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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

72 papers	2,125 citations	30 h-index	43 g-index
72 ext. papers	2,453 ext. citations	8.3 avg, IF	5.21 L-index

#	Paper	IF	Citations
72	A multifunctional hemin@metal-organic framework and its application to construct an electrochemical aptasensor for thrombin detection. <i>Nanoscale</i> , <b>2015</b> , 7, 18232-8	7.7	140
71	Ultrasensitive Lipopolysaccharides Detection Based on Doxorubicin Conjugated N-(Aminobutyl)-N-(ethylisoluminol) as Electrochemiluminescence Indicator and Self-Assembled Tetrahedron DNA Dendrimers as Nanocarriers. <i>Analytical Chemistry</i> , <b>2016</b> , 88, 5218-24	7.8	79
70	Development of an electrochemical method for Ochratoxin A detection based on aptamer and loop-mediated isothermal amplification. <i>Biosensors and Bioelectronics</i> , <b>2014</b> , 55, 324-9	11.8	75
69	Self-Enhanced Electrochemiluminescence Nanorods of Tris(bipyridine) Ruthenium(II) Derivative and Its Sensing Application for Detection of N-Acetyl-Ed-glucosaminidase. <i>Analytical Chemistry</i> , <b>2016</b> , 88, 2258-65	7.8	73
68	Hemin/G-quadruplex simultaneously acts as NADH oxidase and HRP-mimicking DNAzyme for simple, sensitive pseudobienzyme electrochemical detection of thrombin. <i>Chemical Communications</i> , <b>2012</b> , 48, 4621-3	5.8	72
67	Graphene-promoted 3,4,9,10-perylenetetracarboxylic acid nanocomposite as redox probe in label-free electrochemical aptasensor. <i>Biosensors and Bioelectronics</i> , <b>2011</b> , 30, 123-7	11.8	59
66	An ultrasensitive "on-off-on" photoelectrochemical aptasensor based on signal amplification of a fullerene/CdTe quantum dots sensitized structure and efficient quenching by manganese porphyrin. <i>Chemical Communications</i> , <b>2016</b> , 52, 8138-41	5.8	56
65	Dendrimer functionalized reduced graphene oxide as nanocarrier for sensitive pseudobienzyme electrochemical aptasensor. <i>Biosensors and Bioelectronics</i> , <b>2013</b> , 42, 474-80	11.8	53
64	Electrochemical aptasensor based on the dual-amplification of G-quadruplex horseradish peroxidase-mimicking DNAzyme and blocking reagent-horseradish peroxidase. <i>Biosensors and Bioelectronics</i> , <b>2011</b> , 26, 4236-40	11.8	53
63	Tracing Phosphate Ions Generated during Loop-Mediated Isothermal Amplification for Electrochemical Detection of Nosema bombycis Genomic DNA PTP1. <i>Analytical Chemistry</i> , <b>2015</b> , 87, 10268-74	7.8	49
62	Dynamical Regulation of Enzyme Cascade Amplification by a Regenerated DNA Nanotweezer for Ultrasensitive Electrochemical DNA Detection. <i>Analytical Chemistry</i> , <b>2018</b> , 90, 10701-10706	7.8	46
61	Ultrasensitive electrochemiluminescent aptasensor for ochratoxin A detection with the loop-mediated isothermal amplification. <i>Analytica Chimica Acta</i> , <b>2014</b> , 811, 70-5	6.6	46
60	An ultrasensitive electrochemical aptasensor with autonomous assembly of hemin-G-quadruplex DNAzyme nanowires for pseudo triple-enzyme cascade electrocatalytic amplification. <i>Chemical Communications</i> , <b>2013</b> , 49, 7328-30	5.8	45
59	An electrochemical aptasensor for thrombin using synergetic catalysis of enzyme and porous Au@Pd core-shell nanostructures for signal amplification. <i>Biosensors and Bioelectronics</i> , <b>2015</b> , 64, 423-8	11.8	43
58	Amplified amperometric aptasensor for selective detection of protein using catalase-functional DNA-PtNPs dendrimer as a synergetic signal amplification label. <i>Biosensors and Bioelectronics</i> , <b>2014</b> , 60, 224-30	11.8	43
57	Electrochemical immunosensor for detecting the spore wall protein of Nosema bombycis based on the amplification of hemin/G-quadruplex DNAzyme concatamers functionalized Pt@Pd nanowires. <i>Biosensors and Bioelectronics</i> , <b>2014</b> , 60, 118-23	11.8	43
56	An electrochemiluminescence immunosensor for thyroid stimulating hormone based on polyamidoamine-norfloxacin functionalized Pd-Au core-shell hexoctahedrons as signal enhancers. <i>Biosensors and Bioelectronics</i> , <b>2015</b> , 71, 164-170	11.8	41

55	Sensitive Electrochemiluminescence Immunosensor for Detection of N-Acetyl-E <sub>d</sub> -glucosaminidase Based on a "Light-Switch" Molecule Combined with DNA Dendrimer. <i>Analytical Chemistry</i> , <b>2016</b> , 88, 5797-803	7.8	41
54	A sensitive electrochemiluminescence immunosensor based on luminophore capped Pd@Au core-shell nanoparticles as signal tracers and ferrocenyl compounds as signal enhancers. <i>Biosensors and Bioelectronics</i> , <b>2016</b> , 81, 334-340	11.8	39
53	A self-enhanced electrochemiluminescence immunosensor based on L-Lys-Ru(dcbpy) <sub>3</sub> (2+) functionalized porous six arrises column nanorods for detection of CA15-3. <i>Biosensors and Bioelectronics</i> , <b>2015</b> , 74, 924-30	11.8	37
52	A label-free electrochemical aptasensor based on the catalysis of manganese porphyrins for detection of thrombin. <i>Biosensors and Bioelectronics</i> , <b>2015</b> , 66, 585-9	11.8	37
51	Wavelength-resolved simultaneous photoelectrochemical bifunctional sensor on single interface: A newly in vitro approach for multiplexed DNA monitoring in cancer cells. <i>Biosensors and Bioelectronics</i> , <b>2016</b> , 81, 423-430	11.8	37
50	Sandwiched Electrochemiluminescent Peptide Biosensor for the Detection of Prognostic Indicator in Early-Stage Cancer Based on Hollow, Magnetic, and Self-Enhanced Nanosheets. <i>Small</i> , <b>2015</b> , 11, 3703-9	9.1	36
49	A novel label-free electrochemical aptasensor for thrombin based on the {nano-Au/thionine} <sub>n</sub> multilayer films as redox probes. <i>Analytica Chimica Acta</i> , <b>2010</b> , 668, 171-6	6.6	36
48	A novel solid-state Ru(bpy) <sub>3</sub> (2+) electrochemiluminescence immunosensor based on poly(ethylenimine) and polyamidoamine dendrimers as co-reactants. <i>Talanta</i> , <b>2015</b> , 131, 192-7	6.2	35
47	Sensitive pseudobienzyme electrocatalytic DNA biosensor for mercury(II) ion by using the autonomously assembled hemin/G-quadruplex DNAzyme nanowires for signal amplification. <i>Analytica Chimica Acta</i> , <b>2014</b> , 811, 23-8	6.6	34
46	Manganese porphyrin decorated on DNA networks as quencher and mimicking enzyme for construction of ultrasensitive photoelectrochemistry aptasensor. <i>Biosensors and Bioelectronics</i> , <b>2018</b> , 104, 21-26	11.8	33
45	Enzyme-assisted cycling amplification and DNA-templated in-situ deposition of silver nanoparticles for the sensitive electrochemical detection of Hg(2+). <i>Biosensors and Bioelectronics</i> , <b>2016</b> , 86, 630-635	11.8	33
44	Self-enhanced electrochemiluminescence immunosensor based on nanowires obtained by a green approach. <i>Biosensors and Bioelectronics</i> , <b>2015</b> , 68, 72-77	11.8	31
43	Highly Sensitive Photoelectrochemical Biosensor Based on Quantum Dots Sensitizing BiTe Nanosheets and DNA-Amplifying Strategies. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 22624-22629	9.5	31
42	In Situ Formation of Multifunctional DNA Nanospheres for a Sensitive and Accurate Dual-Mode Biosensor for Photoelectrochemical and Electrochemical Assay. <i>Analytical Chemistry</i> , <b>2020</b> , 92, 8364-8370	7.8	30
41	Amperometric nitrite sensor based on a glassy carbon electrode modified with multi-walled carbon nanotubes and poly(toluidine blue). <i>Mikrochimica Acta</i> , <b>2016</b> , 183, 1553-1561	5.8	30
40	A pseudo triple-enzyme cascade amplified aptasensor for thrombin detection based on hemin/G-quadruplex as signal label. <i>Biosensors and Bioelectronics</i> , <b>2014</b> , 54, 415-20	11.8	30
39	Reversible and Distance-Controllable DNA Scissor: A Regenerated Electrochemiluminescence Biosensing Platform for Ultrasensitive Detection of MicroRNA. <i>Analytical Chemistry</i> , <b>2019</b> , 91, 3239-3245	7.8	29
38	Mediator-free triple-enzyme cascade electrocatalytic aptasensor with exonuclease-assisted target recycling and hybridization chain reaction amplification. <i>Biosensors and Bioelectronics</i> , <b>2014</b> , 55, 366-71	11.8	27

37	A novel electrochemical aptasensor for highly sensitive detection of thrombin based on the autonomous assembly of hemin/G-quadruplex horseradish peroxidase-mimicking DNAzyme nanowires. <i>Analytica Chimica Acta</i> , <b>2014</b> , 832, 51-7	6.6	23
36	3,4,9,10-Perylenetetracarboxylic acid/o-phenylenediamine nanomaterials as novel redox probes for electrochemical aptasensor systems based on an Fe <sub>3</sub> O <sub>4</sub> magnetic bead as a nonenzymatic catalyst. <i>Chemical Communications</i> , <b>2015</b> , 51, 7657-60	5.8	22
35	An amplified electrochemical proximity immunoassay for the total protein of <i>Nosema bombycis</i> based on the catalytic activity of Fe <sub>3</sub> O <sub>4</sub> NPs towards methylene blue. <i>Biosensors and Bioelectronics</i> , <b>2016</b> , 81, 382-387	11.8	22
34	A signal-on electrochemical probe-label-free aptasensor using gold-platinum alloy and stearic acid as enhancers. <i>Biosensors and Bioelectronics</i> , <b>2010</b> , 26, 881-5	11.8	22
33	Impedimetric DNA-Based Biosensor for Silver Ions Detection with Hemin/G-Quadruplex Nanowire as Enhancer. <i>Electroanalysis</i> , <b>2014</b> , 26, 2732-2738	3	21
32	3,4,9,10-perylenetetracarboxylic acid/hemin nanocomposites act as redox probes and electrocatalysts for constructing a pseudobienzyme-channeling amplified electrochemical aptasensor. <i>Chemistry - A European Journal</i> , <b>2012</b> , 18, 14186-91	4.8	21
31	An electrochemical enzyme bioaffinity electrode based on biotin-streptavidin conjunction and bienzyme substrate recycling for amplification. <i>Analytical Biochemistry</i> , <b>2010</b> , 405, 121-6	3.1	21
30	Dependent signal quenching and enhancing triggered by bipedal DNA walker for ultrasensitive photoelectrochemical biosensor. <i>Biosensors and Bioelectronics</i> , <b>2019</b> , 143, 111618	11.8	20
29	Electrocatalytic Efficiency Regulation between Target-Induced HRP-Mimicking DNAzyme and GOx with Low Background for Ultrasensitive Detection of Thrombin. <i>Analytical Chemistry</i> , <b>2019</b> , 91, 10289-10294	7.8	20
28	A pseudo triple-enzyme electrochemical aptasensor based on the amplification of Pt-Pd nanowires and hemin/G-quadruplex. <i>Analytica Chimica Acta</i> , <b>2014</b> , 834, 45-50	6.6	20
27	An ultrasensitive electrochemiluminescence immunoassay based on supersandwich DNA structure amplification with histidine as a co-reactant. <i>Biosensors and Bioelectronics</i> , <b>2013</b> , 50, 294-9	11.8	20
26	A Solid-State Electrochemiluminescence Immunosensor Based on MWCNTs-Nafion and Ru(bpy) <sub>3</sub> <sup>2+</sup> /Nano-Pt Nanocomposites for Detection of Fetoprotein. <i>Electroanalysis</i> , <b>2011</b> , 23, 1418-1426	11.8	20
25	Dual triggers induced disassembly of DNA polymer decorated silver nanoparticle for ultrasensitive electrochemical Pb detection. <i>Analytica Chimica Acta</i> , <b>2018</b> , 1034, 56-62	6.6	20
24	L-cysteine induced manganese porphyrin electrocatalytic amplification with 3D DNA-Au@Pt nanoparticles as nanocarriers for sensitive electrochemical aptasensor. <i>Biosensors and Bioelectronics</i> , <b>2016</b> , 79, 86-91	11.8	19
23	Ultrasensitive electrochemical immunosensors for clinical immunoassay using gold nanoparticle coated multi-walled carbon nanotubes as labels and horseradish peroxidase as an enhancer. <i>Analytical Methods</i> , <b>2013</b> , 5, 5279	3.2	18
22	A Peptide Cleavage-Based Ultrasensitive Electrochemical Biosensor with an Ingenious Two-Stage DNA Template for Highly Efficient DNA Exponential Amplification. <i>Analytical Chemistry</i> , <b>2017</b> , 89, 8951-8956	7.8	18
21	Methylene blue sensitized photoelectrochemical biosensor with 3,4,9,10-Perylene tetracarboxylic acid film as photoelectric material for highly sensitive Pb <sup>2+</sup> detection. <i>Sensors and Actuators B: Chemical</i> , <b>2018</b> , 274, 458-463	8.5	17
20	A novel electrochemiluminescence aptasensor based on in situ generated proline and matrix polyamidoamine dendrimers as coreactants for signal amplification. <i>Biosensors and Bioelectronics</i> , <b>2014</b> , 55, 313-7	11.8	17

19	Highly-efficient luminol immobilization approach and exponential strand displacement reaction based electrochemiluminescent strategy for monitoring microRNA expression in cell. <i>Biosensors and Bioelectronics</i> , <b>2019</b> , 132, 62-67	11.8	14
18	Impedimetric aptasensor for nuclear factor kappa B with peroxidase-like mimic coupled DNA nanoladders as enhancer. <i>Biosensors and Bioelectronics</i> , <b>2016</b> , 81, 1-7	11.8	13
17	Lattice-Like DNA Tetrahedron Nanostructure as Scaffold to Locate GOx and HRP Enzymes for Highly Efficient Enzyme Cascade Reaction. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 2871-2877	9.5	13
16	An electrochemiluminescence biosensor for dopamine based on the recognition of fullerene-derivative and the quenching of cuprous oxide nanocrystals. <i>RSC Advances</i> , <b>2015</b> , 5, 58019-58023	3.7	11
15	Self-enhanced PEI-Ru(II) complex with polyamino acid as booster to construct ultrasensitive electrochemiluminescence immunosensor for carcinoembryonic antigen detection. <i>Analytica Chimica Acta</i> , <b>2018</b> , 1001, 112-118	6.6	11
14	C@CN nanocomposites as quencher for signal-off photoelectrochemical aptasensor with Au nanoparticle decorated perylene tetracarboxylic acid as platform. <i>Analytica Chimica Acta</i> , <b>2019</b> , 1077, 281-287	6.6	10
13	Porous FeO@COF-Immobilized gold nanoparticles with excellent catalytic performance for sensitive electrochemical detection of ATP. <i>Biosensors and Bioelectronics</i> , <b>2022</b> , 197, 113758	11.8	10
12	Electrochemical lead(II) biosensor by using an ion-dependent split DNAzyme and a template-free DNA extension reaction for signal amplification. <i>Mikrochimica Acta</i> , <b>2019</b> , 186, 709	5.8	9
11	Electrochemical biomolecule detection based on the regeneration of high-efficiency cascade catalysis for bifunctional nanozymes. <i>Chemical Communications</i> , <b>2020</b> , 56, 2276-2279	5.8	8
10	Hemin/G-quadruplex DNAzyme nanowires amplified luminol electrochemiluminescence system and its application in sensing silver ions. <i>RSC Advances</i> , <b>2016</b> , 6, 37221-37225	3.7	8
9	Wavelength distinguishable signal quenching and enhancing toward photoactive material 3,4,9,10-perylenetetracarboxylic dianhydride for simultaneous assay of dual metal ions. <i>Biosensors and Bioelectronics</i> , <b>2019</b> , 145, 111702	11.8	7
8	FeS <sub>2</sub> @AuNPs Nanocomposite as Mimicking Enzyme for Constructing Signal-off Sandwich-type Electrochemical Immunosensor Based on Electroactive Nickel Hexacyanoferrate as Matrix. <i>Electroanalysis</i> , <b>2019</b> , 31, 1019-1025	3	7
7	A label-free and sensitive electrochemical aptasensor for thrombin based on the direct electron transfer of hemin and hemin@rGO nanosheets as the signal probe. <i>Analytical Methods</i> , <b>2015</b> , 7, 8771-8777	3.2	6
6	Simple and Regulable DNA Dimer Nanodevice to Arrange Cascade Enzymes for Sensitive Electrochemical Biosensing. <i>Analytical Chemistry</i> , <b>2020</b> , 92, 14197-14202	7.8	4
5	Hg <sup>2+</sup> Electrochemical Biosensor Based on Target Triggered Exonuclease III-Assisted Dual Cycle Amplification and Tetrahedron DNA Nanostructures as Signal Molecule Carrier. <i>Journal of the Electrochemical Society</i> , <b>2019</b> , 166, B336-B340	3.9	3
4	A core-brush 3D DNA nanostructure: the next generation of DNA nanomachine for ultrasensitive sensing and imaging of intracellular microRNA with rapid kinetics.. <i>Chemical Science</i> , <b>2021</b> , 12, 15953-15959	9.4	3
3	Target-Induced DNA Mismatch for One-Spot Simultaneous Electrochemical Detection of Multiple Heavy Metals Based on the Amplification of DNA Concatemers. <i>Journal of the Electrochemical Society</i> , <b>2017</b> , 164, B81-B85	3.9	2
2	A novel self-enhanced carbon nitride platform coupled with highly effective dual-recycle strand displacement amplifying strategy for sensitive photoelectrochemical assay. <i>Biosensors and Bioelectronics</i> , <b>2021</b> , 184, 113227	11.8	2

- 1 Dual catalytic hairpin assembly and enzyme cascade catalysis amplification based sensitive dual-mode biosensor with significantly enhanced opposite signal readout. *Sensors and Actuators B: Chemical*, **2021**, 348, 130676 8.5 1