

# Yun Xiang

## List of Publications by Citations

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115  
papers

3,231  
citations

35  
h-index

53  
g-index

118  
ext. papers

3,758  
ext. citations

7.5  
avg, IF

5.82  
L-index

#	Paper	IF	Citations
115	In situ hybridization chain reaction amplification for universal and highly sensitive electrochemiluminescent detection of DNA. <i>Analytical Chemistry</i> , <b>2012</b> , 84, 7750-5	7.8	257
114	Signal-off Electrochemiluminescence Biosensor Based on Phi29 DNA Polymerase Mediated Strand Displacement Amplification for MicroRNA Detection. <i>Analytical Chemistry</i> , <b>2015</b> , 87, 6328-34	7.8	127
113	In situ DNA-templated synthesis of silver nanoclusters for ultrasensitive and label-free electrochemical detection of microRNA. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 1188-93	9.5	117
112	Proximity Binding and Metal Ion-Dependent DNAzyme Cyclic Amplification-Integrated Aptasensor for Label-Free and Sensitive Electrochemical Detection of Thrombin. <i>Analytical Chemistry</i> , <b>2016</b> , 88, 8218-23	7.8	105
111	DNA-fueled molecular machine enables enzyme-free target recycling amplification for electronic detection of microRNA from cancer cells with highly minimized background noise. <i>Analytical Chemistry</i> , <b>2015</b> , 87, 8578-83	7.8	92
110	Aptamer/Protein Proximity Binding-Triggered Molecular Machine for Amplified Electrochemical Sensing of Thrombin. <i>Analytical Chemistry</i> , <b>2017</b> , 89, 5138-5143	7.8	89
109	A target responsive aptamer machine for label-free and sensitive non-enzymatic recycling amplification detection of ATP. <i>Chemical Communications</i> , <b>2016</b> , 52, 3673-6	5.8	85
108	Trimetallic Hybrid Nanoflower-Decorated MoS Nanosheet Sensor for Direct in Situ Monitoring of HO Secreted from Live Cancer Cells. <i>Analytical Chemistry</i> , <b>2018</b> , 90, 5945-5950	7.8	81
107	Biodegradable MnO Nanosheet-Mediated Signal Amplification in Living Cells Enables Sensitive Detection of Down-Regulated Intracellular MicroRNA. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 5717-5724	9.5	78
106	A DNA-Fueled and Catalytic Molecule Machine Lights Up Trace Under-Expressed MicroRNAs in Living Cells. <i>Analytical Chemistry</i> , <b>2017</b> , 89, 9934-9940	7.8	73
105	Target-triggered quadratic amplification for label-free and sensitive visual detection of cytokines based on hairpin aptamer DNAzyme probes. <i>Analytical Chemistry</i> , <b>2014</b> , 86, 953-8	7.8	70
104	Multicolor-Encoded Reconfigurable DNA Nanostructures Enable Multiplexed Sensing of Intracellular MicroRNAs in Living Cells. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 13303-8	9.5	69
103	Dual-color encoded DNAzyme nanostructures for multiplexed detection of intracellular metal ions in living cells. <i>Biosensors and Bioelectronics</i> , <b>2016</b> , 85, 573-579	11.8	66
102	Metallo-Toehold-Activated Catalytic Hairpin Assembly Formation of Three-Way DNAzyme Junctions for Amplified Fluorescent Detection of Hg. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 5733-5738	9.5	60
101	Personal glucose sensor for point-of-care early cancer diagnosis. <i>Chemical Communications</i> , <b>2012</b> , 48, 6909-11	5.8	58
100	Cascaded signal amplification via target-triggered formation of aptazyme for sensitive electrochemical detection of ATP. <i>Biosensors and Bioelectronics</i> , <b>2018</b> , 102, 296-300	11.8	58
99	Sensitive detection of copper(II) by a commercial glucometer using click chemistry. <i>Biosensors and Bioelectronics</i> , <b>2013</b> , 45, 219-22	11.8	57

98	Coupling hybridization chain reaction with catalytic hairpin assembly enables non-enzymatic and sensitive fluorescent detection of microRNA cancer biomarkers. <i>Biosensors and Bioelectronics</i> , <b>2016</b> , 77, 416-20	11.8	56
97	MicroRNA-triggered, cascaded and catalytic self-assembly of functional "DNAzyme ferris wheel" nanostructures for highly sensitive colorimetric detection of cancer cells. <i>Nanoscale</i> , <b>2015</b> , 7, 9055-61	7.7	54
96	Aptamer-Functionalized and Gold Nanoparticle Array-Decorated Magnetic Graphene Nanosheets Enable Multiplexed and Sensitive Electrochemical Detection of Rare Circulating Tumor Cells in Whole Blood. <i>Analytical Chemistry</i> , <b>2019</b> , 91, 10792-10799	7.8	53
95	Quantum dot layer-by-layer assemblies as signal amplification labels for ultrasensitive electronic detection of uropathogens. <i>Analytical Chemistry</i> , <b>2011</b> , 83, 4302-6	7.8	53
94	Toehold strand displacement-driven assembly of G-quadruplex DNA for enzyme-free and non-label sensitive fluorescent detection of thrombin. <i>Biosensors and Bioelectronics</i> , <b>2015</b> , 64, 306-10	11.8	52
93	Aptamer pseudoknot-functionalized electronic sensor for reagentless and single-step detection of immunoglobulin E in human serum. <i>Analytical Chemistry</i> , <b>2015</b> , 87, 3094-8	7.8	52
92	Dual amplified and ultrasensitive electrochemical detection of mutant DNA Biomarkers based on nuclease-assisted target recycling and rolling circle amplifications. <i>Biosensors and Bioelectronics</i> , <b>2014</b> , 55, 266-71	11.8	51
91	A reagentless and disposable electronic genosensor: from multiplexed analysis to molecular logic gates. <i>Chemical Communications</i> , <b>2011</b> , 47, 2080-2	5.8	49
90	Target-triggered catalytic hairpin assembly and TdT-catalyzed DNA polymerization for amplified electronic detection of thrombin in human serums. <i>Biosensors and Bioelectronics</i> , <b>2017</b> , 87, 495-500	11.8	48
89	A microRNA-activated molecular machine for non-enzymatic target recycling amplification detection of microRNA from cancer cells. <i>Chemical Communications</i> , <b>2015</b> , 51, 11084-7	5.8	48
88	Electrochemiluminescence recovery-based aptasensor for sensitive Ochratoxin A detection via exonuclease-catalyzed target recycling amplification. <i>Talanta</i> , <b>2014</b> , 125, 45-50	6.2	46
87	Aptamer-based highly sensitive electrochemiluminescent detection of thrombin via nanoparticle layer-by-layer assembled amplification labels. <i>Chemical Communications</i> , <b>2011</b> , 47, 7758-60	5.8	46
86	Quadratic recycling amplification for label-free and sensitive visual detection of HIV DNA. <i>Biosensors and Bioelectronics</i> , <b>2014</b> , 55, 220-4	11.8	43
85	Ultrasensitive aptamer-based protein detection via a dual amplified biocatalytic strategy. <i>Biosensors and Bioelectronics</i> , <b>2010</b> , 25, 2539-42	11.8	40
84	Reverse-micelle synthesis of electrochemically encoded quantum dot barcodes: application to electronic coding of a cancer marker. <i>Analytical Chemistry</i> , <b>2010</b> , 82, 1138-41	7.8	39
83	Bio-cleavable nanoprobe for target-triggered catalytic hairpin assembly amplification detection of microRNAs in live cancer cells. <i>Nanoscale</i> , <b>2018</b> , 10, 17623-17628	7.7	38
82	An aptamer-based signal-on and multiplexed sensing platform for one-spot simultaneous electronic detection of proteins and small molecules. <i>Chemical Communications</i> , <b>2011</b> , 47, 4733-5	5.8	36
81	Mismatched catalytic hairpin assembly and ratiometric strategy for highly sensitive electrochemical detection of microRNA from tumor cells. <i>Sensors and Actuators B: Chemical</i> , <b>2019</b> , 286, 191-197	8.5	35

80	Cascaded strand displacement for non-enzymatic target recycling amplification and label-free electronic detection of microRNA from tumor cells. <i>Analytica Chimica Acta</i> , <b>2016</b> , 916, 1-7	6.6	32
79	-Generated Multivalent Aptamer Network for Efficient Capture and Sensitive Electrochemical Detection of Circulating Tumor Cells in Whole Blood. <i>Analytical Chemistry</i> , <b>2020</b> , 92, 7893-7899	7.8	31
78	Metal-ion dependent DNAzyme recycling amplification for sensitive and homogeneous immuno-proximity binding assay of $\beta$ -fetoprotein biomarker. <i>Biosensors and Bioelectronics</i> , <b>2017</b> , 92, 624-629	11.8	31
77	A catalytic and dual recycling amplification ATP sensor based on target-driven allosteric structure switching of aptamer beacons. <i>Biosensors and Bioelectronics</i> , <b>2018</b> , 105, 1-5	11.8	30
76	Efficient and Exponential Rolling Circle Amplification Molecular Network Leads to Ultrasensitive and Label-Free Detection of MicroRNA. <i>Analytical Chemistry</i> , <b>2020</b> , 92, 2074-2079	7.8	30
75	Programmable DNA Ring/Hairpin-Constrained Structure Enables Ligation-Free Rolling Circle Amplification for Imaging mRNAs in Single Cells. <i>Analytical Chemistry</i> , <b>2019</b> , 91, 3628-3635	7.8	29
74	Target-programmed and autonomous proximity binding aptasensor for amplified electronic detection of thrombin. <i>Biosensors and Bioelectronics</i> , <b>2018</b> , 117, 743-747	11.8	29
73	Coupling hybridization chain reaction with DNAzyme recycling for enzyme-free and dual amplified sensitive fluorescent detection of methyltransferase activity. <i>Analytica Chimica Acta</i> , <b>2017</b> , 949, 83-88	6.6	26
72	Target recycling amplification for label-free and sensitive colorimetric detection of adenosine triphosphate based on un-modified aptamers and DNAzymes. <i>Analytica Chimica Acta</i> , <b>2014</b> , 828, 80-4	6.6	26
71	An efficient, label-free and sensitive electrochemical microRNA sensor based on target-initiated catalytic hairpin assembly of trivalent DNAzyme junctions. <i>Sensors and Actuators B: Chemical</i> , <b>2020</b> , 304, 127068	8.5	23
70	DNA-Templated In Situ Synthesis of Highly Dispersed AuNPs on Nitrogen-Doped Graphene for Real-Time Electrochemical Monitoring of Nitric Oxide Released from Live Cancer Cells. <i>Analytical Chemistry</i> , <b>2019</b> , 91, 2273-2278	7.8	23
69	Aptamer proximity recognition-dependent strand translocation for enzyme-free and amplified fluorescent detection of thrombin via catalytic hairpin assembly. <i>Analytica Chimica Acta</i> , <b>2018</b> , 1038, 126-131	6.6	21
68	The Ru complex and hollow gold nanoparticles branched-hydrogel as signal probe for construction of electrochemiluminescent aptasensor. <i>Biosensors and Bioelectronics</i> , <b>2016</b> , 77, 7-12	11.8	19
67	Click chemistry-mediated catalytic hairpin self-assembly for amplified and sensitive fluorescence detection of Cu(2+) in human serum. <i>Chemical Communications</i> , <b>2015</b> , 51, 12637-40	5.8	17
66	A novel ECL biosensor for $\beta$ -lactamase detection: Using RU(II) linked-ampicillin complex as the recognition element. <i>Biosensors and Bioelectronics</i> , <b>2015</b> , 70, 221-5	11.8	16
65	A metal ion-triggered and DNA-fueled molecular machine for amplified and sensitive fluorescent detection of Hg <sup>2+</sup> . <i>Sensors and Actuators B: Chemical</i> , <b>2018</b> , 259, 730-735	8.5	16
64	DNA-mediated strand displacement facilitates sensitive electronic detection of antibodies in human serums. <i>Biosensors and Bioelectronics</i> , <b>2016</b> , 83, 156-61	11.8	16
63	Hairpin/DNA ring ternary probes for highly sensitive detection and selective discrimination of microRNA among family members. <i>Analytica Chimica Acta</i> , <b>2019</b> , 1076, 138-143	6.6	14

62	Target-induced structure switching of aptamers facilitates strand displacement for DNAzyme recycling amplification detection of thrombin in human serum. <i>Analyst, The</i> , <b>2019</b> , 144, 2430-2435	5	14
61	Intercalation of quantum dots as the new signal acquisition and amplification platform for sensitive electrochemiluminescent detection of microRNA. <i>Analytica Chimica Acta</i> , <b>2015</b> , 891, 130-5	6.6	14
60	Cross-triggered and cascaded recycling amplification for ultrasensitive electrochemical sensing of the mutant human p53 gene. <i>Chemical Communications</i> , <b>2016</b> , 52, 8707-10	5.8	14
59	Target-triggered activation of rolling circle amplification for label-free and sensitive fluorescent uracil-DNA glycosylase activity detection and inhibition. <i>Talanta</i> , <b>2019</b> , 204, 812-816	6.2	14
58	Target-induced structure switching of DNA for label-free and ultrasensitive electrochemiluminescent detection of proteins. <i>Chemical Communications</i> , <b>2014</b> , 50, 3211-3	5.8	14
57	A reagentless, disposable and multiplexed electronic biosensing platform: application to molecular logic gates. <i>Biosensors and Bioelectronics</i> , <b>2011</b> , 26, 3077-80	11.8	14
56	RNA-regulated molecular tweezers for sensitive fluorescent detection of microRNA from cancer cells. <i>Biosensors and Bioelectronics</i> , <b>2015</b> , 71, 98-102	11.8	13
55	MicroRNA-induced cascaded and catalytic self-assembly of DNA nanostructures for enzyme-free and sensitive fluorescence detection of microRNA from tumor cells. <i>Chemical Communications</i> , <b>2016</b> , 52, 2501-4	5.8	13
54	Label-free and homogeneous aptamer proximity binding assay for fluorescent detection of protein biomarkers in human serum. <i>Talanta</i> , <b>2015</b> , 141, 230-4	6.2	12
53	Target-catalyzed assembly formation of metal-ion dependent DNAzymes for non-enzymatic and label-free amplified ATP detection. <i>Sensors and Actuators B: Chemical</i> , <b>2018</b> , 273, 70-75	8.5	12
52	Electrochemical sensor based on Prussian blue nanorods and gold nanochains for the determination of H <sub>2</sub> O <sub>2</sub> . <i>European Food Research and Technology</i> , <b>2011</b> , 232, 87-95	3.4	12
51	A target-responsive autonomous aptamer machine biosensor for enzyme-free and sensitive detection of protein biomarkers. <i>Journal of Materials Chemistry B</i> , <b>2018</b> , 6, 4146-4150	7.3	12
50	Netlike hybridization chain reaction assembly of DNA nanostructures enables exceptional signal amplification for sensing trace cytokines. <i>Nanoscale</i> , <b>2019</b> , 11, 16362-16367	7.7	11
49	Highly specific and sensitive point-of-care detection of rare circulating tumor cells in whole blood via a dual recognition strategy. <i>Biosensors and Bioelectronics</i> , <b>2019</b> , 143, 111604	11.8	10
48	RNA responsive and catalytic self-assembly of DNA nanostructures for highly sensitive fluorescence detection of microRNA from cancer cells. <i>Chemical Communications</i> , <b>2015</b> , 51, 16494-7	5.8	10
47	Commercial glucometer as signal transducer for simple evaluation of DNA methyltransferase activity and inhibitors screening. <i>Analytica Chimica Acta</i> , <b>2018</b> , 1001, 18-23	6.6	10
46	Terminal protection of small molecule-linked ssDNA for label-free and sensitive fluorescent detection of folate receptor. <i>Talanta</i> , <b>2014</b> , 128, 237-41	6.2	10
45	Gold nanolabels and enzymatic recycling dual amplification-based electrochemical immunosensor for the highly sensitive detection of carcinoembryonic antigen. <i>Science China Chemistry</i> , <b>2011</b> , 54, 1770-1776	7.9	10

44	Lighting-up RNA aptamer transcription synchronization amplification for ultrasensitive and label-free imaging of microRNA in single cells. <i>Analytica Chimica Acta</i> , <b>2020</b> , 1102, 84-90	6.6	10
43	3D DNA Scaffold-Assisted Dual Intramolecular Amplifications for Multiplexed and Sensitive MicroRNA Imaging in Living Cells. <i>Analytical Chemistry</i> , <b>2021</b> , 93, 9912-9919	7.8	10
42	Silver ion-stabilized DNA triplexes for completely enzyme-free and sensitive fluorescence detection of transcription factors via catalytic hairpin assembly amplification. <i>Journal of Materials Chemistry B</i> , <b>2019</b> , 7, 763-767	7.3	9
41	Target-triggered programming of cascaded catalytic hairpin assemblies for enzyme-free and highly sensitive sensing of cytokines. <i>Sensors and Actuators B: Chemical</i> , <b>2019</b> , 298, 126929	8.5	9
40	Target-induced autonomous synthesis of G-quadruplex sequences for label-free and amplified fluorescent aptasensing of mucin 1. <i>Sensors and Actuators B: Chemical</i> , <b>2020</b> , 304, 127351	8.5	9
39	Electrode immobilization-free and sensitive electrochemical sensing of thrombin via magnetic nanoparticle-decorated DNA polymers. <i>Sensors and Actuators B: Chemical</i> , <b>2021</b> , 331, 129395	8.5	9
38	Programming cascaded recycling amplifications for highly sensitive and label-free electrochemical sensing of transcription factors in tumor cells. <i>Biosensors and Bioelectronics</i> , <b>2019</b> , 142, 111574	11.8	8
37	A noncovalent Ru(phen) <sub>3</sub> <sup>2+</sup> @CNTs nanocomposite and its application as a solid-state electrochemiluminescence signal probe. <i>RSC Advances</i> , <b>2014</b> , 4, 1955-1960	3.7	8
36	Polymerization nicking-triggered LAMP cascades enable exceptional signal amplification for aptamer-based label-free detection of trace proteins in human serum. <i>Analytica Chimica Acta</i> , <b>2020</b> , 1098, 164-169	6.6	8
35	Terminal protection of small molecule-linked ssDNA for label-free and highly sensitive colorimetric detection of folate receptor biomarkers. <i>RSC Advances</i> , <b>2015</b> , 5, 6100-6105	3.7	7
34	Click chemistry-mediated cyclic cleavage of metal ion-dependent DNAzymes for amplified and colorimetric detection of human serum copper (II). <i>Analytical and Bioanalytical Chemistry</i> , <b>2017</b> , 409, 6421-6427	4.4	7
33	Graphene nanosensor for highly sensitive fluorescence turn-on detection of Hg <sup>2+</sup> based on target recycling amplification. <i>RSC Advances</i> , <b>2014</b> , 4, 39082	3.7	6
32	Coupling strand extension/excision amplification with target recycling enables highly sensitive and aptamer-based label-free sensing of ATP in human serum. <i>Analyst, The</i> , <b>2020</b> , 145, 434-439	5	6
31	Targeted Delivery of DNA Framework-Encapsulated Native Therapeutic Protein into Cancer Cells. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 54489-54496	9.5	6
30	Convenient and highly sensitive electrochemical biosensor for monitoring acid phosphatase activity. <i>Sensors and Actuators B: Chemical</i> , <b>2021</b> , 332, 129483	8.5	6
29	High-Fidelity and Simultaneous Sensing of Endogenous Mutant and Wild p53 Proteins for Precise Cancer Diagnosis and Drug Screening. <i>Analytical Chemistry</i> , <b>2021</b> , 93, 8084-8090	7.8	6
28	Steric hindrance inhibition of strand displacement for homogeneous and signal-on fluorescence detection of human serum antibodies. <i>Chemical Communications</i> , <b>2016</b> , 52, 12586-12589	5.8	6
27	In situ formation of G-quadruplex/hemin nanowires for sensitive and label-free electrochemical sensing of acid phosphatase. <i>Sensors and Actuators B: Chemical</i> , <b>2021</b> , 330, 129272	8.5	6

26	Unmodified and positively charged gold nanoparticles for sensitive colorimetric detection of folate receptor via terminal protection of small molecule-linked ssDNA. <i>Science China Chemistry</i> , <b>2016</b> , 59, 770-775	7.9	5
25	A multi-recycling amplification-based sensor for label-free and highly sensitive detection of telomerase from cancer cells. <i>Analytica Chimica Acta</i> , <b>2019</b> , 1086, 116-121	6.6	5
24	A ternary probe for target-triggered autonomous multi-branch rolling circle amplification for highly sensitive colorimetric sensing of platelet-derived growth factor BB. <i>Sensors and Actuators B: Chemical</i> , <b>2020</b> , 305, 127405	8.5	5
23	Cascaded multiple recycling amplifications for aptamer-based ultrasensitive fluorescence detection of protein biomarkers. <i>Analyst, The</i> , <b>2019</b> , 144, 6635-6640	5	5
22	Label-Free and Amplified Electrochemical Detection of Single Nucleotide Polymorphism in Folded Nucleic Acid Secondary Structures. <i>Journal of the Electrochemical Society</i> , <b>2018</b> , 165, B880-B884	3.9	5
21	Melamine-Mediated Base Mismatch for Label-Free and Amplified Sensitive Fluorescent Detection of Melamine in Milk. <i>Food Analytical Methods</i> , <b>2019</b> , 12, 1255-1261	3.4	4
20	Copper-Free Click Chemistry-Mediated Cyclic Ligation Amplification for Highly Sensitive and Non-Label Electrochemical Detection of Gene Mutation. <i>Journal of the Electrochemical Society</i> , <b>2020</b> , 167, 027535	3.9	4
19	Target-mediated base-mismatch initiation of a non-enzymatic signal amplification network for highly sensitive sensing of Hg. <i>Analyst, The</i> , <b>2020</b> , 145, 507-512	5	4
18	Targeted and direct intracellular delivery of native DNazymes enables highly specific gene silencing. <i>Chemical Science</i> , <b>2020</b> , 11, 8966-8972	9.4	4
17	Amplified probing of protein/DNA interactions for sensitive fluorescence detection of transcription factors. <i>Journal of Materials Chemistry B</i> , <b>2018</b> , 6, 6002-6007	7.3	4
16	Electrochemical screening of single nucleotide polymorphisms with significantly enhanced discrimination factor by an amplified ratiometric sensor. <i>Analytica Chimica Acta</i> , <b>2018</b> , 1038, 166-172	6.6	3
15	Target-dependent dual strand extension recycling amplifications for non-label and ultrasensitive sensing of serum microRNA. <i>Talanta</i> , <b>2020</b> , 210, 120651	6.2	3
14	Aptamer-based competitive electrochemical assay of small biomolecules. <i>Science China Chemistry</i> , <b>2011</b> , 54, 822-826	7.9	2
13	Sustainable and cascaded catalytic hairpin assembly for amplified sensing of microRNA biomarkers in living cells. <i>Biosensors and Bioelectronics</i> , <b>2022</b> , 197, 113809	11.8	2
12	The synchronization of multiple signal amplifications for label-free and sensitive aptamer-based sensing of a protein biomarker. <i>Analyst, The</i> , <b>2021</b> , 145, 7858-7863	5	2
11	Target-triggered autocatalytic sequence recycling for sensitive and simultaneous detection of microRNA and mRNA via multi-donor iFRET signal amplification. <i>Sensors and Actuators B: Chemical</i> , <b>2021</b> , 345, 130351	8.5	2
10	Simple label-free and sensitive fluorescence determination of human 8-oxoG DNA glycosylase 1 activity and inhibition via TdT-assisted sequence extension amplification. <i>New Journal of Chemistry</i> , <b>2019</b> , 43, 8260-8265	3.6	1
9	Electrochemical label-free biomolecular logic gates regulated by distinct inputs.. <i>Biosensors and Bioelectronics</i> , <b>2022</b> , 202, 114000	11.8	1

8	Biodegradable nanoparticle-assisted and multiplexed imaging of asymmetric RNA expressions in live cells for precise cancer diagnosis and prognosis. <i>Nanoscale</i> , <b>2020</b> , 12, 24100-24106	7.7	1
7	Target Recycling Transcription of Lighting-Up RNA Aptamers for Highly Sensitive and Label-Free Detection of ATP. <i>Journal of Analysis and Testing</i> , <b>2021</b> , 5, 174	3.2	1
6	Cascaded and nonlinear DNA assembly amplification for sensitive and aptamer-based detection of kanamycin.. <i>Analytica Chimica Acta</i> , <b>2022</b> , 1204, 339730	6.6	1
5	Highly sensitive and label-free detection of DILI microRNA biomarker via target recycling and primer exchange reaction amplifications.. <i>Analytica Chimica Acta</i> , <b>2022</b> , 1197, 339521	6.6	0
4	DNA branch migration amplification cascades for enzyme-free and non-label aptamer sensing of mucin 1. <i>Analyst, The</i> , <b>2020</b> , 145, 6085-6090	5	0
3	Target-induced activation of polymerase activity for recycling signal amplification cascades for sensitive aptamer-based detection of biomarkers. <i>Analyst, The</i> , <b>2021</b> , 146, 1590-1595	5	0
2	Construction of oxygen vacancy mediated direct Z scheme BiWO/SrTiO hybrid on cellulose fibers for high-performance and recyclable photocatalytic paper.. <i>Journal of Colloid and Interface Science</i> , <b>2022</b> , 622, 40-49	9.3	0
1	Target-triggered tertiary amplifications for sensitive and label-free protein detection based on lighting-up RNA aptamer transcriptions. <i>Analytica Chimica Acta</i> , <b>2022</b> , 1217, 340028	6.6	0