

Yiping Chen

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.

73
papers

1,862
citations

23
h-index

41
g-index

79
ext. papers

2,362
ext. citations

8.2
avg, IF

5.39
L-index

| # | Paper | IF | Citations |
|----|--|------|-----------|
| 73 | Polydopamine nanoparticle-mediated, click chemistry triggered, microparticle-counting immunosensor for the sensitive detection of ochratoxin A.. <i>Journal of Hazardous Materials</i> , 2022 , 428, 128206 | 12.8 | 2 |
| 72 | Gold core @ platinum shell nanozyme-mediated magnetic relaxation switching DNA sensor for the detection of <i>Listeria monocytogenes</i> in chicken samples. <i>Food Control</i> , 2022 , 137, 108916 | 6.2 | 3 |
| 71 | Magnetic relaxation switching biosensor via polydopamine nanoparticle mediated click chemistry for detection of chlorpyrifos.. <i>Biosensors and Bioelectronics</i> , 2022 , 207, 114127 | 11.8 | 1 |
| 70 | One-step homogeneous micro-orifice resistance immunoassay for detection of chlorpyrifos in orange samples.. <i>Food Chemistry</i> , 2022 , 386, 132712 | 8.5 | |
| 69 | Structure identification and toxicity evaluation of one newly-discovered dechlorinated photoproducts of chlorpyrifos.. <i>Chemosphere</i> , 2022 , 301, 134822 | 8.4 | 2 |
| 68 | Enzyme-modulated photothermal immunoassay of chloramphenicol residues in milk and egg using a self-calibrated thermal imager. <i>Food Chemistry</i> , 2022 , 133232 | 8.5 | 1 |
| 67 | Low-Cost and Convenient Microchannel Resistance Biosensing Platform by Directly Translating Biorecognition into a Current Signal. <i>Analytical Chemistry</i> , 2021 , 93, 15049-15057 | 7.8 | 2 |
| 66 | Magnetic Relaxation Switching Immunoassay Based on Hydrogen Peroxide-Mediated Assembly of Ag@Au-Fe O Nanoprobe for Detection of Aflatoxin B1. <i>Small</i> , 2021 , e2104596 | 11 | 2 |
| 65 | Versatile Biosensing Toolkit Using an Electronic Particle Counter. <i>Analytical Chemistry</i> , 2021 , 93, 6178-6188 | 7.8 | 5 |
| 64 | Direct Transverse Relaxation Time Biosensing Strategy for Detecting Foodborne Pathogens through Enzyme-Mediated Sol-Gel Transition of Hydrogels. <i>Analytical Chemistry</i> , 2021 , 93, 6613-6619 | 7.8 | 11 |
| 63 | Development of nanosensor by bioorthogonal reaction for multi-detection of the biomarkers of hepatocellular carcinoma. <i>Sensors and Actuators B: Chemical</i> , 2021 , 334, 129653 | 8.5 | 5 |
| 62 | Double-enzymes-mediated Fe/Fe conversion as magnetic relaxation switch for pesticide residues sensing. <i>Journal of Hazardous Materials</i> , 2021 , 403, 123619 | 12.8 | 10 |
| 61 | One-step and DNA amplification-free detection of <i>Listeria monocytogenes</i> in ham samples: Combining magnetic relaxation switching and DNA hybridization reaction. <i>Food Chemistry</i> , 2021 , 338, 127837 | 8.5 | 18 |
| 60 | A magnetic relaxation DNA biosensor for rapid detection of <i>Listeria monocytogenes</i> using phosphatase-mediated Mn(VII)/Mn(II) conversion. <i>Food Control</i> , 2021 , 125, 107959 | 6.2 | 6 |
| 59 | Horseradish peroxidase-catalyzed formation of polydopamine for ultra-sensitive magnetic relaxation sensing of aflatoxin B. <i>Journal of Hazardous Materials</i> , 2021 , 419, 126403 | 12.8 | 5 |
| 58 | Highly sensitive magnetic relaxation sensing method for aflatoxin B1 detection based on Au NP-assisted triple self-assembly cascade signal amplification. <i>Biosensors and Bioelectronics</i> , 2021 , 192, 113489 | 11.8 | 9 |
| 57 | Carbon nanotube-mediated antibody-free suspension array for determination of typical endocrine-disrupting chemicals. <i>Mikrochimica Acta</i> , 2020 , 187, 202 | 5.8 | 2 |

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| 56 | Gd-nanoparticle-enhanced multivalent biosensing that combines magnetic relaxation switching and magnetic separation. <i>Biosensors and Bioelectronics</i> , 2020 , 155, 112106 | 11.8 | 8 |
| 55 | Bioorthogonal Reactions Amplify Magnetic Nanoparticles Binding and Assembly for Ultrasensitive Magnetic Resonance Sensing. <i>Analytical Chemistry</i> , 2020 , 92, 2787-2793 | 7.8 | 5 |
| 54 | Open Surface Droplet Microfluidic Magnetosensor for Microcystin-LR Monitoring in Reservoir. <i>Analytical Chemistry</i> , 2020 , 92, 3409-3416 | 7.8 | 7 |
| 53 | Unveiling the reaction process of the amine in direct amidation of aromatic ketones in HO. <i>ChemistryOpen</i> , 2020 , 9, 996-1000 | 2.3 | |
| 52 | Microwave-Assisted Synthesis of Hollow Microspheres with Multicomponent Nanocores for Heavy-Metal Removal and Magnetic Sensing. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 46779-46787 | 9.5 | 6 |
| 51 | DNA enzyme mediated ratiometric fluorescence assay for Pb(II) ion using magnetic nanosphere-loaded gold nanoparticles and CdSe/ZnS quantum dots. <i>Mikrochimica Acta</i> , 2020 , 187, 273 | 5.8 | 3 |
| 50 | Fibroblast growth factor 21 is required for the therapeutic effects of Lactobacillus rhamnosus GG against fructose-induced fatty liver in mice. <i>Molecular Metabolism</i> , 2019 , 29, 145-157 | 8.8 | 14 |
| 49 | Optical Fiber-Mediated Immunosensor with a Tunable Detection Range for Multiplexed Analysis of Veterinary Drug Residues. <i>ACS Sensors</i> , 2019 , 4, 1864-1872 | 9.2 | 15 |
| 48 | Simultaneous and Ultrasensitive Detection of Foodborne Bacteria by Gold Nanoparticles-Amplified Microcantilever Array Biosensor. <i>Frontiers in Chemistry</i> , 2019 , 7, 232 | 5 | 24 |
| 47 | Nanoparticles-Enabled Surface-Enhanced Imaging Ellipsometry for Amplified Biosensing. <i>Analytical Chemistry</i> , 2019 , 91, 6769-6774 | 7.8 | 7 |
| 46 | A Highly Sensitive Capillary-Based Immunosensor by Combining with Peroxidase Nanocomplex-Mediated Signal Amplification for Detection of Procalcitonin in Human Serum. <i>ACS Omega</i> , 2019 , 4, 6210-6217 | 3.9 | 20 |
| 45 | Fluorescence Resonance Energy Transfer-Mediated Immunosensor Based on Design and Synthesis of the Substrate of Amp Cephalosporinase for Biosensing. <i>Analytical Chemistry</i> , 2019 , 91, 11316-11323 | 7.8 | 8 |
| 44 | Click Reaction-Mediated Immunosensor for Ultrasensitive Detection of Pesticide Residues via Brush-like Nanostructure-Triggered Coordination Chemistry. <i>Journal of Agricultural and Food Chemistry</i> , 2019 , 67, 9942-9949 | 5.7 | 16 |
| 43 | Broad-Range Magnetic Relaxation Switching Bioassays Using Click Chemistry-Mediated Assembly of Polystyrene Beads and Magnetic Nanoparticles. <i>ACS Sensors</i> , 2019 , 4, 1942-1949 | 9.2 | 20 |
| 42 | Ultra-sensitive capillary immunosensor combining porous-layer surface modification and biotin-streptavidin nano-complex signal amplification: Application for sensing of procalcitonin in serum. <i>Talanta</i> , 2019 , 205, 120089 | 6.2 | 9 |
| 41 | Background Signal-Free Magnetic Bioassay for Food-Borne Pathogen and Residue of Veterinary Drug via Mn(VII)/Mn(II) Interconversion. <i>ACS Sensors</i> , 2019 , 4, 2771-2777 | 9.2 | 20 |
| 40 | Amplified Magnetic Resonance Sensing via Enzyme-Mediated Click Chemistry and Magnetic Separation. <i>Analytical Chemistry</i> , 2019 , 91, 15555-15562 | 7.8 | 16 |
| 39 | Clinical Value of Dorsal Medulla Oblongata Involvement Detected With Conventional Magnetic Resonance Imaging for Prediction of Outcome in Children With Enterovirus 71-Related Brainstem Encephalitis. <i>Pediatric Infectious Disease Journal</i> , 2019 , 38, 99-103 | 3.4 | 2 |

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| 38 | Enzyme-Free Amplification Strategy for Biosensing Using Fe-Poly(glutamic acid) Coordination Chemistry. <i>Analytical Chemistry</i> , 2018 , 90, 4725-4732 | 7.8 | 19 |
| 37 | Controllable Assembly of Enzymes for Multiplexed Lab-on-a-Chip Bioassays with a Tunable Detection Range. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 7503-7507 | 16.4 | 60 |
| 36 | Controllable Assembly of Enzymes for Multiplexed Lab-on-a-Chip Bioassays with a Tunable Detection Range. <i>Angewandte Chemie</i> , 2018 , 130, 7625-7629 | 3.6 | 5 |
| 35 | T-Mediated Nanosensor for Immunoassay Based on an Activatable MnO Nanoassembly. <i>Analytical Chemistry</i> , 2018 , 90, 2765-2771 | 7.8 | 14 |
| 34 | Cu-T Sensor for Versatile Analysis. <i>Analytical Chemistry</i> , 2018 , 90, 2833-2838 | 7.8 | 14 |
| 33 | Versatile T-Based Chemical Analysis Platform Using Fe/Fe Interconversion. <i>Analytical Chemistry</i> , 2018 , 90, 1234-1240 | 7.8 | 19 |
| 32 | Cascade Reaction-Mediated Assembly of Magnetic/Silver Nanoparticles for Amplified Magnetic Biosensing. <i>Analytical Chemistry</i> , 2018 , 90, 6906-6912 | 7.8 | 34 |
| 31 | Fe-T Sensor Based on Coordination Chemistry for Sensitive and Versatile Bioanalysis. <i>Analytical Chemistry</i> , 2018 , 90, 9148-9155 | 7.8 | 11 |
| 30 | Magnetic particles-enabled biosensors for point-of-care testing. <i>TrAC - Trends in Analytical Chemistry</i> , 2018 , 106, 213-224 | 14.6 | 90 |
| 29 | Multiplex immunoassays using surface modification-mediated porous layer open tubular capillary. <i>Analytica Chimica Acta</i> , 2018 , 1043, 1-10 | 6.6 | 8 |
| 28 | Peptide-Mediated Controllable Cross-Linking of Gold Nanoparticles for Immunoassays with Tunable Detection Range. <i>Analytical Chemistry</i> , 2018 , 90, 8234-8240 | 7.8 | 23 |
| 27 | Label-Free Sandwich Imaging Ellipsometry Immunosensor for Serological Detection of Procalcitonin. <i>Analytical Chemistry</i> , 2018 , 90, 8002-8010 | 7.8 | 27 |
| 26 | Photonic crystal fiber-based immunosensor for high-performance detection of alpha fetoprotein. <i>Biosensors and Bioelectronics</i> , 2017 , 91, 431-435 | 11.8 | 29 |
| 25 | Surface Modification of Gold Nanoparticles with Small Molecules for Biochemical Analysis. <i>Accounts of Chemical Research</i> , 2017 , 50, 310-319 | 24.3 | 273 |
| 24 | Double-Enzymes-Mediated Bioluminescent Sensor for Quantitative and Ultrasensitive Point-of-Care Testing. <i>Analytical Chemistry</i> , 2017 , 89, 5422-5427 | 7.8 | 60 |
| 23 | Bioorthogonal Reaction-Mediated ELISA Using Peroxide Test Strip as Signal Readout for Point-of-Care Testing. <i>Analytical Chemistry</i> , 2017 , 89, 6113-6119 | 7.8 | 43 |
| 22 | Manganese dioxide nanoparticle-based colorimetric immunoassay for the detection of alpha-fetoprotein. <i>Mikrochimica Acta</i> , 2017 , 184, 2767-2774 | 5.8 | 18 |
| 21 | Streptavidin-biotin-peroxidase nanocomplex-amplified microfluidics immunoassays for simultaneous detection of inflammatory biomarkers. <i>Analytica Chimica Acta</i> , 2017 , 982, 138-147 | 6.6 | 49 |

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| 20 | Catalyst-Free and One-Pot Procedure for Fast Formation of β -Ketoamides Using β -Oxocarboxylic Acids and Amines at Room Temperature. <i>ChemistrySelect</i> , 2017 , 2, 4638-4641 | 1.8 | 4 |
| 19 | Catalyst-free aerobic oxidation of aldehydes into acids in water under mild conditions. <i>Green Chemistry</i> , 2017 , 19, 5708-5713 | 10 | 31 |
| 18 | Stacking stacked sheets of paper into test paper for rapid and multiplexed assay. <i>Science Advances</i> , 2017 , 3, eaao4862 | 14.3 | 58 |
| 17 | An enzyme-mediated competitive colorimetric sensor based on Au@Ag bimetallic nanoparticles for highly sensitive detection of disease biomarkers. <i>Analyst, The</i> , 2017 , 142, 2954-2960 | 5 | 31 |
| 16 | Detection of Hepatitis B Virus M204I Mutation by Quantum Dot-Labeled DNA Probe. <i>Sensors</i> , 2017 , 17, | 3.8 | 14 |
| 15 | Magnetic Lateral Flow Strip for the Detection of Cocaine in Urine by Naked Eyes and Smart Phone Camera. <i>Sensors</i> , 2017 , 17, | 3.8 | 23 |
| 14 | Polymorphisms and features of cytomegalovirus UL144 and UL146 in congenitally infected neonates with hepatic involvement. <i>PLoS ONE</i> , 2017 , 12, e0171959 | 3.7 | 4 |
| 13 | A dual-readout chemiluminescent-gold lateral flow test for multiplex and ultrasensitive detection of disease biomarkers in real samples. <i>Nanoscale</i> , 2016 , 8, 15205-12 | 7.7 | 71 |
| 12 | Quantitative Detection of MicroRNA in One Step via Next Generation Magnetic Relaxation Switch Sensing. <i>ACS Nano</i> , 2016 , 10, 6685-92 | 16.7 | 101 |
| 11 | One-step detection of pathogens and cancer biomarkers by the naked eye based on aggregation of immunomagnetic beads. <i>Nanoscale</i> , 2016 , 8, 1100-7 | 7.7 | 37 |
| 10 | Click Chemistry-Mediated Nanosensors for Biochemical Assays. <i>Theranostics</i> , 2016 , 6, 969-85 | 12.1 | 66 |
| 9 | Point-of-Care Detection of β -Lactamase in Milk with a Universal Fluorogenic Probe. <i>Analytical Chemistry</i> , 2016 , 88, 5605-9 | 7.8 | 13 |
| 8 | Microfluidic Chip-Based Immunoassay for Reliable Detection of Cloxacillin in Poultry. <i>Food Analytical Methods</i> , 2016 , 9, 3163-3169 | 3.4 | 9 |
| 7 | One-step multiplexed detection of foodborne pathogens: Combining a quantum dot-mediated reverse assaying strategy and magnetic separation. <i>Biosensors and Bioelectronics</i> , 2016 , 86, 996-1002 | 11.8 | 28 |
| 6 | One-step detection of pathogens and viruses: combining magnetic relaxation switching and magnetic separation. <i>ACS Nano</i> , 2015 , 9, 3184-91 | 16.7 | 150 |
| 5 | Horseradish Peroxidase-Mediated, Iodide-Catalyzed Cascade Reaction for Plasmonic Immunoassays. <i>Analytical Chemistry</i> , 2015 , 87, 10688-92 | 7.8 | 76 |
| 4 | A magnetic relaxation switching immunosensor for one-step detection of salbutamol based on gold nanoparticle-streptavidin conjugate. <i>RSC Advances</i> , 2015 , 5, 95401-95404 | 3.7 | 7 |
| 3 | A colorimetric and ultrasensitive immunosensor for one-step pathogen detection via the combination of nanoparticle-triggered signal amplification and magnetic separation. <i>RSC Advances</i> , 2015 , 5, 100633-100637 | 3.7 | 9 |

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| 2 | A fluoroimmunoassay based on quantum dot-streptavidin conjugate for the detection of chlorpyrifos. <i>Journal of Agricultural and Food Chemistry</i> , 2010 , 58, 8895-903 | 5-7 | 45 |
| 1 | Study on Chemiluminescence Assay of Surfactant PEG-400 Using Luminol-Hydrogen Peroxide System. <i>Analytical Letters</i> , 2008 , 41, 1279-1289 | 2-2 | 2 |