Yiping Chen

List of Publications by Citations

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	Surface Modification of Gold Nanoparticles with Small Molecules for Biochemical Analysis. *Accounts of Chemical Research*, **2017**, 50, 310-319	24.3	273
72	One-step detection of pathogens and viruses: combining magnetic relaxation switching and magnetic separation. *ACS Nano*, **2015**, 9, 3184-91	16.7	150
71	Quantitative Detection of MicroRNA in One Step via Next Generation Magnetic Relaxation Switch Sensing. *ACS Nano*, **2016**, 10, 6685-92	16.7	101
70	Magnetic particles-enabled biosensors for point-of-care testing. *TrAC - Trends in Analytical Chemistry*, **2018**, 106, 213-224	14.6	90
69	Horseradish Peroxidase-Mediated, Iodide-Catalyzed Cascade Reaction for Plasmonic Immunoassays. *Analytical Chemistry*, **2015**, 87, 10688-92	7.8	76
68	A dual-readout chemiluminescent-gold lateral flow test for multiplex and ultrasensitive detection of disease biomarkers in real samples. *Nanoscale*, **2016**, 8, 15205-12	7.7	71
67	Click Chemistry-Mediated Nanosensors for Biochemical Assays. *Theranostics*, **2016**, 6, 969-85	12.1	66
66	Double-Enzymes-Mediated Bioluminescent Sensor for Quantitative and Ultrasensitive Point-of-Care Testing. *Analytical Chemistry*, **2017**, 89, 5422-5427	7.8	60
65	Controllable Assembly of Enzymes for Multiplexed Lab-on-a-Chip Bioassays with a Tunable Detection Range. *Angewandte Chemie - International Edition*, **2018**, 57, 7503-7507	16.4	60
64	Skiving stacked sheets of paper into test paper for rapid and multiplexed assay. *Science Advances*, **2017**, 3, eaao4862	14.3	58
63	Streptavidin-biotin-peroxidase nanocomplex-amplified microfluidics immunoassays for simultaneous detection of inflammatory biomarkers. *Analytica Chimica Acta*, **2017**, 982, 138-147	6.6	49
62	A fluoroimmunoassay based on quantum dot-streptavidin conjugate for the detection of chlorpyrifos. *Journal of Agricultural and Food Chemistry*, **2010**, 58, 8895-903	5.7	45
61	Bioorthogonal Reaction-Mediated ELISA Using Peroxide Test Strip as Signal Readout for Point-of-Care Testing. *Analytical Chemistry*, **2017**, 89, 6113-6119	7.8	43
60	One-step detection of pathogens and cancer biomarkers by the naked eye based on aggregation of immunomagnetic beads. *Nanoscale*, **2016**, 8, 1100-7	7.7	37
59	Cascade Reaction-Mediated Assembly of Magnetic/Silver Nanoparticles for Amplified Magnetic Biosensing. *Analytical Chemistry*, **2018**, 90, 6906-6912	7.8	34
58	Catalyst-free aerobic oxidation of aldehydes into acids in water under mild conditions. *Green Chemistry*, **2017**, 19, 5708-5713	10	31
57	An enzyme-mediated competitive colorimetric sensor based on Au@Ag bimetallic nanoparticles for highly sensitive detection of disease biomarkers. *Analyst, The*, **2017**, 142, 2954-2960	5	31

56	Photonic crystal fiber-based immunosensor for high-performance detection of alpha fetoprotein. *Biosensors and Bioelectronics*, **2017**, 91, 431-435	11.8	29
55	One-step multiplexed detection of foodborne pathogens: Combining a quantum dot-mediated reverse assaying strategy and magnetic separation. *Biosensors and Bioelectronics*, **2016**, 86, 996-1002	11.8	28
54	Label-Free Sandwich Imaging Ellipsometry Immunosensor for Serological Detection of Procalcitonin. *Analytical Chemistry*, **2018**, 90, 8002-8010	7.8	27
53	Simultaneous and Ultrasensitive Detection of Foodborne Bacteria by Gold Nanoparticles-Amplified Microcantilever Array Biosensor. *Frontiers in Chemistry*, **2019**, 7, 232	5	24
52	Peptide-Mediated Controllable Cross-Linking of Gold Nanoparticles for Immunoassays with Tunable Detection Range. *Analytical Chemistry*, **2018**, 90, 8234-8240	7.8	23
51	Magnetic Lateral Flow Strip for the Detection of Cocaine in Urine by Naked Eyes and Smart Phone Camera. *Sensors*, **2017**, 17,	3.8	23
50	A Highly Sensitive Capillary-Based Immunosensor by Combining with Peroxidase Nanocomplex-Mediated Signal Amplification for Detection of Procalcitonin in Human Serum. *ACS Omega*, **2019**, 4, 6210-6217	3.9	20
49	Broad-Range Magnetic Relaxation Switching Bioassays Using Click Chemistry-Mediated Assembly of Polystyrene Beads and Magnetic Nanoparticles. *ACS Sensors*, **2019**, 4, 1942-1949	9.2	20
48	Background Signal-Free Magnetic Bioassay for Food-Borne Pathogen and Residue of Veterinary Drug via Mn(VII)/Mn(II) Interconversion. *ACS Sensors*, **2019**, 4, 2771-2777	9.2	20
47	Enzyme-Free Amplification Strategy for Biosensing Using Fe-Poly(glutamic acid) Coordination Chemistry. *Analytical Chemistry*, **2018**, 90, 4725-4732	7.8	19
46	Versatile T-Based Chemical Analysis Platform Using Fe/Fe Interconversion. *Analytical Chemistry*, **2018**, 90, 1234-1240	7.8	19
45	Manganese dioxide nanoparticle-based colorimetric immunoassay for the detection of alpha-fetoprotein. *Mikrochimica Acta*, **2017**, 184, 2767-2774	5.8	18
44	One-step and DNA amplification-free detection of Listeria monocytogenes in ham samples: Combining magnetic relaxation switching and DNA hybridization reaction. *Food Chemistry*, **2021**, 338, 127837	8.5	18
43	Click Reaction-Mediated Immunosensor for Ultrasensitive Detection of Pesticide Residues via Brush-like Nanostructure-Triggered Coordination Chemistry. *Journal of Agricultural and Food Chemistry*, **2019**, 67, 9942-9949	5.7	16
42	Amplified Magnetic Resonance Sensing via Enzyme-Mediated Click Chemistry and Magnetic Separation. *Analytical Chemistry*, **2019**, 91, 15555-15562	7.8	16
41	Optical Fiber-Mediated Immunosensor with a Tunable Detection Range for Multiplexed Analysis of Veterinary Drug Residues. *ACS Sensors*, **2019**, 4, 1864-1872	9.2	15
40	Fibroblast growth factor 21 is required for the therapeutic effects of Lactobacillus rhamnosus GG against fructose-induced fatty liver in mice. *Molecular Metabolism*, **2019**, 29, 145-157	8.8	14
39	T-Mediated Nanosensor for Immunoassay Based on an Activatable MnO Nanoassembly. *Analytical Chemistry*, **2018**, 90, 2765-2771	7.8	14

38	Cu-T Sensor for Versatile Analysis. *Analytical Chemistry*, **2018**, 90, 2833-2838	7.8	14
37	Detection of Hepatitis B Virus M204I Mutation by Quantum Dot-Labeled DNA Probe. *Sensors*, **2017**, 17,	3.8	14
36	Point-of-Care Detection of β-Lactamase in Milk with a Universal Fluorogenic Probe. *Analytical Chemistry*, **2016**, 88, 5605-9	7.8	13
35	Fe-T Sensor Based on Coordination Chemistry for Sensitive and Versatile Bioanalysis. *Analytical Chemistry*, **2018**, 90, 9148-9155	7.8	11
34	Direct Transverse Relaxation Time Biosensing Strategy for Detecting Foodborne Pathogens through Enzyme-Mediated Sol-Gel Transition of Hydrogels. *Analytical Chemistry*, **2021**, 93, 6613-6619	7.8	11
33	Double-enzymes-mediated Fe/Fe conversion as magnetic relaxation switch for pesticide residues sensing. *Journal of Hazardous Materials*, **2021**, 403, 123619	12.8	10
32	Ultra-sensitive capillary immunosensor combining porous-layer surface modification and biotin-streptavidin nano-complex signal amplification: Application for sensing of procalcitonin in serum. *Talanta*, **2019**, 205, 120089	6.2	9
31	A colorimetric and ultrasensitive immunosensor for one-step pathogen detection via the combination of nanoparticle-triggered signal amplification and magnetic separation. *RSC Advances*, **2015**, 5, 100633-100637	3.7	9
30	Microfluidic Chip-Based Immunoassay for Reliable Detection of Cloxacillin in Poultry. *Food Analytical Methods*, **2016**, 9, 3163-3169	3.4	9
29	Highly sensitive magnetic relaxation sensing method for aflatoxin B1 detection based on Au NP-assisted triple self-assembly cascade signal amplification. *Biosensors and Bioelectronics*, **2021**, 192, 113489	11.8	9
28	Gd-nanoparticle-enhanced multivalent biosensing that combines magnetic relaxation switching and magnetic separation. *Biosensors and Bioelectronics*, **2020**, 155, 112106	11.8	8
27	Multiplex immunoassays using surface modification-mediated porous layer open tubular capillary. *Analytica Chimica Acta*, **2018**, 1043, 1-10	6.6	8
26	Fluorescence Resonance Energy Transfer-Mediated Immunosensor Based on Design and Synthesis of the Substrate of Amp Cephalosporinase for Biosensing. *Analytical Chemistry*, **2019**, 91, 11316-11323	7.8	8
25	Nanoparticles-Enabled Surface-Enhanced Imaging Ellipsometry for Amplified Biosensing. *Analytical Chemistry*, **2019**, 91, 6769-6774	7.8	7
24	A magnetic relaxation switching immunosensor for one-step detection of salbutamol based on gold nanoparticles-streptavidin conjugate. *RSC Advances*, **2015**, 5, 95401-95404	3.7	7
23	Open Surface Droplet Microfluidic Magnetosensor for Microcystin-LR Monitoring in Reservoir. *Analytical Chemistry*, **2020**, 92, 3409-3416	7.8	7
22	Microwave-Assisted Synthesis of Hollow Microspheres with Multicomponent Nanocores for Heavy-Metal Removal and Magnetic Sensing. *ACS Applied Materials & Interfaces*, **2020**, 12, 46779-46787	9.5	6
21	A magnetic relaxation DNA biosensor for rapid detection of Listeria monocytogenes using phosphatase-mediated Mn(VII)/Mn(II) conversion. *Food Control*, **2021**, 125, 107959	6.2	6

20	Bioorthogonal Reactions Amplify Magnetic Nanoparticles Binding and Assembly for Ultrasensitive Magnetic Resonance Sensing. *Analytical Chemistry*, **2020**, 92, 2787-2793	7.8	5
19	Controllable Assembly of Enzymes for Multiplexed Lab-on-a-Chip Bioassays with a Tunable Detection Range. *Angewandte Chemie*, **2018**, 130, 7625-7629	3.6	5
18	Versatile Biosensing Toolkit Using an Electronic Particle Counter. *Analytical Chemistry*, **2021**, 93, 6178-6187	7.8	5
17	Development of nanosensor by bioorthogonal reaction for multi-detection of the biomarkers of hepatocellular carcinoma. *Sensors and Actuators B: Chemical*, **2021**, 334, 129653	8.5	5
16	Horseradish peroxidase-catalyzed formation of polydopamine for ultra-sensitive magnetic relaxation sensing of aflatoxin B. *Journal of Hazardous Materials*, **2021**, 419, 126403	12.8	5
15	Catalyst-Free and One-Pot Procedure for Fast Formation of Ketoamides Using Oxocarboxylic Acids and Amines at Room Temperature. *ChemistrySelect*, **2017**, 2, 4638-4641	1.8	4
14	Polymorphisms and features of cytomegalovirus UL144 and UL146 in congenitally infected neonates with hepatic involvement. *PLoS ONE*, **2017**, 12, e0171959	3.7	4
13	DNA enzyme mediated ratiometric fluorescence assay for Pb(II) ion using magnetic nanosphere-loaded gold nanoparticles and CdSe/ZnS quantum dots. *Mikrochimica Acta*, **2020**, 187, 273	5.8	3
12	Gold core @ platinum shell nanozyme-mediated magnetic relaxation switching DNA sensor for the detection of Listeria monocytogenes in chicken samples. *Food Control*, **2022**, 137, 108916	6.2	3
11	Carbon nanotube-mediated antibody-free suspension array for determination of typical endocrine-disrupting chemicals. *Mikrochimica Acta*, **2020**, 187, 202	5.8	2
10	Study on Chemiluminescence Assay of Surfactant PEG-400 Using Luminol Hydrogen Peroxide System. *Analytical Letters*, **2008**, 41, 1279-1289	2.2	2
9	Polydopamine nanoparticle-mediated, click chemistry triggered, microparticle-counting immunosensor for the sensitive detection of ochratoxin A.. *Journal of Hazardous Materials*, **2022**, 428, 128206	12.8	2
8	Low-Cost and Convenient Microchannel Resistance Biosensing Platform by Directly Translating Biorecognition into a Current Signal. *Analytical Chemistry*, **2021**, 93, 15049-15057	7.8	2
7	Magnetic Relaxation Switching Immunoassay Based on Hydrogen Peroxide-Mediated Assembly of Ag@Au-Fe O Nanoprobe for Detection of Aflatoxin B1. *Small*, **2021**, e2104596	11	2
6	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. *Pediatric Infectious Disease Journal*, **2019**, 38, 99-103	3.4	2
5	Structure identification and toxicity evaluation of one newly-discovered dechlorinated photoproducts of chlorpyrifos.. *Chemosphere*, **2022**, 301, 134822	8.4	2
4	Magnetic relaxation switching biosensor via polydopamine nanoparticle mediated click chemistry for detection of chlorpyrifos.. *Biosensors and Bioelectronics*, **2022**, 207, 114127	11.8	1
3	Enzyme-modulated photothermal immunoassay of chloramphenicol residues in milk and egg using a self-calibrated thermal imager. *Food Chemistry*, **2022**, 133232	8.5	1

2	Unveiling the reaction process of the amine in direct amidation of aromatic ketones in HO. *ChemistryOpen*, **2020**, 9, 996-1000	2.3
1	One-step homogeneous micro-orifice resistance immunoassay for detection of chlorpyrifos in orange samples.. *Food Chemistry*, **2022**, 386, 132712	8.5