

# Dianping Tang

## List of Publications by Year in descending order

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268  
papers

22,697  
citations

6124

83  
h-index

12638

137  
g-index

269  
all docs

269  
docs citations

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times ranked

13494  
citing authors

#	ARTICLE	IF	CITATIONS
1	New Insights on Potentiometric Immunosensor at Carbon Fiber Microelectrode for Alpha-Fetoprotein in Hepatocellular Carcinoma. <i>Electroanalysis</i> , 2022, 34, 976-980.	1.5	2
2	Antibody-Invertase Cross-Linkage Nanoparticles: A New Signal Tag for Point-of-Care Immunoassay of Alpha-Fetoprotein for Hepatocellular Carcinoma with Personal Glucometer. <i>Electroanalysis</i> , 2022, 34, 246-251.	1.5	8
3	Bioinspired Self-Powered Piezoresistive Sensors for Simultaneous Monitoring of Human Health and Outdoor UV Light Intensity. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 5101-5111.	4.0	40
4	Exploiting Photoelectric Activities and Piezoelectric Properties of $\text{NaNbO}_3$ Semiconductors for Point-of-Care Immunoassay. <i>Analytical Chemistry</i> , 2022, 94, 3418-3426.	3.2	151
5	Liposome-Mediated <i>In Situ</i> Formation of Type-I Heterojunction for Amplified Photoelectrochemical Immunoassay. <i>Analytical Chemistry</i> , 2022, 94, 4859-4865.	3.2	176
6	Dopamine-Loaded Liposomes-Amplified Electrochemical Immunoassay Based on MXene ( $\text{Ti}_3\text{C}_2$ ) $\text{AuNPs}$ . <i>Electroanalysis</i> , 2022, 34, 1329-1337.	1.5	7
7	Biocatalysis-mediated MOF-to-prussian blue transformation enabling sensitive detection of NSCLC-associated miRNAs with dual-readout signals. <i>Biosensors and Bioelectronics</i> , 2022, 206, 114139.	5.3	28
8	Liposome-Embedded $\text{Cu}_2\text{S}$ / $\text{Ag}_2\text{S}$ Nanoparticle-Mediated Photothermal Immunoassay for Daily Monitoring of cTnI Protein Using a Portable Thermal Imager. <i>Analytical Chemistry</i> , 2022, 94, 7408-7416.	3.2	61
9	Size-Controlled Engineering Photoelectrochemical Biosensor for Human Papillomavirus-16 Based on CRISPR-Cas12a-Induced Disassembly of Z-Scheme Heterojunctions. <i>ACS Sensors</i> , 2022, 7, 1593-1601.	4.0	91
10	CRISPR-Cas12a-Derived Photoelectrochemical Biosensor for Point-Of-Care Diagnosis of Nucleic Acid. <i>Analytical Chemistry</i> , 2022, 94, 7442-7448.	3.2	196
11	Ratiometric fluorescence enzyme-linked immunosorbent assay based on carbon dots@ $\text{SiO}_2$ @ $\text{CdTe}$ quantum dots with dual functionalities for alpha-fetoprotein. <i>Analyst</i> , 2022, 147, 2851-2858.	1.7	5
12	Target-induced photocurrent-polarity-switching photoelectrochemical aptasensor with gold nanoparticle-ZnIn <sub>2</sub> S <sub>4</sub> nanohybrids for the quantification of 8-hydroxy-2 $\epsilon$ -deoxyguanosine. <i>Sensors and Actuators B: Chemical</i> , 2022, 368, 132141.	4.0	28
13	Photoelectrochemical bioanalysis of microRNA on yolk-in-shell Au@CdS based on the catalytic hairpin assembly-mediated CRISPR-Cas12a system. <i>Chemical Communications</i> , 2022, 58, 7562-7565.	2.2	71
14	Contactless Photoelectrochemical Biosensor Based on the Ultraviolet-Assisted Gas Sensing Interface of Three-Dimensional $\text{SnS}_2$ Nanosheets: From Mechanism Reveal to Practical Application. <i>Analytical Chemistry</i> , 2022, 94, 9487-9495.	3.2	78
15	Molecularly Imprinted Polymer Functionalized $\text{Bi}_2\text{S}_3/\text{Ti}_3\text{C}_2\text{TX}$ MXene Nanocomposites for Photoelectrochemical/Electrochemical Dual-Mode Sensing of Chlorogenic Acid. <i>Chemosensors</i> , 2022, 10, 252.	1.8	10
16	Integrated Photothermal-Pyroelectric Biosensor for Rapid and Point-of-Care Diagnosis of Acute Myocardial Infarction: A Convergence of Theoretical Research and Commercialization. <i>Small</i> , 2022, 18, .	5.2	28
17	CRISPR/Cas12a-based photoelectrochemical sensing of microRNA on reduced graphene oxide-anchored $\text{Bi}_2\text{WO}_6$ coupling with catalytic hairpin assembly. <i>Sensors and Actuators B: Chemical</i> , 2022, 369, 132307.	4.0	60
18	Horseradish peroxidase-encapsulated DNA nanoflowers: An innovative signal-generation tag for colorimetric biosensor. <i>Talanta</i> , 2021, 221, 121600.	2.9	47

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19	CRISPR-Cas12a-driven MXene-PEDOT:PSS piezoresistive wireless biosensor. <i>Nano Energy</i> , 2021, 82, 105711.	8.2	260
20	Highly sensitive fluorescent probe for selective detection of hypochlorite ions using nitrogen-fluorine co-doped carbon nanodots. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 250, 119231.	2.0	9
21	A portable thermal detection method based on the target responsive hydrogel mediated self-heating of a warming pad. <i>Chemical Communications</i> , 2021, 57, 9862-9865.	2.2	6
22	An ultrasensitive homogeneous electrochemical biosensor based on CRISPR-Cas12a. <i>Analytical Methods</i> , 2021, 13, 3227-3232.	1.3	20
23	Ferroelectric perovskite-enhanced photoelectrochemical immunoassay with the photoexcited charge-transfer of a built-in electric field. <i>Journal of Materials Chemistry C</i> , 2021, 9, 14351-14358.	2.7	15
24	Ultrasensitive fluorometric biosensor based on Ti <sub>3</sub> C <sub>2</sub> MXenes with Hg <sup>2+</sup> -triggered exonuclease III-assisted recycling amplification. <i>Analyst</i> , 2021, 146, 2664-2669.	1.7	55
25	Graphene-coated copper-doped ZnO quantum dots for sensitive photoelectrochemical bioanalysis of thrombin triggered by DNA nanoflowers. <i>Journal of Materials Chemistry B</i> , 2021, 9, 6818-6824.	2.9	25
26	Biocatalysis-induced formation of BiOBr/Bi <sub>2</sub> S <sub>3</sub> semiconductor heterostructures: A highly efficient strategy for establishing sensitive photoelectrochemical sensing system for organophosphorus pesticide detection. <i>Sensors and Actuators B: Chemical</i> , 2021, 331, 129451.	4.0	24
27	Double ion-exchange reaction-based photoelectrochemical immunoassay for sensitive detection of prostate-specific antigen. <i>Analytica Chimica Acta</i> , 2021, 1149, 338215.	2.6	26
28	In situ formation of (0 0 1)TiO <sub>2</sub> /Ti <sub>3</sub> C <sub>2</sub> heterojunctions for enhanced photoelectrochemical detection of dopamine. <i>Electrochemistry Communications</i> , 2021, 125, 106987.	2.3	31
29	Ultrasensitive zero-background photoelectrochemical biosensor for analysis of organophosphorus pesticide based on in situ formation of DNA-templated Ag <sub>2</sub> S photoactive materials. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 6279-6288.	1.9	11
30	Signal-on photoelectrochemical immunoassay mediated by the etching reaction of oxygen/phosphorus co-doped g-C <sub>3</sub> N <sub>4</sub> /AgBr/MnO <sub>2</sub> nanohybrids. <i>Analytica Chimica Acta</i> , 2021, 1171, 338680.	2.6	26
31	Recent advances in DNA walker machines and their applications coupled with signal amplification strategies: A critical review. <i>Analytica Chimica Acta</i> , 2021, 1171, 338523.	2.6	49
32	Chemiluminescence-Derived Self-Powered Photoelectrochemical Immunoassay for Detecting a Low-Abundance Disease-Related Protein. <i>Analytical Chemistry</i> , 2021, 93, 13389-13397.	3.2	118
33	Au Nanoparticle-Decorated ZnO Microflower-Based Immunoassay for Photoelectrochemical Detection of Human Prostate-Specific Antigen. <i>ACS Applied Nano Materials</i> , 2021, 4, 10943-10951.	2.4	24
34	Graded oxygen-doped CdS electrode for portable photoelectrochemical immunoassay of alpha-fetoprotein coupling with a digital multimeter readout. <i>Sensors and Actuators B: Chemical</i> , 2021, 343, 130136.	4.0	27
35	Versatile Synthesis of Hollow Metal Sulfides via Cation Exchange Reactions for Photocatalytic CO <sub>2</sub> Reduction. <i>Angewandte Chemie</i> , 2021, 133, 25259.	1.6	6
36	Digital multimeter-based point-of-care immunoassay of prostate-specific antigen coupling with a flexible photosensitive pressure sensor. <i>Sensors and Actuators B: Chemical</i> , 2021, 343, 130121.	4.0	23

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37	Pressure-Based Immunoassays with Versatile Electronic Sensors for Carcinoembryonic Antigen Detection. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 46440-46450.	4.0	34
38	Versatile Synthesis of Hollow Metal Sulfides via Reverse Cation Exchange Reactions for Photocatalytic CO <sub>2</sub> Reduction. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 25055-25062.	7.2	154
39	4-Nitrophenol-Loaded Magnetic Mesoporous Silica Hybrid Materials for Spectrometric Aptasensing of Carcinoembryonic Antigen. <i>Micromachines</i> , 2021, 12, 1138.	1.4	1
40	Persistent luminescence nanorods-based autofluorescence-free biosensor for prostate-specific antigen detection. <i>Talanta</i> , 2021, 233, 122563.	2.9	37
41	CRISPR/Cas12a-mediated liposome-amplified strategy for the photoelectrochemical detection of nucleic acid. <i>Chemical Communications</i> , 2021, 57, 8977-8980.	2.2	87
42	Ultrasensitive photoelectrochemical immunoassay for prostate-specific antigen based on silver nanoparticle-triggered ion-exchange reaction with ZnO/CdS nanorods. <i>Analyst, The</i> , 2021, 146, 4487-4494.	1.7	19
43	Pressure-Based Biosensor Integrated with a Flexible Pressure Sensor and an Electrochromic Device for Visual Detection. <i>Analytical Chemistry</i> , 2021, 93, 2916-2925.	3.2	181
44	A novel colorimetric immunoassay for sensitive monitoring of ochratoxin A based on an enzyme-controlled citrate-iron(III) chelating system. <i>New Journal of Chemistry</i> , 2021, 45, 11977-11982.	1.4	3
45	Morphology-Invariant Metallic Nanoparticles with Tunable Plasmonic Properties. <i>ACS Nano</i> , 2021, 15, 2428-2438.	7.3	44
46	Biomimetic -mineralized multifunctional nanoflowers for anodic-stripping voltammetric immunoassay of rehabilitation-related proteins. <i>Analyst, The</i> , 2021, 147, 80-86.	1.7	2
47	CoOOH nanosheets-coated g-C <sub>3</sub> N <sub>4</sub> /CuInS <sub>2</sub> nanohybrids for photoelectrochemical biosensor of carcinoembryonic antigen coupling hybridization reaction with etching reaction. <i>Sensors and Actuators B: Chemical</i> , 2020, 307, 127631.	4.0	185
48	Recent Advances in Photoelectrochemical Sensing: From Engineered Photoactive Materials to Sensing Devices and Detection Modes. <i>Analytical Chemistry</i> , 2020, 92, 363-377.	3.2	614
49	Full-spectrum responsive photoelectrochemical immunoassay based on $\text{In}_2\text{S}_3$ @carbon dot nanoflowers. <i>Electrochimica Acta</i> , 2020, 332, 135473.	2.6	40
50	ZIF-8-Assisted NaYF <sub>4</sub> :Yb,Tm@ZnO Converter with Exonuclease III-Powered DNA Walker for Near-Infrared Light Responsive Biosensor. <i>Analytical Chemistry</i> , 2020, 92, 1470-1476.	3.2	376
51	A polypyrrole-polydimethylsiloxane sponge-based compressible capacitance sensor with molecular recognition for point-of-care immunoassay. <i>Analyst, The</i> , 2020, 145, 7186-7190.	1.7	22
52	Rolling circle amplification promoted magneto-controlled photoelectrochemical biosensor for organophosphorus pesticides based on dissolution of core-shell MnO <sub>2</sub> nanoflower@CdS mediated by butyrylcholinesterase. <i>Mikrochimica Acta</i> , 2020, 187, 450.	2.5	26
53	Ultrasensitive split-type electrochemical sensing platform for sensitive determination of organophosphorus pesticides based on MnO <sub>2</sub> nanoflower-electron mediator as a signal transduction system. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 6939-6945.	1.9	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. <i>Analytica Chimica Acta</i> , 2020, 1136, 91-98.	2.6	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. <i>Analyst, The</i> , 2020, 145, 6111-6118.	1.7	20
56	Distance-dependent visual fluorescence immunoassay on CdTe quantum dot-impregnated paper through silver ion-exchange reaction. <i>Mikrochimica Acta</i> , 2020, 187, 563.	2.5	24
57	Platinum Nanozyme-Triggered Pressure-Based Immunoassay Using a Three-Dimensional Polypyrrole Foam-Based Flexible Pressure Sensor. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 40133-40140.	4.0	123
58	Single-atom platinum nanocatalyst-improved catalytic efficiency with enzyme-DNA supermolecular architectures. <i>Nano Energy</i> , 2020, 74, 104931.	8.2	103
59	Magnetic bead-based photoelectrochemical immunoassay for sensitive detection of carcinoembryonic antigen using hollow cadmium sulfide. <i>Talanta</i> , 2020, 219, 121215.	2.9	44
60	Selective determination of 2,4,6-trinitrophenol by using a novel carbon nanoparticles as a fluorescent probe in real sample. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 3083-3090.	1.9	14
61	Actuating photoelectrochemical sensing sensitivity coupling core-core-shell Fe <sub>3</sub> O <sub>4</sub> @C@TiO <sub>2</sub> with molecularly imprinted polypyrrole. <i>Talanta</i> , 2020, 219, 121341.	2.9	47
62	Biometric-based tactile chemomechanical transduction: An adaptable strategy for portable bioassay. <i>Nano Energy</i> , 2020, 71, 104580.	8.2	45
63	Nanostructure-based photoelectrochemical sensing platforms for biomedical applications. <i>Journal of Materials Chemistry B</i> , 2020, 8, 2541-2561.	2.9	103
64	Enzyme-encapsulated DNA Hydrogel for Highly Efficient Electrochemical Sensing Glucose. <i>ChemElectroChem</i> , 2020, 7, 1537-1541.	1.7	39
65	A novel colorimetric immunoassay based on enzyme-regulated instant generation of Turnbull's blue for the sensitive determination of ochratoxin A. <i>Analyst, The</i> , 2020, 145, 2420-2424.	1.7	8
66	Plasmonic enhanced photoelectrochemical aptasensor with D-A F8BT/g-C <sub>3</sub> N <sub>4</sub> heterojunction and AuNPs on a 3D-printed device. <i>Sensors and Actuators B: Chemical</i> , 2020, 310, 127874.	4.0	78
67	Self-Powered Temperature Sensor with Seebeck Effect Transduction for Photothermal-thermoelectric Coupled Immunoassay. <i>Analytical Chemistry</i> , 2020, 92, 2809-2814.	3.2	214
68	Recent advances in photoelectrochemical biosensors for analysis of mycotoxins in food. <i>TrAC - Trends in Analytical Chemistry</i> , 2020, 124, 115814.	5.8	276
69	<i>In situ</i> amplified photothermal immunoassay for neuron-specific enolase with enhanced sensitivity using Prussian blue nanoparticle-loaded liposomes. <i>Analyst, The</i> , 2020, 145, 4164-4172.	1.7	18
70	Pressure-Based Bioassay Perceived by a Flexible Pressure Sensor with Synergistic Enhancement of the Photothermal Effect. <i>ACS Applied Bio Materials</i> , 2020, 3, 9156-9163.	2.3	37
71	2D metal chalcogenides with surfaces fully covered with an organic promoter for high-performance biomimetic catalysis. <i>Chemical Communications</i> , 2019, 55, 10444-10447.	2.2	19
72	Ti <sub>3</sub> C <sub>2</sub> MXene quantum dot-encapsulated liposomes for photothermal immunoassays using a portable near-infrared imaging camera on a smartphone. <i>Nanoscale</i> , 2019, 11, 15659-15667.	2.8	209

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73	Saw-Toothed Microstructure-Based Flexible Pressure Sensor as the Signal Readout for Point-of-Care Immunoassay. <i>ACS Sensors</i> , 2019, 4, 2272-2276.	4.0	91
74	A three-dimensional DNA walker amplified FRET sensor for detection of telomerase activity based on the MnO <sub>2</sub> nanosheet-upconversion nanoparticle sensing platform. <i>Chemical Communications</i> , 2019, 55, 9857-9860.	2.2	53
75	Photoelectrochemical immunoassay of aflatoxin B <sub>1</sub> in foodstuff based on amorphous TiO <sub>2</sub> and CsPbBr <sub>3</sub> perovskite nanocrystals. <i>Analyst, The</i> , 2019, 144, 4880-4886.	1.7	49
76	Novel 3D Printed Device for Dual-Signaling Ratiometric Photoelectrochemical Readout of Biomarker Using Exonuclease-Assisted Recycling Amplification. <i>Analytical Chemistry</i> , 2019, 91, 10049-10055.	3.2	62
77	Ti <sub>3</sub> C <sub>2</sub> MXene nanosheet-based capacitance immunoassay with tyramine-enzyme repeats to detect prostate-specific antigen on interdigitated micro-comb electrode. <i>Electrochimica Acta</i> , 2019, 319, 375-381.	2.6	77
78	H <sub>2</sub> -Based Electrochemical Biosensor with Pd Nanowires@ZIF-67 Molecular Sieve Bilayered Sensing Interface for Immunoassay. <i>Analytical Chemistry</i> , 2019, 91, 12055-12062.	3.2	140
79	A surface plasmon resonance enhanced photoelectrochemical immunoassay based on perovskite metal oxide@gold nanoparticle heterostructures. <i>Analyst, The</i> , 2019, 144, 5717-5723.	1.7	24
80	A 3D printing-based portable photoelectrochemical sensing device using a digital multimeter. <i>Analyst, The</i> , 2019, 144, 5389-5393.	1.7	13
81	Palindromic Fragment-Mediated Single-Chain Amplification: An Innovative Mode for Photoelectrochemical Bioassay. <i>Analytical Chemistry</i> , 2019, 91, 7835-7841.	3.2	85
82	Ambient electrochemical N <sub>2</sub> reduction to NH <sub>3</sub> under alkaline conditions enabled by a layered K <sub>2</sub> Ti <sub>4</sub> O <sub>9</sub> nanobelt. <i>Chemical Communications</i> , 2019, 55, 7546-7549.	2.2	16
83	Electrocatalytic N <sub>2</sub> -to-NH <sub>3</sub> conversion using oxygen-doped graphene: experimental and theoretical studies. <i>Chemical Communications</i> , 2019, 55, 7502-7505.	2.2	78
84	A perovskite La <sub>2</sub> Ti <sub>2</sub> O <sub>7</sub> nanosheet as an efficient electrocatalyst for artificial N <sub>2</sub> fixation to NH <sub>3</sub> in acidic media. <i>Chemical Communications</i> , 2019, 55, 6401-6404.	2.2	74
85	A new visual immunoassay for prostate-specific antigen using near-infrared excited Cu <sub>x</sub> S nanocrystals and imaging on a smartphone. <i>Analyst, The</i> , 2019, 144, 3716-3720.	1.7	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. <i>Mikrochimica Acta</i> , 2019, 186, 318.	2.5	29
87	All-solid-state metal-mediated Z-scheme photoelectrochemical immunoassay with enhanced photoexcited charge-separation for monitoring of prostate-specific antigen. <i>Biosensors and Bioelectronics</i> , 2019, 134, 1-7.	5.3	62
88	Photoelectrochemical bioanalysis of antibiotics on rGO-Bi <sub>2</sub> WO <sub>6</sub> -Au based on branched hybridization chain reaction. <i>Biosensors and Bioelectronics</i> , 2019, 133, 100-106.	5.3	121
89	Branched Polyethylenimine-Modified Upconversion Nanohybrid-Mediated Photoelectrochemical Immunoassay with Synergistic Effect of Dual-Purpose Copper Ions. <i>Analytical Chemistry</i> , 2019, 91, 4149-4156.	3.2	204
90	A chemiresistive thin-film translating biological recognition into electrical signals: an innovative signaling mode for contactless biosensing. <i>Chemical Communications</i> , 2019, 55, 3262-3265.	2.2	25

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91	Paper Electrode-Based Flexible Pressure Sensor for Point-of-Care Immunoassay with Digital Multimeter. <i>Analytical Chemistry</i> , 2019, 91, 1222-1226.	3.2	278
92	Palindromic Molecular Beacon Based Z-Scheme BiOCl-Au-CdS Photoelectrochemical Biodetection. <i>Analytical Chemistry</i> , 2019, 91, 2447-2454.	3.2	318
93	Etching reaction-based photoelectrochemical immunoassay of aflatoxin B1 in foodstuff using cobalt oxyhydroxide nanosheets-coating cadmium sulfide nanoparticles as the signal tags. <i>Analytica Chimica Acta</i> , 2019, 1052, 49-56.	2.6	47
94	Dual-Channel Photoelectrochemical Ratiometric Aptasensor with up-Converting Nanocrystals Using Spatial-Resolved Technique on Homemade 3D Printed Device. <i>Analytical Chemistry</i> , 2019, 91, 1260-1268.	3.2	250
95	Exciton-Plasmon Interaction between AuNPs/Graphene Nanohybrids and CdS Quantum Dots/TiO <sub>2</sub> for Photoelectrochemical Aptasensing of Prostate-Specific Antigen. <i>ACS Sensors</i> , 2018, 3, 632-639.	4.0	277
96	Novel photoluminescence enzyme immunoassay based on supramolecular host-guest recognition using L-arginine/6-aza-2-thiothymine-stabilized gold nanocluster. <i>Biosensors and Bioelectronics</i> , 2018, 109, 70-74.	5.3	24
97	Metal sulfide quantum dots-aggregated PAMAM dendrimer for cadmium ion-selective electrode-based immunoassay of alpha-fetoprotein. <i>Science China Chemistry</i> , 2018, 61, 750-756.	4.2	27
98	Glucose-loaded liposomes for amplified colorimetric immunoassay of streptomycin based on enzyme-induced iron(II) chelation reaction with phenanthroline. <i>Sensors and Actuators B: Chemical</i> , 2018, 265, 174-181.	4.0	101
99	Plasmonic Enhancement Coupling with Defect-Engineered TiO <sub>2</sub> : A Mode for Sensitive Photoelectrochemical Biosensing. <i>Analytical Chemistry</i> , 2018, 90, 2425-2429.	3.2	208
100	Two-dimensional MoS <sub>2</sub> as a nano-binder for ssDNA: Ultrasensitive aptamer based amperometric detection of Ochratoxin A. <i>Mikrochimica Acta</i> , 2018, 185, 162.	2.5	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 MnO <sub>2</sub> based nanocatalyst. <i>Mikrochimica Acta</i> , 2018, 185, 92.	2.5	32
102	Liposome-amplified photoelectrochemical immunoassay for highly sensitive monitoring of disease biomarkers based on a split-type strategy. <i>Biosensors and Bioelectronics</i> , 2018, 99, 230-236.	5.3	75
103	Bio-bar-code-based photoelectrochemical immunoassay for sensitive detection of prostate-specific antigen using rolling circle amplification and enzymatic biocatalytic precipitation. <i>Biosensors and Bioelectronics</i> , 2018, 101, 159-166.	5.3	241
104	Reduced graphene oxide/BiFeO <sub>3</sub> nanohybrids-based signal-on photoelectrochemical sensing system for prostate-specific antigen detection coupling with magnetic microfluidic device. <i>Biosensors and Bioelectronics</i> , 2018, 101, 146-152.	5.3	246
105	Near-Infrared-to-Ultraviolet Light-Mediated Photoelectrochemical Aptasensing Platform for Cancer Biomarker Based on Core-Shell NaYF <sub>4</sub> :Yb,Tm@TiO <sub>2</sub> Upconversion Microrods. <i>Analytical Chemistry</i> , 2018, 90, 1021-1028.	3.2	321
106	Facile and feasible conductometric immunoanalytical assay for alpha-fetoprotein using platinum-functionalized graphitic carbon nitride nanosheets. <i>Analytical Methods</i> , 2018, 10, 4886-4893.	1.3	7
107	Dual-readout aptasensing of antibiotic residues based on gold nanocluster-functionalized MnO <sub>2</sub> nanosheets with target-induced etching reaction. <i>Journal of Materials Chemistry B</i> , 2018, 6, 8071-8077.	2.9	61
108	Wet NH <sub>3</sub> -Triggered NH <sub>2</sub> -MIL-125(Ti) Structural Switch for Visible Fluorescence Immunoassay Impregnated on Paper. <i>Analytical Chemistry</i> , 2018, 90, 14121-14125.	3.2	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. <i>Mikrochimica Acta</i> , 2018, 185, 569.	2.5	16
110	Carbon dots prepared from <i>Litchi chinensis</i> and modified with manganese dioxide nanosheets for use in a competitive fluorometric immunoassay for aflatoxin B1. <i>Mikrochimica Acta</i> , 2018, 185, 476.	2.5	49
111	Graphene oxide-gated mesoporous silica nanocontainers using aptamers for arsenite detection with glucometer readout. <i>Journal of Materials Chemistry B</i> , 2018, 6, 6585-6591.	2.9	23
112	Platinum Nanozyme-Catalyzed Gas Generation for Pressure-Based Bioassay Using Polyaniline Nanowires-Functionalized Graphene Oxide Framework. <i>Analytical Chemistry</i> , 2018, 90, 12299-12306.	3.2	271
113	NaYF <sub>4</sub> :Yb,Er Upconversion Nanotransducer with in Situ Fabrication of Ag <sub>2</sub> S for Near-Infrared Light Responsive Photoelectrochemical Biosensor. <i>Analytical Chemistry</i> , 2018, 90, 12214-12220.	3.2	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. <i>Analyst</i> , The, 2018, 143, 2992-2996.	1.7	50
115	Double Photosystems-Based Z-Scheme™ Photoelectrochemical Sensing Mode for Ultrasensitive Detection of Disease Biomarker Accompanying Three-Dimensional DNA Walker. <i>Analytical Chemistry</i> , 2018, 90, 7086-7093.	3.2	259
116	Near-Infrared Light-Excited Core-Shell UCNP@Au@CdS Upconversion Nanospheres for Ultrasensitive Photoelectrochemical Enzyme Immunoassay. <i>Analytical Chemistry</i> , 2018, 90, 9568-9575.	3.2	267
117	Photoelectrochemical biosensing of disease marker on p-type Cu-doped Zn <sub>0.3</sub> Cd <sub>0.7</sub> S based on RCA and exonuclease III amplification. <i>Biosensors and Bioelectronics</i> , 2018, 117, 590-596.	5.3	60
118	Self-Referenced Smartphone Imaging for Visual Screening of H <sub>2</sub> S Using Cu <sub>x</sub> O-Polypyrrole Conductive Aerogel Doped with Graphene Oxide Framework. <i>Analytical Chemistry</i> , 2018, 90, 9691-9694.	3.2	125
119	Ultrasensitive and label-free electrochemical aptasensor of kanamycin coupling with hybridization chain reaction and strand-displacement amplification. <i>Analytica Chimica Acta</i> , 2018, 1038, 21-28.	2.6	66
120	Novel quartz crystal microbalance immunodetection of aflatoxin B1 coupling cargo-encapsulated liposome with indicator-triggered displacement assay. <i>Analytica Chimica Acta</i> , 2018, 1031, 161-168.	2.6	34
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125	Enzyme-controlled dissolution of MnO <sub>2</sub> nanoflakes with enzyme cascade amplification for colorimetric immunoassay. <i>Biosensors and Bioelectronics</i> , 2017, 89, 645-651.	5.3	162
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129	Facile Colorimetric Detection of Silver Ions with Picomolar Sensitivity. <i>Analytical Chemistry</i> , 2017, 89, 3622-3629.	3.2	98
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