Gold Nanoparticles by Hairpin DNA and Implications for Label-Free Colorimetric Biosensors. <i>Langmuir</i> , 2022, 38, 5542-5549.	3.7	9
72	DNAâ€Directed Seeded Synthesis of Gold Nanoparticles without Changing DNA Sequence. <i>ChemNanoMat</i> , 2022, 8, .	2.9	3

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73	Fluidity-Guided Assembly of Au@Pt on Liposomes as a Catalase-Powered Nanomotor for Effective Cell Uptake in Cancer Cells and Plant Leaves. <i>ACS Nano</i> , 2022, 16, 9019-9030.	15.3	23
74	Capping Gold Nanoparticles to Achieve a Protein-like Surface for Loop-Mediated Isothermal Amplification Acceleration and Ultrasensitive DNA Detection. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 27666-27674.	8.3	16
75	Label-free and Dye-free Fluorescent Sensing of Tetracyclines Using a Capture-Selected DNA Aptamer. <i>Analytical Chemistry</i> , 2022, 94, 10175-10182.	6.8	49
76	Binding Studies of Cationic Conjugated Polymers and DNA for Label-Free Fluorescent Biosensors. <i>ACS Applied Polymer Materials</i> , 2022, 4, 6211-6218.	4.5	12
77	Reversible and Irreversible H <sub>4</sub> AuCl <sub>4</sub> Binding to DNA for Seeded Gold Nanoparticle Growth and Opposite DNA and Aptamers Colorimetric Sensing Outcomes. <i>Particle and Particle Systems Characterization</i> , 2022, 39, .	2.5	2
78	A DNA Aptamer for Theophylline with Ultrahigh Selectivity Reminiscent of the Classic RNA Aptamer. <i>ACS Chemical Biology</i> , 2022, 17, 2121-2129.	3.6	23
79	Protection of DNA by metal ions at 95 Å°C: from lower critical solution temperature (LCST) behavior to coordination-driven self-assembly. <i>Nanoscale</i> , 2022, 14, 14613-14622.	5.8	6
80	Probing metal-dependent G-quadruplexes using the intrinsic fluorescence of DNA. <i>Chemical Communications</i> , 2022, 58, 10225-10228.	4.2	11
81	Metal and pH-Dependent Aptamer Binding of Tetracyclines Enabling Highly Sensitive Fluorescence Sensing. <i>Biosensors</i> , 2022, 12, 717.	4.8	11
82	Removal and Degradation of Microplastics Using the Magnetic and Nanozyme Activities of Bare Iron Oxide Nanoaggregates. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	14.8	60
83	Removal and Degradation of Microplastics Using the Magnetic and Nanozyme Activities of Bare Iron Oxide Nanoaggregates. <i>Angewandte Chemie</i> , 2022, 134, .	2.1	1
84	General Label-Free Fluorescent Aptamer Binding Assay Using Cationic Conjugated Polymers. <i>Analytical Chemistry</i> , 2022, 94, 15456-15463.	6.8	16
85	Interactions between Caffeine, Theophylline and Derivatives with Gold Nanoparticles and Implications for Aptamer-Based Label-Free Colorimetric Detection. <i>ChemPlusChem</i> , 2022, 87, .	3.1	1
86	Using the Intrinsic Fluorescence of DNA to Characterize Aptamer Binding. <i>Molecules</i> , 2022, 27, 7809.	3.9	5
87	Capture-SELEX of DNA Aptamers for Estradiol Specifically and Estrogenic Compounds Collectively. <i>Environmental Science &amp; Technology</i> , 2022, 56, 17702-17711.	10.5	26
88	Degradable multifunctional gold-liposomes as an all-in-one theranostic platform for image-guided radiotherapy. <i>International Journal of Pharmaceutics</i> , 2022, 629, 122413.	5.4	2
89	Controlling dopamine binding by the new aptamer for a FRET-based biosensor. <i>Biosensors and Bioelectronics</i> , 2021, 173, 112798.	10.4	41
90	Zn <sup>2+</sup> -Dependent DNAzymes: From Solution Chemistry to Analytical, Materials and Therapeutic Applications. <i>ChemBioChem</i> , 2021, 22, 779-789.	2.8	35

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91	Biosensors and sensors for dopamine detection. <i>View</i> , 2021, 2, 20200102.	7.2	165
92	Phosphorothioate nucleic acids for probing metal binding, biosensing and nanotechnology. <i>Coordination Chemistry Reviews</i> , 2021, 428, 213624.	19.6	25
93	DNA Triplex and Quadruplex Assembled Nanosensors for Correlating $K^{+}$ and pH in Lysosomes. <i>Angewandte Chemie</i> , 2021, 133, 5513-5518.	2.1	49
94	Label-Free Colorimetric Biosensors Based on Aptamers and Gold Nanoparticles: A Critical Review. <i>Analysis &amp; Sensing</i> , 2021, 1, 30-43.	2.3	47
95	DNA Triplex and Quadruplex Assembled Nanosensors for Correlating $K^{+}$ and pH in Lysosomes. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 5453-5458.	14.8	65
96	Effect of proteins on the oxidase-like activity of $CeO_2$ nanozymes for immunoassays. <i>Analyst</i> , 2021, 146, 864-873.	3.5	33
97	Nucleic Acids Analysis. <i>Science China Chemistry</i> , 2021, 64, 171-203.	8.8	97
98	Nanozyme's catching up: activity, specificity, reaction conditions and reaction types. <i>Materials Horizons</i> , 2021, 8, 336-350.	12.8	87
99	A gold nanoparticle-based immunochromatographic assay for simultaneous detection of multiplex sildenafil adulterants in health food by only one antibody. <i>Analytica Chimica Acta</i> , 2021, 1141, 1-12.	5.5	26
100	Preparing Selective Nanozymes by Molecular Imprinting. <i>Methods in Molecular Biology</i> , 2021, 2359, 223-232.	0.0	2
101	Selection of a self-cleaving ribozyme activated in a chemically and thermally denaturing environment. <i>Chemical Communications</i> , 2021, 57, 7641-7644.	4.2	3
102	SYBR Green I promotes melamine binding to poly-thymine DNA and FRET-based ratiometric sensing. <i>Analyst</i> , 2021, 146, 1642-1649.	3.5	12
103	Porphyrimetalation catalyzed by DNAzymes and nanozymes. <i>Inorganic Chemistry Frontiers</i> , 2021, 8, 2183-2199.	6.0	18
104	Nitrogen-doped nanoporous graphene induced by a multiple confinement strategy for membrane separation of rare earth. <i>IScience</i> , 2021, 24, 101920.	4.1	30
105	Targeted liposomal drug delivery: a nanoscience and biophysical perspective. <i>Nanoscale Horizons</i> , 2021, 6, 78-94.	7.7	160
106	Hg(II) Adsorption on Gold Nanoparticles Dominates DNA-Based Label-Free Colorimetric Sensing. <i>ACS Applied Nano Materials</i> , 2021, 4, 1377-1384.	5.2	27
107	Review of recent progress on DNA-based biosensors for $Pb^{2+}$ detection. <i>Analytica Chimica Acta</i> , 2021, 1147, 124-143.	5.5	63
108	$CeO_2$ Nanoparticle Transformation to Nanorods and Nanoflowers in Acids with Boosted Oxidative Catalytic Activity. <i>ACS Applied Nano Materials</i> , 2021, 4, 2098-2107.	5.2	8

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109	Spherical Nucleic Acid Mediated Functionalization of Polydopamine-Coated Nanoparticles for Selective DNA Extraction and Detection. <i>Bioconjugate Chemistry</i> , 2021, 32, 801-809.	3.8	24
110	Sensing ATP: Zeolitic Imidazolate Framework-67 Is Superior to Aptamers for Target Recognition. <i>Analytical Chemistry</i> , 2021, 93, 7707-7713.	6.8	38
111	Freezing-Assisted Conjugation of Unmodified Diblock DNA to Hydrogel Nanoparticles and Monoliths for DNA and Hg <sup>2+</sup> Sensing. <i>Angewandte Chemie</i> , 2021, 133, 13095-13101.	2.1	2
112	The Most Active Oxidase-Mimicking Mn <sub>2</sub> O <sub>3</sub> Nanozyme for Biosensor Signal Generation. <i>Chemistry - A European Journal</i> , 2021, 27, 9597-9604.	3.9	54
113	An Activatable Nanoenzyme Reactor for Coenhanced Chemodynamic and Starving Therapy Against Tumor Hypoxia and Antioxidant Defense System. <i>CCS Chemistry</i> , 2021, 3, 1217-1230.	8.6	30
114	Freezing-Assisted Conjugation of Unmodified Diblock DNA to Hydrogel Nanoparticles and Monoliths for DNA and Hg <sup>2+</sup> Sensing. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 12985-12991.	14.8	22
115	Enhancing the Sensitivity of DNA and Aptamer Probes in the Dextran/PEG Aqueous Two-Phase System. <i>Analytical Chemistry</i> , 2021, 93, 8577-8584.	6.8	25
116	Self-photo-oxidation for extending visible light absorption of carbon dots and oxidase-like activity. <i>Carbon</i> , 2021, 182, 537-544.	10.7	29
117	DNAzyme-Based Biosensors for Metal Ion Detection. , 2021, , 103-124.		0
118	Probing Metal-Dependent Phosphate Binding for the Catalysis of the 17E DNAzyme. <i>Biochemistry</i> , 2021, 60, 1909-1918.	2.6	11
119	Metal-Doped Polydopamine Nanoparticles for Highly Robust and Efficient DNA Adsorption and Sensing. <i>Langmuir</i> , 2021, 37, 8953-8960.	3.7	17
120	Covalent Organic Framework Sponges for Efficient Solar Desalination and Selective Uranium Recovery. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 31561-31568.	8.3	53
121	Nanozyme for tumor therapy: Surface modification matters. <i>Exploration</i> , 2021, 1, 75-89.	13.9	277
122	Packing DNA on gold nanoparticles by dehydration. <i>Matter</i> , 2021, 4, 2585-2586.	10.2	2
123	<sc>DNA</sc>zymes as Biosensors. , 2021, , 685-720.		0
124	Highly Conductive Ligand-Free Cs <sub>2</sub> PtBr <sub>6</sub> Perovskite Nanocrystals with a Narrow Bandgap and Efficient Photoelectrochemical Performance. <i>Small</i> , 2021, 17, e2102149.	11.2	18
125	Selective Heavy Atom Effect Forming Photosensitizing Hot Spots in Double-Stranded DNA Matrix. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 9205-9212.	4.9	8
126	DNA-encoded bimetallic Au-Pt dumbbell nanozyme for high-performance detection and eradication of Escherichia coli O157:H7. <i>Biosensors and Bioelectronics</i> , 2021, 187, 113327.	10.4	74



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127	A Glucose-Powered Activatable Nanozyme Breaking pH and $H_2O_2$ Limitations for Treating Diabetic Infections. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 23534-23539.	14.8	115
128	Factors and methods to modulate DNA hybridization kinetics. <i>Biotechnology Journal</i> , 2021, 16, e2000338.	3.7	19
129	$Zn^{2+}$ -Coordination-Driven RNA Assembly with Retained Integrity and Biological Functions. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 22970-22976.	14.8	26
130	Interactions of the Cocaine and Quinine Aptamer with Gold Nanoparticles under the Dilute Biosensor and Concentrated NMR Conditions. <i>Langmuir</i> , 2021, 37, 11939-11947.	3.7	5
131	$Zn^{2+}$ -Coordination-Driven RNA Assembly with Retained Integrity and Biological Functions. <i>Angewandte Chemie</i> , 2021, 133, 23152-23158.	2.1	6
132	A Glucose-Powered Activatable Nanozyme Breaking pH and $H_2O_2$ Limitations for Treating Diabetic Infections. <i>Angewandte Chemie</i> , 2021, 133, 23726-23731.	2.1	9
133	Trace-Water-Induced Competitive Coordination Synthesis and Functionalization of Porphyrinic Metal-Organic Framework Nanoparticles for Treatment of Hypoxic Tumors. <i>ACS Applied Bio Materials</i> , 2021, 4, 7322-7331.	4.8	13
134	Nanozymes: A clear definition with fuzzy edges. <i>Nano Today</i> , 2021, 40, 101269.	12.3	372
135	Critical review of bio/nano sensors for arsenic detection. <i>Trends in Environmental Analytical Chemistry</i> , 2021, 32, e00143.	10.5	23
136	Editorial preface of the special issue on "the progress and perspectives of biosensing research in North America". <i>Biosensors and Bioelectronics</i> , 2021, 194, 113578.	10.4	0
137	Polyvalent Metal Ion Promoted Adsorption of DNA Oligonucleotides by Montmorillonite. <i>Langmuir</i> , 2021, 37, 1037-1044.	3.7	12
138	In vitro selection and application of lanthanide-dependent DNAzymes. <i>Methods in Enzymology</i> , 2021, 651, 373-396.	1.7	4
139	Nanomaterial and Aptamer-Based Sensing: Target Binding versus Target Adsorption Illustrated by the Detection of Adenosine and ATP on Metal Oxides and Graphene Oxide. <i>Analytical Chemistry</i> , 2021, 93, 3018-3025.	6.8	36
140	Poly-Cytosine Deoxyribonucleic Acid Strongly Anchoring on Graphene Oxide Due to Flexible Backbone Phosphate Interactions. <i>Advanced Materials Interfaces</i> , 2021, 8, 2001798.	4.1	10
141	Frontispiz: A Glucose-Powered Activatable Nanozyme Breaking pH and $H_2O_2$ Limitations for Treating Diabetic Infections. <i>Angewandte Chemie</i> , 2021, 133, .	2.1	0
142	In Situ Fabrication of Nanoceria with Oxidase-like Activity at Neutral pH: Mechanism and Boosted Bio-Nanozyme Cascades. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 50236-50245.	8.3	25
143	Arousing Electrochemiluminescence Out of Non-Electroluminescent Monomers within Covalent Organic Frameworks. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 47921-47931.	8.3	28
144	Nanozyme Catalytic Turnover and Self-Limited Reactions. <i>ACS Nano</i> , 2021, 15, 15645-15655.	15.3	110

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145	Promotion and inhibition of oxidase-like nanoceria and peroxidase-like iron oxide by arsenate and arsenite. <i>Inorganic Chemistry Communication</i> , 2021, 134, 108979.	4.0	7
146	Modulation of DNAzyme Activity via Butanol Dehydration. <i>Chemistry - an Asian Journal</i> , 2021, 16, 4062-4066.	3.5	1
147	A novel method for fabrication of paper-based microfluidic devices using BSA-ink. <i>International Journal of Biological Macromolecules</i> , 2021, 193, 1617-1622.	7.7	9
148	A sensor array based on DNA-wrapped bimetallic zeolitic imidazolate frameworks for detection of ATP hydrolysis products. <i>Nanoscale</i> , 2021, 14, 26-34.	5.8	10
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