Dianping Tang

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	New Insights on Potentiometric Immunosensor at Carbon Fiber Microelectrode for Alphaâ€Fetoprotein in Hepatocellular Carcinoma. Electroanalysis, 2022, 34, 976-980.	2.9	2
2	Antibodyâ€invertase Crossâ€linkage Nanoparticles: A New Signal Tag for Pointâ€ofâ€Care Immunoassay of Alphaâ€fetoprotein for Hepatocellular Carcinoma with Personal Glucometer. Electroanalysis, 2022, 34, 246-251.	2.9	8
3	Bioinspired Self-Powered Piezoresistive Sensors for Simultaneous Monitoring of Human Health and Outdoor UV Light Intensity. ACS Applied Materials & Interfaces, 2022, 14, 5101-5111.	8.0	40
4	Exploiting Photoelectric Activities and Piezoelectric Properties of NaNbO ₃ Semiconductors for Point-of-Care Immunoassay. Analytical Chemistry, 2022, 94, 3418-3426.	6.5	151
5	Liposome-Mediated <i>In Situ</i> Formation of Type-I Heterojunction for Amplified Photoelectrochemical Immunoassay. Analytical Chemistry, 2022, 94, 4859-4865.	6.5	176
6	Dopamineâ€loaded Liposomesâ€amplified Electrochemical Immunoassay Based on MXene (Ti ₃ C ₂)â^'AuNPs. Electroanalysis, 2022, 34, 1329-1337.	2.9	7
7	Biocatalysis-mediated MOF-to-prussian blue transformation enabling sensitive detection of NSCLC-associated miRNAs with dual-readout signals. Biosensors and Bioelectronics, 2022, 206, 114139.	10.1	28
8	Liposome-Embedded Cu _{2–<i>x</i>} Ag _{<i>x</i>} S Nanoparticle-Mediated Photothermal Immunoassay for Daily Monitoring of cTnI Protein Using a Portable Thermal Imager. Analytical Chemistry, 2022, 94, 7408-7416.	6.5	61
9	Size-Controlled Engineering Photoelectrochemical Biosensor for Human Papillomavirus-16 Based on CRISPR-Cas12a-Induced Disassembly of Z-Scheme Heterojunctions. ACS Sensors, 2022, 7, 1593-1601.	7.8	91
10	CRISPR-Cas12a-Derived Photoelectrochemical Biosensor for Point-Of-Care Diagnosis of Nucleic Acid. Analytical Chemistry, 2022, 94, 7442-7448.	6.5	196
11	Ratiometric fluorescence enzyme-linked immunosorbent assay based on carbon dots@SiO ₂ @CdTe quantum dots with dual functionalities for alpha-fetoprotein. Analyst, The, 2022, 147, 2851-2858.	3.5	5
12	Target-induced photocurrent-polarity-switching photoelectrochemical aptasensor with gold nanoparticle-ZnIn2S4 nanohybrids for the quantification of 8-hydroxy-2′-deoxyguanosine. Sensors and Actuators B: Chemical, 2022, 368, 132141.	7.8	28
13	Photoelectrochemical bioanalysis of microRNA on yolk-in-shell Au@CdS based on the catalytic hairpin assembly-mediated CRISPR-Cas12a system. Chemical Communications, 2022, 58, 7562-7565.	4.1	71
14	Contactless Photoelectrochemical Biosensor Based on the Ultraviolet–Assisted Gas Sensing Interface of Three-Dimensional SnS ₂ Nanosheets: From Mechanism Reveal to Practical Application. Analytical Chemistry, 2022, 94, 9487-9495.	6.5	78
15	Molecularly Imprinted Polymer Functionalized Bi2S3/Ti3C2TX MXene Nanocomposites for Photoelectrochemical/Electrochemical Dual-Mode Sensing of Chlorogenic Acid. Chemosensors, 2022, 10, 252.	3.6	10
16	Integrated Photothermalâ€Pyroelectric Biosensor for Rapid and Pointâ€ofâ€Care Diagnosis of Acute Myocardial Infarction: A Convergence of Theoretical Research and Commercialization. Small, 2022, 18,	10.0	28
17	CRISPR/Cas12a-based photoelectrochemical sensing of microRNA on reduced graphene oxide-anchored Bi2WO6 coupling with catalytic hairpin assembly. Sensors and Actuators B: Chemical, 2022, 369, 132307.	7.8	60
18	Horseradish peroxidase-encapsulated DNA nanoflowers: An innovative signal-generation tag for colorimetric biosensor. Talanta, 2021, 221, 121600.	5.5	47

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19	CRISPR-Cas12a-driven MXene-PEDOT:PSS piezoresistive wireless biosensor. Nano Energy, 2021, 82, 105711.	16.0	260
20	Highly sensitive fluorescent probe for selective detection of hypochlorite ions using nitrogen–fluorine co-doped carbon nanodots. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 250, 119231.	3.9	9
21	A portable thermal detection method based on the target responsive hydrogel mediated self-heating of a warming pad. Chemical Communications, 2021, 57, 9862-9865.	4.1	6
22	An ultrasensitive homogeneous electrochemical biosensor based on CRISPR-Cas12a. Analytical Methods, 2021, 13, 3227-3232.	2.7	20
23	Ferroelectric perovskite-enhanced photoelectrochemical immunoassay with the photoexcited charge-transfer of a built-in electric field. Journal of Materials Chemistry C, 2021, 9, 14351-14358.	5.5	15
24	Ultrasensitive fluorometric biosensor based on Ti ₃ C ₂ MXenes with Hg ²⁺ -triggered exonuclease III-assisted recycling amplification. Analyst, The, 2021, 146, 2664-2669.	3.5	55
25	Graphene-coated copper-doped ZnO quantum dots for sensitive photoelectrochemical bioanalysis of thrombin triggered by DNA nanoflowers. Journal of Materials Chemistry B, 2021, 9, 6818-6824.	5.8	25
26	Biocatalysis-induced formation of BiOBr/Bi2S3 semiconductor heterostructures: A highly efficient strategy for establishing sensitive photoelectrochemical sensing system for organophosphorus pesticide detection. Sensors and Actuators B: Chemical, 2021, 331, 129451.	7.8	24
27	Double ion-exchange reaction-based photoelectrochemical immunoassay for sensitive detection of prostate-specific antigen. Analytica Chimica Acta, 2021, 1149, 338215.	5.4	26
28	In situ formation of (0 0 1)TiO2/Ti3C2 heterojunctions for enhanced photoelectrochemical detection of dopamine. Electrochemistry Communications, 2021, 125, 106987.	4.7	31
29	Ultrasensitive zero-background photoelectrochemical biosensor for analysis of organophosphorus pesticide based on in situ formation of DNA-templated Ag2S photoactive materials. Analytical and Bioanalytical Chemistry, 2021, 413, 6279-6288.	3.7	11
30	Signal-on photoelectrochemical immunoassay mediated by the etching reaction of oxygen/phosphorus co-doped g-C3N4/AgBr/MnO2 nanohybrids. Analytica Chimica Acta, 2021, 1171, 338680.	5.4	26
31	Recent advances in DNA walker machines and their applications coupled with signal amplification strategies: A critical review. Analytica Chimica Acta, 2021, 1171, 338523.	5.4	49
32	Chemiluminescence-Derived Self-Powered Photoelectrochemical Immunoassay for Detecting a Low-Abundance Disease-Related Protein. Analytical Chemistry, 2021, 93, 13389-13397.	6.5	118
33	Au Nanoparticle-Decorated ZnO Microflower-Based Immunoassay for Photoelectrochemical Detection of Human Prostate-Specific Antigen. ACS Applied Nano Materials, 2021, 4, 10943-10951.	5.0	24
34	Graded oxygen-doped CdS electrode for portable photoelectrochemical immunoassay of alpha-fetoprotein coupling with a digital multimeter readout. Sensors and Actuators B: Chemical, 2021, 343, 130136.	7.8	27
35	Versatile Synthesis of Hollow Metal Sulfides via Cation Exchange Reactions for Photocatalytic CO2 Reduction. Angewandte Chemie, 2021, 133, 25259.	2.0	6
36	Digital multimeter-based point-of-care immunoassay of prostate- specific antigen coupling with a flexible photosensitive pressure sensor. Sensors and Actuators B: Chemical 2021, 343, 130121	7.8	23

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37	Pressure-Based Immunoassays with Versatile Electronic Sensors for Carcinoembryonic Antigen Detection. ACS Applied Materials & Interfaces, 2021, 13, 46440-46450.	8.0	34
38	Versatile Synthesis of Hollow Metal Sulfides via Reverse Cation Exchange Reactions for Photocatalytic CO ₂ Reduction. Angewandte Chemie - International Edition, 2021, 60, 25055-25062.	13.8	154
39	4-Nitrophenol-Loaded Magnetic Mesoporous Silica Hybrid Materials for Spectrometric Aptasensing of Carcinoembryonic Antigen. Micromachines, 2021, 12, 1138.	2.9	1
40	Persistent luminescence nanorods-based autofluorescence-free biosensor for prostate-specific antigen detection. Talanta, 2021, 233, 122563.	5.5	37
41	CRISPR/Cas12a-mediated liposome-amplified strategy for the photoelectrochemical detection of nucleic acid. Chemical Communications, 2021, 57, 8977-8980.	4.1	87
42	Ultrasensitive photoelectrochemical immunoassay for prostate-specific antigen based on silver nanoparticle-triggered ion-exchange reaction with ZnO/CdS nanorods. Analyst, The, 2021, 146, 4487-4494.	3.5	19
43	Pressure-Based Biosensor Integrated with a Flexible Pressure Sensor and an Electrochromic Device for Visual Detection. Analytical Chemistry, 2021, 93, 2916-2925.	6.5	181
44	A novel colorimetric immunoassay for sensitive monitoring of ochratoxin A based on an enzyme-controlled citrate-iron(<scp>iii</scp>) chelating system. New Journal of Chemistry, 2021, 45, 11977-11982.	2.8	3
45	Morphology-Invariant Metallic Nanoparticles with Tunable Plasmonic Properties. ACS Nano, 2021, 15, 2428-2438.	14.6	44
46	Biomimetic -mineralized multifunctional nanoflowers for anodic-stripping voltammetric immunoassay of rehabilitation-related proteins. Analyst, The, 2021, 147, 80-86.	3.5	2
47	CoOOH nanosheets-coated g-C3N4/CuInS2 nanohybrids for photoelectrochemical biosensor of carcinoembryonic antigen coupling hybridization chain reaction with etching reaction. Sensors and Actuators B: Chemical, 2020, 307, 127631.	7.8	185
48	Recent Advances in Photoelectrochemical Sensing: From Engineered Photoactive Materials to Sensing Devices and Detection Modes. Analytical Chemistry, 2020, 92, 363-377.	6.5	614
49	Full-spectrum responsive photoelectrochemical immunoassay based on β-In2S3@carbon dot nanoflowers. Electrochimica Acta, 2020, 332, 135473.	5.2	40
50	ZIF-8-Assisted NaYF4:Yb,Tm@ZnO Converter with Exonuclease III-Powered DNA Walker for Near-Infrared Light Responsive Biosensor. Analytical Chemistry, 2020, 92, 1470-1476.	6.5	376
51	A polypyrrole-polydimethylsiloxane sponge-based compressible capacitance sensor with molecular recognition for point-of-care immunoassay. Analyst, The, 2020, 145, 7186-7190.	3.5	22
52	Rolling circle amplification promoted magneto-controlled photoelectrochemical biosensor for organophosphorus pesticides based on dissolution of core-shell MnO2 nanoflower@CdS mediated by butyrylcholinesterase. Mikrochimica Acta, 2020, 187, 450.	5.0	26
53	Ultrasensitive split-type electrochemical sensing platform for sensitive determination of organophosphorus pesticides based on MnO2 nanoflower-electron mediator as a signal transduction system. Analytical and Bioanalytical Chemistry, 2020, 412, 6939-6945.	3.7	22
54	Thionine-doped nanometer-sized silica conjugated with phenylboronic acid: An innovative recognition/signal element for voltammetric aptasensing of colorectal cancer-related carcinoembryonic antigen. Analytica Chimica Acta, 2020, 1136, 91-98.	5.4	13

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55	<i>In situ</i> amplified QCM immunoassay for carcinoembryonic antigen with colorectal cancer using horseradish peroxidase nanospheres and enzymatic biocatalytic precipitation. Analyst, The, 2020, 145, 6111-6118.	3.5	20
56	Distance-dependent visual fluorescence immunoassay on CdTe quantum dot–impregnated paper through silver ion-exchange reaction. Mikrochimica Acta, 2020, 187, 563.	5.0	24
57	Platinum Nanozyme-Triggered Pressure-Based Immunoassay Using a Three-Dimensional Polypyrrole Foam-Based Flexible Pressure Sensor. ACS Applied Materials & Interfaces, 2020, 12, 40133-40140.	8.0	123
58	Single-atom platinum nanocatalyst-improved catalytic efficiency with enzyme-DNA supermolecular architectures. Nano Energy, 2020, 74, 104931.	16.0	103
59	Magnetic bead-based photoelectrochemical immunoassay for sensitive detection of carcinoembryonic antigen using hollow cadmium sulfide. Talanta, 2020, 219, 121215.	5.5	44
60	Selective determination of 2,4,6-trinitrophenol by using a novel carbon nanoparticles as a fluorescent probe in real sample. Analytical and Bioanalytical Chemistry, 2020, 412, 3083-3090.	3.7	14
61	Actuating photoelectrochemical sensing sensitivity coupling core-core-shell Fe3O4@C@TiO2 with molecularly imprinted polypyrrole. Talanta, 2020, 219, 121341.	5.5	47
62	Biometric-based tactile chemomechanical transduction: An adaptable strategy for portable bioassay. Nano Energy, 2020, 71, 104580.	16.0	45
63	Nanostructure-based photoelectrochemical sensing platforms for biomedical applications. Journal of Materials Chemistry B, 2020, 8, 2541-2561.	5.8	103
64	Enzymeâ€Encapsulated DNA Hydrogel for Highly Efficient Electrochemical Sensing Glucose. ChemElectroChem, 2020, 7, 1537-1541.	3.4	39
65	A novel colorimetric immunoassay based on enzyme-regulated instant generation of Turnbull's blue for the sensitive determination of ochratoxin A. Analyst, The, 2020, 145, 2420-2424.	3.5	8
66	Plasmonic enhanced photoelectrochemical aptasensor with D-A F8BT/g-C3N4 heterojunction and AuNPs on a 3D-printed device. Sensors and Actuators B: Chemical, 2020, 310, 127874.	7.8	78
67	Self-Powered Temperature Sensor with Seebeck Effect Transduction for Photothermal–Thermoelectric Coupled Immunoassay. Analytical Chemistry, 2020, 92, 2809-2814.	6.5	214
68	Recent advances in photoelectrochemical biosensors for analysis of mycotoxins in food. TrAC - Trends in Analytical Chemistry, 2020, 124, 115814.	11.4	276
69	<i>In situ</i> amplified photothermal immunoassay for neuron-specific enolase with enhanced sensitivity using Prussian blue nanoparticle-loaded liposomes. Analyst, The, 2020, 145, 4164-4172.	3.5	18
70	Pressure-Based Bioassay Perceived by a Flexible Pressure Sensor with Synergistic Enhancement of the Photothermal Effect. ACS Applied Bio Materials, 2020, 3, 9156-9163.	4.6	37
71	2D metal chalcogenides with surfaces fully covered with an organic "promoter―for high-performance biomimetic catalysis. Chemical Communications, 2019, 55, 10444-10447.	4.1	19
72	Ti ₃ C ₂ MXene quantum dot-encapsulated liposomes for photothermal immunoassays using a portable near-infrared imaging camera on a smartphone. Nanoscale, 2019, 11, 15659-15667.	5.6	209

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73	Saw-Toothed Microstructure-Based Flexible Pressure Sensor as the Signal Readout for Point-of-Care Immunoassay. ACS Sensors, 2019, 4, 2272-2276.	7.8	91
74	A three-dimensional DNA walker amplified FRET sensor for detection of telomerase activity based on the MnO ₂ nanosheet-upconversion nanoparticle sensing platform. Chemical Communications, 2019, 55, 9857-9860.	4.1	53
75	Photoelectrochemical immunoassay of aflatoxin B ₁ in foodstuff based on amorphous TiO ₂ and CsPbBr ₃ perovskite nanocrystals. Analyst, The, 2019, 144, 4880-4886.	3.5	49
76	Novel 3D Printed Device for Dual-Signaling Ratiometric Photoelectrochemical Readout of Biomarker Using λ-Exonuclease-Assisted Recycling Amplification. Analytical Chemistry, 2019, 91, 10049-10055.	6.5	62
77	Ti3C2 MXene nanosheet-based capacitance immunoassay with tyramine-enzyme repeats to detect prostate-specific antigen on interdigitated micro-comb electrode. Electrochimica Acta, 2019, 319, 375-381.	5.2	77
78	H ₂ -Based Electrochemical Biosensor with Pd Nanowires@ZIF-67 Molecular Sieve Bilayered Sensing Interface for Immunoassay. Analytical Chemistry, 2019, 91, 12055-12062.	6.5	140
79	A surface plasmon resonance enhanced photoelectrochemical immunoassay based on perovskite metal oxide@gold nanoparticle heterostructures. Analyst, The, 2019, 144, 5717-5723.	3.5	24
80	A 3D printing-based portable photoelectrochemical sensing device using a digital multimeter. Analyst, The, 2019, 144, 5389-5393.	3.5	13
81	Palindromic Fragment-Mediated Single-Chain Amplification: An Innovative Mode for Photoelectrochemical Bioassay. Analytical Chemistry, 2019, 91, 7835-7841.	6.5	85
82	Ambient electrochemical N ₂ reduction to NH ₃ under alkaline conditions enabled by a layered K ₂ Ti ₄ O ₉ nanobelt. Chemical Communications, 2019, 55, 7546-7549.	4.1	16
83	Electrocatalytic N ₂ -to-NH ₃ conversion using oxygen-doped graphene: experimental and theoretical studies. Chemical Communications, 2019, 55, 7502-7505.	4.1	78
84	A perovskite La ₂ Ti ₂ O ₇ nanosheet as an efficient electrocatalyst for artificial N ₂ fixation to NH ₃ in acidic media. Chemical Communications, 2019, 55, 6401-6404.	4.1	74
85	A new visual immunoassay for prostate-specific antigen using near-infrared excited Cu _x S nanocrystals and imaging on a smartphone. Analyst, The, 2019, 144, 3716-3720.	3.5	29
86	Metal-ion-induced DNAzyme on magnetic beads for detection of lead(II) by using rolling circle amplification, glucose oxidase, and readout of pH changes. Mikrochimica Acta, 2019, 186, 318.	5.0	29
87	All-solid-state metal-mediated Z-scheme photoelectrochemical immunoassay with enhanced photoexcited charge-separation for monitoring of prostate-specific antigen. Biosensors and Bioelectronics, 2019, 134, 1-7.	10.1	62
88	Photoelectrochemical bioanalysis of antibiotics on rGO-Bi2WO6-Au based on branched hybridization chain reaction. Biosensors and Bioelectronics, 2019, 133, 100-106.	10.1	121
89	Branched Polyethylenimine-Modified Upconversion Nanohybrid-Mediated Photoelectrochemical Immunoassay with Synergistic Effect of Dual-Purpose Copper Ions. Analytical Chemistry, 2019, 91, 4149-4156.	6.5	204
90	A chemiresistive thin-film translating biological recognition into electrical signals: an innovative signaling mode for contactless biosensing. Chemical Communications, 2019, 55, 3262-3265.	4.1	25

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91	Paper Electrode-Based Flexible Pressure Sensor for Point-of-Care Immunoassay with Digital Multimeter. Analytical Chemistry, 2019, 91, 1222-1226.	6.5	278
92	Palindromic Molecular Beacon Based Z-Scheme BiOCl-Au-CdS Photoelectrochemical Biodetection. Analytical Chemistry, 2019, 91, 2447-2454.	6.5	318
93	Etching reaction-based photoelectrochemical immunoassay of aflatoxin B1 in foodstuff using cobalt oxyhydroxide nanosheets-coating cadmium sulfide nanoparticles as the signal tags. Analytica Chimica Acta, 2019, 1052, 49-56.	5.4	47
94	Dual-Channel Photoelectrochemical Ratiometric Aptasensor with up-Converting Nanocrystals Using Spatial-Resolved Technique on Homemade 3D Printed Device. Analytical Chemistry, 2019, 91, 1260-1268.	6.5	250
95	Exciton–Plasmon Interaction between AuNPs/Graphene Nanohybrids and CdS Quantum Dots/TiO ₂ for Photoelectrochemical Aptasensing of Prostate-Specific Antigen. ACS Sensors, 2018, 3, 632-639.	7.8	277
96	Novel photoluminescence enzyme immunoassay based on supramolecular host-guest recognition using L-arginine/6-aza-2-thiothymine-stabilized gold nanocluster. Biosensors and Bioelectronics, 2018, 109, 70-74.	10.1	24
97	Metal sulfide quantum dots-aggregated PAMAM dendrimer for cadmium ion-selective electrode-based immunoassay of alpha-fetoprotein. Science China Chemistry, 2018, 61, 750-756.	8.2	27
98	Glucose-loaded liposomes for amplified colorimetric immunoassay of streptomycin based on enzyme-induced iron(II) chelation reaction with phenanthroline. Sensors and Actuators B: Chemical, 2018, 265, 174-181.	7.8	101
99	Plasmonic Enhancement Coupling with Defect-Engineered TiO _{2–<i>x</i>} : A Mode for Sensitive Photoelectrochemical Biosensing. Analytical Chemistry, 2018, 90, 2425-2429.	6.5	208
100	Two-dimensional MoS2 as a nano-binder for ssDNA: Ultrasensitive aptamer based amperometric detection of Ochratoxin A. Mikrochimica Acta, 2018, 185, 162.	5.0	39
101	A conventional chemical reaction for use in an unconventional assay: A colorimetric immunoassay for aflatoxin B1 by using enzyme-responsive just-in-time generation of a MnO2 based nanocatalyst. Mikrochimica Acta, 2018, 185, 92.	5.0	32
102	Liposome-amplified photoelectrochemical immunoassay for highly sensitive monitoring of disease biomarkers based on a split-type strategy. Biosensors and Bioelectronics, 2018, 99, 230-236.	10.1	75
103	Bio-bar-code-based photoelectrochemical immunoassay for sensitive detection of prostate-specific antigen using rolling circle amplification and enzymatic biocatalytic precipitation. Biosensors and Bioelectronics, 2018, 101, 159-166.	10.1	241
104	Reduced graphene oxide/BiFeO3 nanohybrids-based signal-on photoelectrochemical sensing system for prostate-specific antigen detection coupling with magnetic microfluidic device. Biosensors and Bioelectronics, 2018, 101, 146-152.	10.1	246
105	Near-Infrared-to-Ultraviolet Light-Mediated Photoelectrochemical Aptasensing Platform for Cancer Biomarker Based on Core–Shell NaYF ₄ :Yb,Tm@TiO ₂ Upconversion Microrods. Analytical Chemistry, 2018, 90, 1021-1028.	6.5	321
106	Facile and feasible conductometric immunoanalytical assay for alpha-fetoprotein using platinum-functionalized graphitic carbon nitride nanosheets. Analytical Methods, 2018, 10, 4886-4893.	2.7	7
107	Dual-readout aptasensing of antibiotic residues based on gold nanocluster-functionalized MnO ₂ nanosheets with target-induced etching reaction. Journal of Materials Chemistry B, 2018, 6, 8071-8077.	5.8	61
108	Wet NH ₃ -Triggered NH ₂ -MIL-125(Ti) Structural Switch for Visible Fluorescence Immunoassay Impregnated on Paper. Analytical Chemistry, 2018, 90, 14121-14125.	6.5	182

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109	Nonenzymatic sensing of hydrogen peroxide using a glassy carbon electrode modified with graphene oxide, a polyamidoamine dendrimer, and with polyaniline deposited by the Fenton reaction. Mikrochimica Acta, 2018, 185, 569.	5.0	16
110	Carbon dots prepared from Litchi chinensis and modified with manganese dioxide nanosheets for use in a competitive fluorometric immunoassay for aflatoxin B1. Mikrochimica Acta, 2018, 185, 476.	5.0	49
111	Graphene oxide-gated mesoporous silica nanocontainers using aptamers for arsenite detection with glucometer readout. Journal of Materials Chemistry B, 2018, 6, 6585-6591.	5.8	23
112	Platinum Nanozyme-Catalyzed Gas Generation for Pressure-Based Bioassay Using Polyaniline Nanowires-Functionalized Graphene Oxide Framework. Analytical Chemistry, 2018, 90, 12299-12306.	6.5	271
113	NaYF ₄ :Yb,Er Upconversion Nanotransducer with in Situ Fabrication of Ag ₂ S for Near-Infrared Light Responsive Photoelectrochemical Biosensor. Analytical Chemistry, 2018, 90, 12214-12220.	6.5	116
114	A new enzyme immunoassay for alpha-fetoprotein in a separate setup coupling an aluminium/Prussian blue-based self-powered electrochromic display with a digital multimeter readout. Analyst, The, 2018, 143, 2992-2996.	3.5	50
115	Double Photosystems-Based â€~Z-Scheme' Photoelectrochemical Sensing Mode for Ultrasensitive Detection of Disease Biomarker Accompanying Three-Dimensional DNA Walker. Analytical Chemistry, 2018, 90, 7086-7093.	6.5	259
116	Near-Infrared Light-Excited Core–Core–Shell UCNP@Au@CdS Upconversion Nanospheres for Ultrasensitive Photoelectrochemical Enzyme Immunoassay. Analytical Chemistry, 2018, 90, 9568-9575.	6.5	267
117	Photoelectrochemical biosensing of disease marker on p-type Cu-doped Zn0.3Cd0.7S based on RCA and exonuclease III amplification. Biosensors and Bioelectronics, 2018, 117, 590-596.	10.1	60
118	Self-Referenced Smartphone Imaging for Visual Screening of H ₂ S Using Cu _{<i>x</i>} O-Polypyrrole Conductive Aerogel Doped with Graphene Oxide Framework. Analytical Chemistry, 2018, 90, 9691-9694.	6.5	125
119	Ultrasensitive and label-free electrochemical aptasensor of kanamycin coupling with hybridization chain reaction and strand-displacement amplification. Analytica Chimica Acta, 2018, 1038, 21-28.	5.4	66
120	Novel quartz crystal microbalance immunodetection of aflatoxin B1 coupling cargo-encapsulated liposome with indicator-triggered displacement assay. Analytica Chimica Acta, 2018, 1031, 161-168.	5.4	34
121	Metal-Polydopamine Framework: An Innovative Signal-Generation Tag for Colorimetric Immunoassay. Analytical Chemistry, 2018, 90, 11099-11105.	6.5	260
122	Liposome-coated mesoporous silica nanoparticles loaded with L-cysteine for photoelectrochemical immunoassay of aflatoxin B1. Mikrochimica Acta, 2018, 185, 311.	5.0	51
123	Plasmonic resonance enhanced photoelectrochemical aptasensors based on g-C ₃ N ₄ /Bi ₂ MoO ₆ . Chemical Communications, 2018, 54, 7199-7202.	4.1	62
124	Homogeneous electrochemical detection of ochratoxin A in foodstuff using aptamer–graphene oxide nanosheets and DNase I-based target recycling reaction. Biosensors and Bioelectronics, 2017, 89, 659-665.	10.1	122
125	Enzyme-controlled dissolution of MnO2 nanoflakes with enzyme cascade amplification for colorimetric immunoassay. Biosensors and Bioelectronics, 2017, 89, 645-651.	10.1	162
126	Enzyme-free amperometric glucose sensor using a glassy carbon electrode modified with poly(vinyl) Tj ETQq0 0 0	rgBT /Ove 5.0	rlock 10 Tf 5 33

Mikrochimica Acta, 2017, 184, 807-814.

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127	Photoelectrochemical sensing of hydrogen peroxide at zero working potential using a fluorine-doped tin oxide electrode modified with BiVO4 microrods. Mikrochimica Acta, 2017, 184, 799-806.	5.0	48
128	Polyion oligonucleotide-decorated gold nanoparticles with tunable surface charge density for amplified signal output of potentiometric immunosensor. Analytica Chimica Acta, 2017, 964, 67-73.	5.4	49
129	Facile Colorimetric Detection of Silver Ions with Picomolar Sensitivity. Analytical Chemistry, 2017, 89, 3622-3629.	6.5	98
130	High-index {hk0} faceted platinum concave nanocubes with enhanced peroxidase-like activity for an ultrasensitive colorimetric immunoassay of the human prostate-specific antigen. Analyst, The, 2017, 142, 911-917.	3.5	78
131	CdS:Mn quantum dot-functionalized g-C3N4 nanohybrids as signal-generation tags for photoelectrochemical immunoassay of prostate specific antigen coupling DNAzyme concatamer with enzymatic biocatalytic precipitation. Biosensors and Bioelectronics, 2017, 95, 34-40.	10.1	210
132	In-situ amplified voltammetric immunoassay for ochratoxin A by couplingÂa platinum nanocatalyst based enhancement to a redox cycling process promoted by an enzyme mimicÂ. Mikrochimica Acta, 2017, 184, 2445-2453.	5.0	26
133	Signal-On Photoelectrochemical Immunoassay for Aflatoxin B ₁ Based on Enzymatic Product-Etching MnO ₂ Nanosheets for Dissociation of Carbon Dots. Analytical Chemistry, 2017, 89, 5637-5645.	6.5	360
134	Competitive photometric and visual ELISA for aflatoxin B1 based on the inhibition of the oxidation of ABTS. Mikrochimica Acta, 2017, 184, 2387-2394.	5.0	22
135	Novel photoelectrochemical immunosensor for disease-related protein assisted by hemin/G-quadruplex-based DNAzyme on gold nanoparticles to enhance cathodic photocurrent on p-CuBi2O4 semiconductor. Biosensors and Bioelectronics, 2017, 96, 317-323.	10.1	101
136	Eggshell membrane-templated synthesis of 3D hierarchical porous Au networks for electrochemical nonenzymatic glucose sensor. Biosensors and Bioelectronics, 2017, 96, 26-32.	10.1	150
137	Reduced graphene oxide-functionalized FeOOH for signal-on photoelectrochemical sensing of prostate-specific antigen with bioresponsive controlled release system. Biosensors and Bioelectronics, 2017, 98, 15-21.	10.1	73
138	Bioresponsive controlled glucose release from TiO2 nanotube arrays: a simple and portable biosensing system for cocaine with a glucometer readout. Journal of Materials Chemistry B, 2017, 5, 5573-5579.	5.8	12
139	Bioresponsive Release System for Visual Fluorescence Detection of Carcinoembryonic Antigen from Mesoporous Silica Nanocontainers Mediated Optical Color on Quantum Dot-Enzyme-Impregnated Paper. Analytical Chemistry, 2017, 89, 5152-5160.	6.5	405
140	Optical transformation of a CdTe quantum dot-based paper sensor for a visual fluorescence immunoassay induced by dissolved silver ions. Journal of Materials Chemistry B, 2017, 5, 826-833.	5.8	84
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