Dianping Tang

List of Publications by Year in Descending Order

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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.

255 papers	15,789 citations	72 h-index	113 g-index
269 ext. papers	19,368 ext. citations	7.2 avg, IF	7.7 L-index

#	Paper	IF	Citations
255	Bioinspired Self-Powered Piezoresistive Sensors for Simultaneous Monitoring of Human Health and Outdoor UV Light Intensity.. *ACS Applied Materials & Interfaces*, **2022**,	9.5	3
254	Exploiting Photoelectric Activities and Piezoelectric Properties of NaNbO Semiconductors for Point-of-Care Immunoassay.. *Analytical Chemistry*, **2022**,	7.8	22
253	Liposome-Mediated Formation of Type-I Heterojunction for Amplified Photoelectrochemical Immunoassay.. *Analytical Chemistry*, **2022**,	7.8	26
252	Biocatalysis-mediated MOF-to-prussian blue transformation enabling sensitive detection of NSCLC-associated miRNAs with dual-readout signals.. *Biosensors and Bioelectronics*, **2022**, 206, 114139	11.8	2
251	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	8.5	2
250	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	8.5	11
249	Double ion-exchange reaction-based photoelectrochemical immunoassay for sensitive detection of prostate-specific antigen. *Analytica Chimica Acta*, **2021**, 1149, 338215	6.6	17
248	In situ formation of (0 0 1)TiO2/Ti3C2 heterojunctions for enhanced photoelectrochemical detection of dopamine. *Electrochemistry Communications*, **2021**, 125, 106987	5.1	13
247	Horseradish peroxidase-encapsulated DNA nanoflowers: An innovative signal-generation tag for colorimetric biosensor. *Talanta*, **2021**, 221, 121600	6.2	19
246	CRISPR-Cas12a-driven MXene-PEDOT:PSS piezoresistive wireless biosensor. *Nano Energy*, **2021**, 82, 105711	17.1	97
245	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	4.4	2
244	A portable thermal detection method based on the target responsive hydrogel mediated self-heating of a warming pad. *Chemical Communications*, **2021**, 57, 9862-9865	5.8	1
243	An ultrasensitive homogeneous electrochemical biosensor based on CRISPR-Cas12a. *Analytical Methods*, **2021**, 13, 3227-3232	3.2	3
242	Ultrasensitive fluorometric biosensor based on TiC MXenes with Hg-triggered exonuclease III-assisted recycling amplification. *Analyst, The*, **2021**, 146, 2664-2669	5	15
241	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	7.3	5
240	Ultrasensitive zero-background photoelectrochemical biosensor for analysis of organophosphorus pesticide based on in situ formation of DNA-templated AgS photoactive materials. *Analytical and Bioanalytical Chemistry*, **2021**, 413, 6279-6288	4.4	2
239	Signal-on photoelectrochemical immunoassay mediated by the etching reaction of oxygen/phosphorus co-doped g-CN/AgBr/MnO nanohybrids. *Analytica Chimica Acta*, **2021**, 1171, 338680	6.6	12

238	Recent advances in DNA walker machines and their applications coupled with signal amplification strategies: A critical review. *Analytica Chimica Acta*, **2021**, 1171, 338523	6.6	12
237	Chemiluminescence-Derived Self-Powered Photoelectrochemical Immunoassay for Detecting a Low-Abundance Disease-Related Protein. *Analytical Chemistry*, **2021**, 93, 13389-13397	7.8	29
236	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	8.5	10
235	Versatile Synthesis of Hollow Metal Sulfides via Reverse Cation Exchange Reactions for Photocatalytic CO2 Reduction. *Angewandte Chemie*, **2021**, 133, 25259	3.6	0
234	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	8.5	10
233	Pressure-Based Immunoassays with Versatile Electronic Sensors for Carcinoembryonic Antigen Detection. *ACS Applied Materials & Interfaces*, **2021**, 13, 46440-46450	9.5	6
232	Versatile Synthesis of Hollow Metal Sulfides via Reverse Cation Exchange Reactions for Photocatalytic CO Reduction. *Angewandte Chemie - International Edition*, **2021**, 60, 25055-25062	16.4	31
231	Persistent luminescence nanorods-based autofluorescence-free biosensor for prostate-specific antigen detection. *Talanta*, **2021**, 233, 122563	6.2	9
230	CRISPR/Cas12a-mediated liposome-amplified strategy for the photoelectrochemical detection of nucleic acid. *Chemical Communications*, **2021**, 57, 8977-8980	5.8	21
229	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	5	4
228	Pressure-Based Biosensor Integrated with a Flexible Pressure Sensor and an Electrochromic Device for Visual Detection. *Analytical Chemistry*, **2021**, 93, 2916-2925	7.8	78
227	A novel colorimetric immunoassay for sensitive monitoring of ochratoxin A based on an enzyme-controlled citrate-iron(III) chelating system. *New Journal of Chemistry*, **2021**, 45, 11977-11982	3.6	0
226	Morphology-Invariant Metallic Nanoparticles with Tunable Plasmonic Properties. *ACS Nano*, **2021**, 15, 2428-2438	16.7	18
225	Single-atom platinum nanocatalyst-improved catalytic efficiency with enzyme-DNA supermolecular architectures. *Nano Energy*, **2020**, 74, 104931	17.1	45
224	Magnetic bead-based photoelectrochemical immunoassay for sensitive detection of carcinoembryonic antigen using hollow cadmium sulfide. *Talanta*, **2020**, 219, 121215	6.2	22
223	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	4.4	8
222	Actuating photoelectrochemical sensing sensitivity coupling core-core-shell FeO@C@TiO with molecularly imprinted polypyrrole. *Talanta*, **2020**, 219, 121341	6.2	22
221	Biometric-based tactile chemomechanical transduction: An adaptable strategy for portable bioassay. *Nano Energy*, **2020**, 71, 104580	17.1	28

220	Nanostructure-based photoelectrochemical sensing platforms for biomedical applications. *Journal of Materials Chemistry B*, **2020**, 8, 2541-2561	7.3	47
219	Enzyme-Encapsulated DNA Hydrogel for Highly Efficient Electrochemical Sensing Glucose. *ChemElectroChem*, **2020**, 7, 1537-1541	4.3	19
218	A novel colorimetric immunoassay based on enzyme-regulated instant generation of Turnbull blue for the sensitive determination of ochratoxin A. *Analyst, The*, **2020**, 145, 2420-2424	5	4
217	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	8.5	43
216	Self-Powered Temperature Sensor with Seebeck Effect Transduction for Photothermal-Thermoelectric Coupled Immunoassay. *Analytical Chemistry*, **2020**, 92, 2809-2814	7.8	114
215	Recent advances in photoelectrochemical biosensors for analysis of mycotoxins in food. *TrAC - Trends in Analytical Chemistry*, **2020**, 124, 115814	14.6	147
214	Pressure-Based Bioassay Perceived by a Flexible Pressure Sensor with Synergistic Enhancement of the Photothermal Effect.. *ACS Applied Bio Materials*, **2020**, 3, 9156-9163	4.1	17
213	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	8.5	99
212	Recent Advances in Photoelectrochemical Sensing: From Engineered Photoactive Materials to Sensing Devices and Detection Modes. *Analytical Chemistry*, **2020**, 92, 363-377	7.8	317
211	Full-spectrum responsive photoelectrochemical immunoassay based on In2S3@carbon dot nanoflowers. *Electrochimica Acta*, **2020**, 332, 135473	6.7	25
210	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	7.8	206
209	A polypyrrole-polydimethylsiloxane sponge-based compressible capacitance sensor with molecular recognition for point-of-care immunoassay. *Analyst, The*, **2020**, 145, 7186-7190	5	16
208	Rolling circle amplification promoted magneto-controlled photoelectrochemical biosensor for organophosphorus pesticides based on dissolution of core-shell MnO nanoflower@CdS mediated by butyrylcholinesterase. *Mikrochimica Acta*, **2020**, 187, 450	5.8	9
207	Ultrasensitive split-type electrochemical sensing platform for sensitive determination of organophosphorus pesticides based on MnO nanoflower-electron mediator as a signal transduction system. *Analytical and Bioanalytical Chemistry*, **2020**, 412, 6939-6945	4.4	10
206	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	6.6	10
205	amplified QCM immunoassay for carcinoembryonic antigen with colorectal cancer using horseradish peroxidase nanospheres and enzymatic biocatalytic precipitation. *Analyst, The*, **2020**, 145, 6111-6118	5	12
204	Distance-dependent visual fluorescence immunoassay on CdTe quantum dot-impregnated paper through silver ion-exchange reaction. *Mikrochimica Acta*, **2020**, 187, 563	5.8	15
203	Platinum Nanozyme-Triggered Pressure-Based Immunoassay Using a Three-Dimensional Polypyrrole Foam-Based Flexible Pressure Sensor. *ACS Applied Materials & Interfaces*, **2020**, 12, 40133-40140	9.5	56

202	In situ amplified photothermal immunoassay for neuron-specific enolase with enhanced sensitivity using Prussian blue nanoparticle-loaded liposomes. *Analyst, The*, **2020**, 145, 4164-4172	5	12
201	H-Based Electrochemical Biosensor with Pd Nanowires@ZIF-67 Molecular Sieve Bilayered Sensing Interface for Immunoassay. *Analytical Chemistry*, **2019**, 91, 12055-12062	7.8	52
200	A surface plasmon resonance enhanced photoelectrochemical immunoassay based on perovskite metal oxide@gold nanoparticle heterostructures. *Analyst, The*, **2019**, 144, 5717-5723	5	20
199	A 3D printing-based portable photoelectrochemical sensing device using a digital multimeter. *Analyst, The*, **2019**, 144, 5389-5393	5	7
198	Palindromic Fragment-Mediated Single-Chain Amplification: An Innovative Mode for Photoelectrochemical Bioassay. *Analytical Chemistry*, **2019**, 91, 7835-7841	7.8	38
197	Ambient electrochemical N reduction to NH under alkaline conditions enabled by a layered KTiO nanobelt. *Chemical Communications*, **2019**, 55, 7546-7549	5.8	10
196	Electrocatalytic N-to-NH conversion using oxygen-doped graphene: experimental and theoretical studies. *Chemical Communications*, **2019**, 55, 7502-7505	5.8	63
195	A perovskite LaTiO nanosheet as an efficient electrocatalyst for artificial N fixation to NH in acidic media. *Chemical Communications*, **2019**, 55, 6401-6404	5.8	58
194	A new visual immunoassay for prostate-specific antigen using near-infrared excited CuS nanocrystals and imaging on a smartphone. *Analyst, The*, **2019**, 144, 3716-3720	5	22
193	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	5.8	23
192	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	11.8	49
191	Photoelectrochemical bioanalysis of antibiotics on rGO-BiWO-Au based on branched hybridization chain reaction. *Biosensors and Bioelectronics*, **2019**, 133, 100-106	11.8	69
190	Branched Polyethylenimine-Modified Upconversion Nanohybrid-Mediated Photoelectrochemical Immunoassay with Synergistic Effect of Dual-Purpose Copper Ions. *Analytical Chemistry*, **2019**, 91, 4149-4156	7.8	135
189	2D metal chalcogenides with surfaces fully covered with an organic "promoter" for high-performance biomimetic catalysis. *Chemical Communications*, **2019**, 55, 10444-10447	5.8	9
188	TiC MXene quantum dot-encapsulated liposomes for photothermal immunoassays using a portable near-infrared imaging camera on a smartphone. *Nanoscale*, **2019**, 11, 15659-15667	7.7	104
187	Saw-Toothed Microstructure-Based Flexible Pressure Sensor as the Signal Readout for Point-of-Care Immunoassay. *ACS Sensors*, **2019**, 4, 2272-2276	9.2	59
186	A three-dimensional DNA walker amplified FRET sensor for detection of telomerase activity based on the MnO nanosheet-upconversion nanoparticle sensing platform. *Chemical Communications*, **2019**, 55, 9857-9860	5.8	36
185	Photoelectrochemical immunoassay of aflatoxin B in foodstuff based on amorphous TiO and CsPbBr perovskite nanocrystals. *Analyst, The*, **2019**, 144, 4880-4886	5	21

184	Novel 3D Printed Device for Dual-Signaling Ratiometric Photoelectrochemical Readout of Biomarker Using Exonuclease-Assisted Recycling Amplification. *Analytical Chemistry*, **2019**, 91, 10049-10055	7.8	34
183	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	6.7	50
182	A chemiresistive thin-film translating biological recognition into electrical signals: an innovative signaling mode for contactless biosensing. *Chemical Communications*, **2019**, 55, 3262-3265	5.8	19
181	Paper Electrode-Based Flexible Pressure Sensor for Point-of-Care Immunoassay with Digital Multimeter. *Analytical Chemistry*, **2019**, 91, 1222-1226	7.8	201
180	Palindromic Molecular Beacon Based Z-Scheme BiOCl-Au-CdS Photoelectrochemical Biodetection. *Analytical Chemistry*, **2019**, 91, 2447-2454	7.8	211
179	Etching reaction-based photoelectrochemical immunoassay of aflatoxin B in foodstuff using cobalt oxyhydroxide nanosheets-coating cadmium sulfide nanoparticles as the signal tags. *Analytica Chimica Acta*, **2019**, 1052, 49-56	6.6	22
178	Dual-Channel Photoelectrochemical Ratiometric Aptasensor with up-Converting Nanocrystals Using Spatial-Resolved Technique on Homemade 3D Printed Device. *Analytical Chemistry*, **2019**, 91, 1260-1268	7.8	156
177	Exciton-Plasmon Interaction between AuNPs/Graphene Nanohybrids and CdS Quantum Dots/TiO for Photoelectrochemical Aptasensing of Prostate-Specific Antigen. *ACS Sensors*, **2018**, 3, 632-639	9.2	173
176	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	11.8	19
175	Metal sulfide quantum dots-aggregated PAMAM dendrimer for cadmium ion-selective electrode-based immunoassay of alpha-fetoprotein. *Science China Chemistry*, **2018**, 61, 750-756	7.9	17
174	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	8.5	84
173	Plasmonic Enhancement Coupling with Defect-Engineered TiO: A Mode for Sensitive Photoelectrochemical Biosensing. *Analytical Chemistry*, **2018**, 90, 2425-2429	7.8	161
172	Two-dimensional MoS as a nano-binder for ssDNA: Ultrasensitive aptamer based amperometric detection of Ochratoxin A. *Mikrochimica Acta*, **2018**, 185, 162	5.8	34
171	A conventional chemical reaction for use in an unconventional assay: A colorimetric immunoassay for aflatoxin B by using enzyme-responsive just-in-time generation of a MnO based nanocatalyst. *Mikrochimica Acta*, **2018**, 185, 92	5.8	24
170	Liposome-amplified photoelectrochemical immunoassay for highly sensitive monitoring of disease biomarkers based on a split-type strategy. *Biosensors and Bioelectronics*, **2018**, 99, 230-236	11.8	54
169	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	11.8	180
168	Reduced graphene oxide/BiFeO nanohybrids-based signal-on photoelectrochemical sensing system for prostate-specific antigen detection coupling with magnetic microfluidic device. *Biosensors and Bioelectronics*, **2018**, 101, 146-152	11.8	173
167	Self-Referenced Smartphone Imaging for Visual Screening of HS Using Cu O-Polypyrrole Conductive Aerogel Doped with Graphene Oxide Framework. *Analytical Chemistry*, **2018**, 90, 9691-9694	7.8	85

166	Ultrasensitive and label-free electrochemical aptasensor of kanamycin coupling with hybridization chain reaction and strand-displacement amplification. *Analytica Chimica Acta*, **2018**, 1038, 21-28	6.6	40
165	Novel quartz crystal microbalance immunodetection of aflatoxin B coupling cargo-encapsulated liposome with indicator-triggered displacement assay. *Analytica Chimica Acta*, **2018**, 1031, 161-168	6.6	27
164	Metal-Polydopamine Framework: An Innovative Signal-Generation Tag for Colorimetric Immunoassay. *Analytical Chemistry*, **2018**, 90, 11099-11105	7.8	182
163	Liposome-coated mesoporous silica nanoparticles loaded with L-cysteine for photoelectrochemical immunoassay of aflatoxin B. *Mikrochimica Acta*, **2018**, 185, 311	5.8	39
162	Plasmonic resonance enhanced photoelectrochemical aptasensors based on g-CN/BiMoO. *Chemical Communications*, **2018**, 54, 7199-7202	5.8	47
161	Near-Infrared-to-Ultraviolet Light-Mediated Photoelectrochemical Aptasensing Platform for Cancer Biomarker Based on Core-Shell NaYF:Yb,Tm@TiO Upconversion Microrods. *Analytical Chemistry*, **2018**, 90, 1021-1028	7.8	245
160	Facile and feasible conductometric immunoanalytical assay for alpha-fetoprotein using platinum-functionalized graphitic carbon nitride nanosheets. *Analytical Methods*, **2018**, 10, 4886-4893	3.2	6
159	Dual-readout aptasensing of antibiotic residues based on gold nanocluster-functionalized MnO nanosheets with target-induced etching reaction. *Journal of Materials Chemistry B*, **2018**, 6, 8071-8077	7.3	34
158	Wet NH-Triggered NH-MIL-125(Ti) Structural Switch for Visible Fluorescence Immunoassay Impregnated on Paper. *Analytical Chemistry*, **2018**, 90, 14121-14125	7.8	90
157	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	5.8	12
156	Carbon dots prepared from Litchi chinensis and modified with manganese dioxide nanosheets for use in a competitive fluorometric immunoassay for aflatoxin B. *Mikrochimica Acta*, **2018**, 185, 476	5.8	27
155	Graphene oxide-gated mesoporous silica nanocontainers using aptamers for arsenite detection with glucometer readout. *Journal of Materials Chemistry B*, **2018**, 6, 6585-6591	7.3	18
154	Platinum Nanozyme-Catalyzed Gas Generation for Pressure-Based Bioassay Using Polyaniline Nanowires-Functionalized Graphene Oxide Framework. *Analytical Chemistry*, **2018**, 90, 12299-12306	7.8	173
153	NaYF:Yb,Er Upconversion Nanotransducer with in Situ Fabrication of AgS for Near-Infrared Light Responsive Photoelectrochemical Biosensor. *Analytical Chemistry*, **2018**, 90, 12214-12220	7.8	86
152	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	5	33
151	Double Photosystems-Based Ø-SchemeÙPhotoelectrochemical Sensing Mode for Ultrasensitive Detection of Disease Biomarker Accompanying Three-Dimensional DNA Walker. *Analytical Chemistry*, **2018**, 90, 7086-7093	7.8	181
150	Near-Infrared Light-Excited Core-Core-Shell UCNP@Au@CdS Upconversion Nanospheres for Ultrasensitive Photoelectrochemical Enzyme Immunoassay. *Analytical Chemistry*, **2018**, 90, 9568-9575	7.8	179
149	Photoelectrochemical biosensing of disease marker on p-type Cu-doped ZnCdS based on RCA and exonuclease III amplification. *Biosensors and Bioelectronics*, **2018**, 117, 590-596	11.8	45

148	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	11.8	104
147	Enzyme-controlled dissolution of MnO nanoflakes with enzyme cascade amplification for colorimetric immunoassay. *Biosensors and Bioelectronics*, **2017**, 89, 645-651	11.8	127
146	Enzyme-free amperometric glucose sensor using a glassy carbon electrode modified with poly(vinyl butyral) incorporating a hybrid nanostructure composed of molybdenum disulfide and copper sulfide. *Mikrochimica Acta*, **2017**, 184, 807-814	5.8	30
145	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	5.8	37
144	Polyion oligonucleotide-decorated gold nanoparticles with tunable surface charge density for amplified signal output of potentiometric immunosensor. *Analytica Chimica Acta*, **2017**, 964, 67-73	6.6	40
143	Facile Colorimetric Detection of Silver Ions with Picomolar Sensitivity. *Analytical Chemistry*, **2017**, 89, 3622-3629	7.8	72
142	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	5	65
141	CdS:Mn quantum dot-functionalized g-CN 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	11.8	161
140	In-situ amplified voltammetric immunoassay for ochratoxin A by coupling a platinum nanocatalyst based enhancement to a redox cycling process promoted by an enzyme mimic. *Mikrochimica Acta*, **2017**, 184, 2445-2453	5.8	22
139	Signal-On Photoelectrochemical Immunoassay for Aflatoxin B Based on Enzymatic Product-Etching MnO Nanosheets for Dissociation of Carbon Dots. *Analytical Chemistry*, **2017**, 89, 5637-5645	7.8	266
138	Competitive photometric and visual ELISA for aflatoxin B1 based on the inhibition of the oxidation of ABTS. *Mikrochimica Acta*, **2017**, 184, 2387-2394	5.8	17
137	Novel photoelectrochemical immunosensor for disease-related protein assisted by hemin/G-quadruplex-based DNAzyme on gold nanoparticles to enhance cathodic photocurrent on p-CuBiO semiconductor. *Biosensors and Bioelectronics*, **2017**, 96, 317-323	11.8	80
136	Eggshell membrane-templated synthesis of 3D hierarchical porous Au networks for electrochemical nonenzymatic glucose sensor. *Biosensors and Bioelectronics*, **2017**, 96, 26-32	11.8	123
135	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	11.8	56
134	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	7.3	10
133	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	7.8	285
132	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	7.3	68
131	Cu-Doped SnO Nanograin/Polypyrrole Nanospheres with Synergic Enhanced Properties for Ultrasensitive Room-Temperature HS Gas Sensing. *Analytical Chemistry*, **2017**, 89, 11135-11142	7.8	92

130	In situ synthesis of fluorescent polydopamine nanoparticles coupled with enzyme-controlled dissolution of MnO nanoflakes for a sensitive immunoassay of cancer biomarkers. *Journal of Materials Chemistry B*, **2017**, 5, 8506-8513	7.3	49
129	Carbon Dots/g-CN Nanoheterostructures-Based Signal-Generation Tags for Photoelectrochemical Immunoassay of Cancer Biomarkers Coupling with Copper Nanoclusters. *ACS Applied Materials & Interfaces*, **2017**, 9, 38336-38343	9.5	105
128	Current Advances in Quantum-Dots-Based Photoelectrochemical Immunoassays. *Chemistry - an Asian Journal*, **2017**, 12, 2780-2789	4.5	221
127	Platinum-Decorated Gold Nanoparticles with Dual Functionalities for Ultrasensitive Colorimetric in Vitro Diagnostics. *Nano Letters*, **2017**, 17, 5572-5579	11.5	167
126	Bismuth ferrite-based photoactive materials for the photoelectrochemical detection of disease biomarkers coupled with multifunctional mesoporous silica nanoparticles. *Journal of Materials Chemistry B*, **2017**, 5, 9600-9607	7.3	24
125	Multiplexed electrochemical immunoassay for two immunoglobulin proteins based on Cd and Cu nanocrystals. *Analyst, The*, **2017**, 142, 4794-4800	5	8
124	A non-enzyme cascade amplification strategy for colorimetric assay of disease biomarkers. *Chemical Communications*, **2017**, 53, 9055-9058	5.8	22
123	Hybridization chain reaction-based colorimetric aptasensor of adenosine 5′-triphosphate on unmodified gold nanoparticles and two label-free hairpin probes. *Biosensors and Bioelectronics*, **2017**, 89, 1006-1012	11.8	75
122	CdTe/CdSe quantum dot-based fluorescent aptasensor with hemin/G-quadruplex DNzyme for sensitive detection of lysozyme using rolling circle amplification and strand hybridization. *Biosensors and Bioelectronics*, **2017**, 87, 18-24	11.8	102
121	Dopamine-Loaded Liposomes for in-Situ Amplified Photoelectrochemical Immunoassay of AFB to Enhance Photocurrent of Mn-Doped Zn(OH)VO Nanobelts. *Analytical Chemistry*, **2017**, 89, 11803-11810	7.8	117
120	In situ amplified electrochemical aptasensing for sensitive detection of adenosine triphosphate by coupling target-induced hybridization chain reaction with the assembly of silver nanotags. *Talanta*, **2016**, 146, 23-8	6.2	24
119	Potentiometric competitive immunoassay for determination of aflatoxin B1 in food by using antibody-labeled gold nanoparticles. *Mikrochimica Acta*, **2016**, 183, 2815-2822	5.8	33
118	DNA-based electrochemical determination of mercury(II) by exploiting the catalytic formation of gold amalgam and of silver nanoparticles. *Mikrochimica Acta*, **2016**, 183, 1805-1812	5.8	18
117	Amplified impedimetric immunosensor based on instant catalyst for sensitive determination of ochratoxin A. *Biosensors and Bioelectronics*, **2016**, 86, 386-392	11.8	37
116	Proximity Ligation Assay-induced Structure-switching Hairpin DNA toward Development of Electrochemical Immunosensor. *Electroanalysis*, **2016**, 28, 1777-1782	3	2
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114	Enzymatic Oxydate-Triggered Self-Illuminated Photoelectrochemical Sensing Platform for Portable Immunoassay Using Digital Multimeter. *Analytical Chemistry*, **2016**, 88, 2958-66	7.8	112
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