

Xianting Ding

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Version: 2024-04-25

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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.

113
papers

1,849
citations

25
h-index

39
g-index

131
ext. papers

2,627
ext. citations

7.7
avg, IF

5.23
L-index

#	Paper	IF	Citations
113	An optimized small molecule inhibitor cocktail supports long-term maintenance of human embryonic stem cells. <i>Nature Communications</i> , 2011 , 2, 167	17.4	130
112	Rapid optimization of drug combinations for the optimal angiostatic treatment of cancer. <i>Angiogenesis</i> , 2015 , 18, 233-44	10.6	85
111	Interferometric plasmonic imaging and detection of single exosomes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 10275-10280	11.5	85
110	Electrochemical detection of lung cancer specific microRNAs using 3D DNA origami nanostructures. <i>Biosensors and Bioelectronics</i> , 2015 , 71, 57-61	11.8	82
109	A Review on Microfluidic Paper-Based Analytical Devices for Glucose Detection. <i>Sensors</i> , 2016 , 16,	3.8	72
108	Enabling Technologies for Personalized and Precision Medicine. <i>Trends in Biotechnology</i> , 2020 , 38, 497-518	3.1	71
107	Optimization of drug combinations using Feedback System Control. <i>Nature Protocols</i> , 2016 , 11, 302-15	18.8	67
106	Curcumin in Treating Breast Cancer: A Review. <i>Journal of the Association for Laboratory Automation</i> , 2016 , 21, 723-731		66
105	A streamlined search technology for identification of synergistic drug combinations. <i>Scientific Reports</i> , 2015 , 5, 14508	4.9	60
104	Output-driven feedback system control platform optimizes combinatorial therapy of tuberculosis using a macrophage cell culture model. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, E2172-9	11.5	55
103	Manufacturing of an electrochemical biosensing platform based on hybrid DNA hydrogel: Taking lung cancer-specific miR-21 as an example. <i>Biosensors and Bioelectronics</i> , 2018 , 103, 1-5	11.8	52
102	High-Throughput Isolation of Circulating Tumor Cells Using Cascaded Inertial Focusing Microfluidic Channel. <i>Analytical Chemistry</i> , 2018 , 90, 4397-4405	7.8	49
101	A One-Pot Toolbox Based on Cas12a/crRNA Enables Rapid Foodborne Pathogen Detection at Attomolar Level. <i>ACS Sensors</i> , 2020 , 5, 1427-1435	9.2	46
100	Protective effects of madecassoside against Doxorubicin induced nephrotoxicity in vivo and in vitro. <i>Scientific Reports</i> , 2015 , 5, 18314	4.9	39
99	Colorimetric and Electrochemical Detection of Escherichia coli and Antibiotic Resistance Based on a p-Benzoquinone-Mediated Bioassay. <i>Analytical Chemistry</i> , 2019 , 91, 7524-7530	7.8	36
98	Cascade search for HSV-1 combinatorial drugs with high antiviral efficacy and low toxicity. <i>International Journal of Nanomedicine</i> , 2012 , 7, 2281-92	7.3	36
97	Pharmacological Review on Asiatic Acid and Its Derivatives: A Potential Compound. <i>SLAS Technology</i> , 2018 , 23, 111-127	3	34

96	Effective drug combination for nematodes discovered by output-driven feedback system control technique. <i>Science Advances</i> , 2017 , 3, eaao1254	14.3	32
95	Drug regimens identified and optimized by output-driven platform markedly reduce tuberculosis treatment time. <i>Nature Communications</i> , 2017 , 8, 14183	17.4	31
94	A flyover style microfluidic chip for highly purified magnetic cell separation. <i>Biosensors and Bioelectronics</i> , 2019 , 129, 175-181	11.8	31
93	A Point-of-Need infrared mediated PCR platform with compatible lateral flow strip for HPV detection. <i>Biosensors and Bioelectronics</i> , 2017 , 96, 213-219	11.8	30
92	A comparison framework and guideline of clustering methods for mass cytometry data. <i>Genome Biology</i> , 2019 , 20, 297	18.3	30
91	A simple and rapid colorimetric bacteria detection method based on bacterial inhibition of glucose oxidase-catalyzed reaction. <i>Talanta</i> , 2019 , 197, 304-309	6.2	28
90	Project IDentif.AI: Harnessing Artificial Intelligence to Rapidly Optimize Combination Therapy Development for Infectious Disease Intervention. <i>Advanced Therapeutics</i> , 2020 , 3, 2000034	4.9	26
89	Melamine detection in liquid milk based on selective porous polymer monolith mediated with gold nanospheres by using surface enhanced Raman scattering. <i>Food Chemistry</i> , 2019 , 277, 624-631	8.5	25
88	Use of Fractional Factorial Designs in Antiviral Drug Studies. <i>Quality and Reliability Engineering International</i> , 2013 , 29, 299-304	2.6	24
87	Discovery of a low order drug-cell response surface for applications in personalized medicine. <i>Physical Biology</i> , 2014 , 11, 065003	3	24
86	NAD(+) administration decreases doxorubicin-induced liver damage of mice by enhancing antioxidation capacity and decreasing DNA damage. <i>Chemico-Biological Interactions</i> , 2014 , 212, 65-71	5	23
85	Microfluidic Device Directly Fabricated on Screen-Printed Electrodes for Ultrasensitive Electrochemical Sensing of PSA. <i>Nanoscale Research Letters</i> , 2019 , 14, 71	5	18
84	Bull serum albumin coated Au@Agnanorods as SERS probes for ultrasensitive osteosarcoma cell detection. <i>Talanta</i> , 2016 , 150, 503-9	6.2	17
83	NAD(+) treatment prevents rotenone-induced apoptosis and necrosis of differentiated PC12 cells. <i>Neuroscience Letters</i> , 2014 , 560, 46-50	3.3	17
82	Recent advances in microfluidics for drug screening. <i>Biomicrofluidics</i> , 2019 , 13, 061503	3.2	17
81	Active DNA unwinding and transport by a membrane-adapted helicase nanopore. <i>Nature Communications</i> , 2019 , 10, 5083	17.4	16
80	Colorimetric and photographic detection of bacteria in drinking water by using 4-mercaptophenylboronic acid functionalized AuNPs. <i>Food Control</i> , 2020 , 108, 106885	6.2	16
79	Oral pH sensitive GNS@ab nanoprobe for targeted therapy of Helicobacter pylori without disturbance gut microbiome. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2019 , 20, 102019	6	15

78	Artificial intelligence enabled parabolic response surface platform identifies ultra-rapid near-universal TB drug treatment regimens comprising approved drugs. <i>PLoS ONE</i> , 2019 , 14, e0215607	3.7	15
77	Immunocyte Profiling Using Single-Cell Mass Cytometry Reveals EpCAM CD4 T Cells Abnormal in Colon Cancer. <i>Frontiers in Immunology</i> , 2019 , 10, 1571	8.4	14
76	An on-chip cell culturing and combinatorial drug screening system. <i>Microfluidics and Nanofluidics</i> , 2017 , 21, 1	2.8	13
75	Preclinical optimization of a broad-spectrum anti-bladder cancer tri-drug regimen via the Feedback System Control (FSC) platform. <i>Scientific Reports</i> , 2015 , 5, 11464	4.9	13
74	Au-siRNA@ aptamer nanocages as a high-efficiency drug and gene delivery system for targeted lung cancer therapy. <i>Journal of Nanobiotechnology</i> , 2021 , 19, 54	9.4	12
73	Extracellular Vesicles from Mesenchymal Stromal Cells for the Treatment of Inflammation-Related Conditions. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	11
72	Application of sequential factorial design and orthogonal array composite design (OACD) to study combination of 5 prostate cancer drugs. <i>Computational Biology and Chemistry</i> , 2017 , 67, 234-243	3.6	10
71	Cancer nanomedicine: from PDGF targeted drug delivery. <i>MedChemComm</i> , 2017 , 8, 2055-2059	5	10
70	DNA tetrahedron-mediated immune-sandwich assay for rapid and sensitive detection of PSA through a microfluidic electrochemical detection system. <i>Microsystems and Nanoengineering</i> , 2021 , 7, 33	7.7	10
69	A HiPAD Integrated with rGO/MWCNTs Nano-Circuit Heater for Visual Point-of-Care Testing of SARS-CoV-2. <i>Advanced Functional Materials</i> , 2021 , 31, 2100801	15.6	10
68	Label-free Separation of Circulating Tumor Cells Using a Self-Amplified Inertial Focusing (SAIF) Microfluidic Chip. <i>Analytical Chemistry</i> , 2020 , 92, 16170-16179	7.8	9
67	Silver microspheres aggregation-induced Raman enhanced scattering used for rapid detection of carbendazim in Chinese tea. <i>Food Chemistry</i> , 2021 , 339, 128085	8.5	9
66	Hairpin-Spacer crRNA-Enhanced CRISPR/Cas13a System Promotes the Specificity of Single Nucleotide Polymorphism (SNP) Identification. <i>Advanced Science</i> , 2021 , 8, 2003611	13.6	9
65	Control of nanodiamond-doxorubicin drug loading and elution through optimized compositions and release environments. <i>Diamond and Related Materials</i> , 2018 , 88, 43-50	3.5	9
64	Study on a 3D Hydrogel-Based Culture Model for Characterizing Growth of Fibroblasts under Viral Infection and Drug Treatment. <i>SLAS Discovery</i> , 2017 , 22, 626-634	3.4	8
63	Multifunctional co-loaded magnetic nanocapsules for enhancing targeted MR imaging and in vivo photodynamic therapy. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2019 , 21, 102047	6	8
62	Feedback System Control Optimized Electrospinning for Fabrication of an Excellent Superhydrophobic Surface. <i>Nanomaterials</i> , 2017 , 7,	5.4	8
61	A Carbon-Based DNA Framework Nano-Bio Interface for Biosensing with High Sensitivity and a High Signal-to-Noise Ratio. <i>ACS Sensors</i> , 2020 , 5, 3979-3987	9.2	8

60	Continuous Adaptive Population Reduction (CAPR) for Differential Evolution Optimization. <i>SLAS Technology</i> , 2017 , 22, 289-305	3	7
59	Progress and applications of mass cytometry in sketching immune landscapes. <i>Clinical and Translational Medicine</i> , 2020 , 10, e206	5.7	7
58	Orthogonal Array composite design to study and optimize antioxidant combinations in the prevention of UVB-induced HSF damage. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2018 , 178, 568-576	6.7	7
57	Lymphocyte mass cytometry identifies a CD3-CD4+ cell subset with a potential role in psoriasis. <i>JCI Insight</i> , 2019 , 4,	9.9	7
56	Harnessing Artificial Intelligence to Optimize Long-Term Maintenance Dosing for Antiretroviral-Naive Adults with HIV-1 Infection. <i>Advanced Therapeutics</i> , 2020 , 3, 1900114	4.9	7
55	Metal-Labeled Aptamers as Novel Nanoprobes for Imaging Mass Cytometry Analysis. <i>Analytical Chemistry</i> , 2020 , 92, 6312-6320	7.8	6
54	Electrochemical Investigation of Coenzyme Q10 on Silver Electrode in Ethanol Aqueous Solution and Its Determination Using Differential Pulse Voltammetry. <i>Journal of the Association for Laboratory Automation</i> , 2016 , 21, 579-89		6
53	CD38 plays key roles in both antioxidation and cell survival of H2O2-treated primary rodent astrocytes. <i>International Journal of Physiology, Pathophysiology and Pharmacology</i> , 2014 , 6, 102-8	3.4	6
52	Harnessing a Novel Machine-Learning-Assisted Evolutionary Algorithm to Co-optimize Three Characteristics of an Electrospun Oil Sorbent. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 42842-42849	8.5	6
51	Cell adhesion pattern created by OSTE polymers. <i>Biofabrication</i> , 2017 , 9, 025006	10.5	5
50	Microdroplets-on-chip: A review. <i>Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine</i> , 2019 , 233, 683-694	1.7	5
49	Real-time detection of foodborne bacterial viability using a colorimetric bienzyme system in food and drinking water. <i>Food Chemistry</i> , 2020 , 320, 126581	8.5	5
48	Simultaneous detection of multiple HPV DNA via bottom-well microfluidic chip within an infra-red PCR platform. <i>Biomicrofluidics</i> , 2018 , 12, 024109	3.2	5
47	Malate-aspartate shuttle mediates the intracellular ATP levels, antioxidation capacity and survival of differentiated PC12 cells. <i>International Journal of Physiology, Pathophysiology and Pharmacology</i> , 2014 , 6, 109-14	3.4	5
46	Harnessing an Artificial Intelligence Platform to Dynamically Individualize Combination Therapy for Treating Colorectal Carcinoma in a Rat Model. <i>Advanced Therapeutics</i> , 2020 , 3, 1900127	4.9	5
45	A turn-on fluorescence sensor based on Cu modulated DNA-templated silver nanoclusters for glyphosate detection and mechanism investigation. <i>Food Chemistry</i> , 2022 , 367, 130617	8.5	5
44	Overcoming Multidrug-Resistance in Bacteria with a Two-Step Process to Repurpose and Recombine Established Drugs. <i>Analytical Chemistry</i> , 2019 , 91, 13562-13569	7.8	4
43	Simultaneous Optimization of Drug Combination Dose-Ratio Sequence with Innovative Design and Active Learning. <i>Advanced Therapeutics</i> , 2020 , 3, 1900135	4.9	4

42	Smartphone-Based Electrochemical Biosensors for Directly Detecting Serum-Derived Exosomes and Monitoring Their Secretion.. <i>Analytical Chemistry</i> , 2022 ,	7.8	4
41	CRISPR/Cas12a Powered DNA Framework-Supported Electrochemical Biosensing Platform for Ultrasensitive Nucleic Acid Analysis.. <i>Small Methods</i> , 2021 , 5, e2100935	12.8	4
40	Aptamer Probes Labeled with Lanthanide-Doped Carbon Nanodots Permit Dual-Modal Fluorescence and Mass Cytometric Imaging. <i>Advanced Science</i> , 2021 , 8, e2102812	13.6	4
39	Exploring scientific validation of Triphala Rasayana in ayurveda as a source of rejuvenation for contemporary healthcare: An update. <i>Journal of Ethnopharmacology</i> , 2021 , 273, 113829	5	4
38	Pre-coated interface proximity extension reaction assay enables trace protein detection with single-digit accuracy. <i>Biosensors and Bioelectronics</i> , 2021 , 183, 113211	11.8	4
37	Simultaneous determination of the potent anti-tuberculosis regimen-Pyrazinamide, ethambutol, protionamide, clofazimine in beagle dog plasma using LC-MS/MS method coupled with 96-well format plate. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2019 , 168, 44-54	3.5	4
36	The Intriguing Landscape of Single-Cell Protein Analysis.. <i>Advanced Science</i> , 2022 , e2105932	13.6	4
35	A Photoclick Hydrogel for Enhanced Single-Cell Immunoblotting. <i>Advanced Functional Materials</i> , 2020 , 30, 1910739	15.6	3
34	New Structure Mass Tag based on Zr-NMOF for Multiparameter and Sensitive Single-Cell Interrogating in Mass Cytometry. <i>Advanced Materials</i> , 2021 , 33, e2008297	24	3
33	Identification of Centella asiatica's Effective Ingredients for Inducing the Neuronal Differentiation. <i>Evidence-based Complementary and Alternative Medicine</i> , 2016 , 2016, 9634750	2.3	3
32	One-pot pre-coated interface proximity extension assay for ultrasensitive co-detection of anti-SARS-CoV-2 antibodies and viral RNA. <i>Biosensors and Bioelectronics</i> , 2021 , 193, 113535	11.8	3
31	A Mass-Ratiometry-Based CD45 Barcoding Method for Mass Cytometry Detection. <i>SLAS Technology</i> , 2019 , 24, 408-419	3	2
30	Application of Feedback System Control Optimization Technique in Combined Use of Dual Antiplatelet Therapy and Herbal Medicines. <i>Frontiers in Physiology</i> , 2018 , 9, 491	4.6	2
29	Cellular Signaling Analysis shows antiviral, ribavirin-mediated ribosomal signaling modulation. <i>Antiviral Research</i> , 2019 , 171, 104598	10.8	2
28	Recent Progresses in Electrochemical DNA Biosensors for MicroRNA Detection. <i>Phenomics</i> , 2022 , 2, 18		2
27	2T-Methyl modified guide RNA promotes the single nucleotide polymorphism (SNP) discrimination ability of CRISPR-Cas12a systems.. <i>Chemical Science</i> , 2022 , 13, 2050-2061	9.4	2
26	Encountering and Wrestling: Neutrophils Recognize and Defensively Degrade Graphene Oxide. <i>Advanced Healthcare Materials</i> , 2021 , e2102439	10.1	2
25	Application of Microfluidics in Single-cell Manipulation, Omics and Drug Development. <i>Current Medicinal Chemistry</i> , 2021 ,	4.3	2

24	Highly sensitive and portable mRNA detection platform for early cancer detection. <i>Journal of Nanobiotechnology</i> , 2021 , 19, 287	9.4	2
23	Safety evaluation of nanodiamond-doxorubicin complexes in a Naïve Beagle canine model using hematologic, histological, and urine analysis. <i>Nano Research</i> , 1	10	2
22	A smartphone-based three-in-one biosensor for co-detection of SARS-CoV-2 viral RNA, antigen and antibody.. <i>Chemical Communications</i> , 2022 , 58, 6108-6111	5.8	2
21	Expansion microscopy with ninefold swelling (NIFS) hydrogel permits cellular ultrastructure imaging on conventional microscope.. <i>Science Advances</i> , 2022 , 8, eabm4006	14.3	2
20	Use of feedback system control in optimizing chemical combinations to synthesize nanoparticles with desired characteristics. <i>RSC Advances</i> , 2016 , 6, 28322-28330	3.7	1
19	PD-L1CD8 T cells enrichment in lung cancer exerted regulatory function and tumor-promoting tolerance.. <i>IScience</i> , 2022 , 25, 103785	6.1	1
18	Integrated microfluidic single-cell immunoblotting chip enables high-throughput isolation, enrichment and direct protein analysis of circulating tumor cells.. <i>Microsystems and Nanoengineering</i> , 2022 , 8, 13	7.7	1
17	Rapid and efficient capturing of circulating tumor cells from breast cancer Patient's whole blood via the antibody functionalized microfluidic (AFM) chip.. <i>Biosensors and Bioelectronics</i> , 2022 , 201, 113965 ^{11.8}	11.8	1
16	Novel Green Silver Nanoparticles as Matrix in the Detection of Small Molecules Using Matrix-Assisted Laser Desorption Ionization Mass Spectrometry (MALDI-MS). <i>Journal of Pharmaceutical Innovation</i> , 2020 , 1	1.8	1
15	Simplified ARCHITECT microfluidic chip through a dual-flip strategy enables stable and versatile tumoroid formation combined with label-free quantitative proteomic analysis. <i>Biofabrication</i> , 2021 ,	10.5	1
14	Single-Cell Immunoblotting based on a Photoclick Hydrogel Enables High-Throughput Screening and Accurate Profiling of Exogenous Gene Expression. <i>Advanced Materials</i> , 2021 , 33, e2101108	24	1
13	Portable Infrared Isothermal PCR Platform for Multiple Sexually Transmitted Diseases Strand Detection. <i>Analytical Chemistry</i> , 2018 , 90, 11760-11763	7.8	1
12	Indirect Electrochemical Detection of NADH Through an Active Stainless Steel Fiber Felt (SSFF) Electrode Decorated With the Amino-Graphene/Nafion Nano Composite Films. <i>ChemistrySelect</i> , 2018 , 3, 6214-6220	1.8	1
11	Bioinspired Rotation Microneedles for Accurate Transdermal Positioning and Ultraminimal-Invasive Biomarker Detection with Mechanical Robustness.. <i>Research</i> , 2022 , 2022, 9869734	7.8	1
10	Deep phenotyping of T cell populations under long-term treatment of tacrolimus and rapamycin in patients receiving renal transplantations by mass cytometry. <i>Clinical and Translational Medicine</i> , 2021 , 11, e629	5.7	0
9	Single-Cell Microwell Platform Reveals Circulating Neural Cells as a Clinical Indicator for Patients with Blood-Brain Barrier Breakdown. <i>Research</i> , 2021 , 2021, 9873545	7.8	0
8	Temperature gap drives directed diffusion in microfluidic chip system. <i>Microfluidics and Nanofluidics</i> , 2019 , 23, 1	2.8	0
7	Typography-Like 3D-Printed Templates for the Lithography-Free Fabrication of Microfluidic Chips. <i>SLAS Technology</i> , 2020 , 25, 82-87	3	0

6	The optimization of combinatorial drug therapies: Strategies and laboratorial platforms. <i>Drug Discovery Today</i> , 2021 , 26, 2646-2659	8.8	o
5	Poly (N-vinylpyrrolidone) modification mitigates plasma protein corona formation on phosphomolybdate-based nanoparticles.. <i>Journal of Nanobiotechnology</i> , 2021 , 19, 445	9.4	o
4	Synergistic antitumor effects of compound-composed optimal formula from Aidi injection on hepatocellular carcinoma and colorectal cancer. <i>Phytomedicine</i> , 2022 , 154231	6.5	o
3	Validation of a universal and highly sensitive two-dimensional liquid chromatography-tandem mass spectrometry methodology for the quantification of pyrazinamide, ethambutol, protionamide, and clofazimine in different biological matrices. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2020 , 1151, 122141	3.2	
2	Harnessing Artificial Intelligence to Expedite Identification of Therapeutic Phytochemical Combination for Alcoholic Hepatic Injury. <i>Advanced Therapeutics</i> , 2021 , 4, 2100042	4.9	
1	Single-Cell Screening: Single-Cell Immunoblotting based on a Photoclick Hydrogel Enables High-Throughput Screening and Accurate Profiling of Exogenous Gene Expression (Adv. Mater. 22/2021). <i>Advanced Materials</i> , 2021 , 33, 2170172	24	