

Xianting Ding

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/3137234/xianting-ding-publications-by-year.pdf>

Version: 2024-04-25

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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	Recent Progresses in Electrochemical DNA Biosensors for MicroRNA Detection. <i>Phenomixs</i> , 2022 , 2, 18		2
112	Smartphone-Based Electrochemical Biosensors for Directly Detecting Serum-Derived Exosomes and Monitoring Their Secretion.. <i>Analytical Chemistry</i> , 2022 ,	7.8	4
111	2F-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
110	PD-L1CD8 T cells enrichment in lung cancer exerted regulatory function and tumor-promoting tolerance.. <i>IScience</i> , 2022 , 25, 103785	6.1	1
109	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
108	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	1
107	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
106	The Intriguing Landscape of Single-Cell Protein Analysis.. <i>Advanced Science</i> , 2022 , e2105932	13.6	4
105	Bioinspired Rotation Microneedles for Accurate Transdermal Positioning and Ultraminimal-Invasive Biomarker Detection with Mechanical Robustness.. <i>Research</i> , 2022 , 2022, 9869734	7.8	1
104	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
103	Expansion microscopy with ninefold swelling (NIFS) hydrogel permits cellular ultrastructure imaging on conventional microscope.. <i>Science Advances</i> , 2022 , 8, eabm4006	14.3	2
102	Synergistic antitumor effects of compound-composed optimal formula from Aidi injection on hepatocellular carcinoma and colorectal cancer. <i>Phytomedicine</i> , 2022 , 154231	6.5	0
101	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
100	Encountering and Wrestling: Neutrophils Recognize and Defensively Degrade Graphene Oxide. <i>Advanced Healthcare Materials</i> , 2021 , e2102439	10.1	2
99	CRISPR/Cas12a Powered DNA Framework-Supported Electrochemical Biosensing Platform for Ultrasensitive Nucleic Acid Analysis.. <i>Small Methods</i> , 2021 , 5, e2100935	12.8	4
98	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
97	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

96	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
95	Harnessing Artificial Intelligence to Expedite Identification of Therapeutic Phytochemical Combination for Alcoholic Hepatic Injury. <i>Advanced Therapeutics</i> , 2021 , 4, 2100042	4.9	
94	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
93	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
92	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
91	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
90	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	
89	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
88	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
87	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
86	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
85	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
84	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
83	Application of Microfluidics in Single-cell Manipulation, Omics and Drug Development. <i>Current Medicinal Chemistry</i> , 2021 ,	4.3	2
82	The optimization of combinatorial drug therapies: Strategies and laboratorial platforms. <i>Drug Discovery Today</i> , 2021 , 26, 2646-2659	8.8	0
81	Highly sensitive and portable mRNA detection platform for early cancer detection. <i>Journal of Nanobiotechnology</i> , 2021 , 19, 287	9.4	2
80	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
79	Poly (N-vinylpyrrolidone) modification mitigates plasma protein corona formation on phosphomolybdate-based nanoparticles.. <i>Journal of Nanobiotechnology</i> , 2021 , 19, 445	9.4	0

78	Progress and applications of mass cytometry in sketching immune landscapes. <i>Clinical and Translational Medicine</i> , 2020 , 10, e206	5.7	7
77	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	
76	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
75	Metal-Labeled Aptamers as Novel Nanoprobes for Imaging Mass Cytometry Analysis. <i>Analytical Chemistry</i> , 2020 , 92, 6312-6320	7.8	6
74	Simultaneous Optimization of Drug Combination Dose-Ratio Sequence with Innovative Design and Active Learning. <i>Advanced Therapeutics</i> , 2020 , 3, 1900135	4.9	4
73	A Photoclick Hydrogel for Enhanced Single-Cell Immunoblotting. <i>Advanced Functional Materials</i> , 2020 , 30, 1910739	15.6	3
72	Enabling Technologies for Personalized and Precision Medicine. <i>Trends in Biotechnology</i> , 2020 , 38, 497-518	8.1	71
71	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
70	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
69	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
68	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
67	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
66	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
65	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	9.5	6
64	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
63	Typography-Like 3D-Printed Templates for the Lithography-Free Fabrication of Microfluidic Chips. <i>SLAS Technology</i> , 2020 , 25, 82-87	3	0
62	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
61	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

60	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
59	A flyover style microfluidic chip for highly purified magnetic cell separation. <i>Biosensors and Bioelectronics</i> , 2019 , 129, 175-181	11.8	31
58	Oral pH sensitive GNS@ab nanoprobe for targeted therapy of <i>Helicobacter pylori</i> without disturbance gut microbiome. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2019 , 20, 102019	6	15
57	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
56	Colorimetric and Electrochemical Detection of <i>Escherichia coli</i> and Antibiotic Resistance Based on a p-Benzoquinone-Mediated Bioassay. <i>Analytical Chemistry</i> , 2019 , 91, 7524-7530	7.8	36
55	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
54	Microfluidic Device Directly Fabricated on Screen-Printed Electrodes for Ultrasensitive Electrochemical Sensing of PSA. <i>Nanoscale Research Letters</i> , 2019 , 14, 71	5	18
53	A Mass-Ratiometry-Based CD45 Barcoding Method for Mass Cytometry Detection. <i>SLAS Technology</i> , 2019 , 24, 408-419	3	2
52	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
51	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
50	Active DNA unwinding and transport by a membrane-adapted helicase nanopore. <i>Nature Communications</i> , 2019 , 10, 5083	17.4	16
49	Cellular Signaling Analysis shows antiviral, ribavirin-mediated ribosomal signaling modulation. <i>Antiviral Research</i> , 2019 , 171, 104598	10.8	2
48	Lymphocyte mass cytometry identifies a CD3-CD4+ cell subset with a potential role in psoriasis. <i>JCI Insight</i> , 2019 , 4,	9.9	7
47	Temperature gap drives directed diffusion in microfluidic chip system. <i>Microfluidics and Nanofluidics</i> , 2019 , 23, 1	2.8	0
46	Simultaneous determination of the potent anti-tuberculosis regimen-Pyrazinamide, ethambutol, prothionamide, 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
45	Recent advances in microfluidics for drug screening. <i>Biomicrofluidics</i> , 2019 , 13, 061503	3.2	17
44	A comparison framework and guideline of clustering methods for mass cytometry data. <i>Genome Biology</i> , 2019 , 20, 297	18.3	30
43	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

42	Pharmacological Review on Asiatic Acid and Its Derivatives: A Potential Compound. <i>SLAS Technology</i> , 2018 , 23, 111-127	3	34
41	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
40	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
39	High-Throughput Isolation of Circulating Tumor Cells Using Cascaded Inertial Focusing Microfluidic Channel. <i>Analytical Chemistry</i> , 2018 , 90, 4397-4405	7.8	49
38	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
37	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
36	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
35	Portable Infrared Isothermal PCR Platform for Multiple Sexually Transmitted Diseases Strand Detection. <i>Analytical Chemistry</i> , 2018 , 90, 11760-11763	7.8	1
34	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
33	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
32	Drug regimens identified and optimized by output-driven platform markedly reduce tuberculosis treatment time. <i>Nature Communications</i> , 2017 , 8, 14183	17.4	31
31	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
30	Continuous Adaptive Population Reduction (CAPR) for Differential Evolution Optimization. <i>SLAS Technology</i> , 2017 , 22, 289-305	3	7
29	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
28	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
27	Cell adhesion pattern created by OSTE polymers. <i>Biofabrication</i> , 2017 , 9, 025006	10.5	5
26	Effective drug combination for nematodes discovered by output-driven feedback system control technique. <i>Science Advances</i> , 2017 , 3, eaao1254	14.3	32
25	Cancer nanomedicine: from PDGF targeted drug delivery. <i>MedChemComm</i> , 2017 , 8, 2055-2059	5	10

24	An on-chip cell culturing and combinatorial drug screening system. <i>Microfluidics and Nanofluidics</i> , 2017 , 21, 1	2.8	13
23	Feedback System Control Optimized Electrospinning for Fabrication of an Excellent Superhydrophobic Surface. <i>Nanomaterials</i> , 2017 , 7,	5.4	8
22	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
21	Curcumin in Treating Breast Cancer: A Review. <i>Journal of the Association for Laboratory Automation</i> , 2016 , 21, 723-731		66
20	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
19	Optimization of drug combinations using Feedback System Control. <i>Nature Protocols</i> , 2016 , 11, 302-15	18.8	67
18	Bull serum albumin coated Au@Agnanorods as SERS probes for ultrasensitive osteosarcoma cell detection. <i>Talanta</i> , 2016 , 150, 503-9	6.2	17
17	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
16	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
15	A Review on Microfluidic Paper-Based Analytical Devices for Glucose Detection. <i>Sensors</i> , 2016 , 16,	3.8	72
14	Electrochemical detection of lung cancer specific microRNAs using 3D DNA origami nanostructures. <i>Biosensors and Bioelectronics</i> , 2015 , 71, 57-61	11.8	82
13	Rapid optimization of drug combinations for the optimal angiostatic treatment of cancer. <i>Angiogenesis</i> , 2015 , 18, 233-44	10.6	85
12	Protective effects of madecassoside against Doxorubicin induced nephrotoxicity in vivo and in vitro. <i>Scientific Reports</i> , 2015 , 5, 18314	4.9	39
11	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
10	A streamlined search technology for identification of synergistic drug combinations. <i>Scientific Reports</i> , 2015 , 5, 14508	4.9	60
9	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
8	Discovery of a low order drug-cell response surface for applications in personalized medicine. <i>Physical Biology</i> , 2014 , 11, 065003	3	24
7	NAD(+) treatment prevents rotenone-induced apoptosis and necrosis of differentiated PC12 cells. <i>Neuroscience Letters</i> , 2014 , 560, 46-50	3.3	17

6	CD38 plays key roles in both antioxidation and cell survival of H ₂ O ₂ -treated primary rodent astrocytes. <i>International Journal of Physiology, Pathophysiology and Pharmacology</i> , 2014 , 6, 102-8	3-4	6
5	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
4	Use of Fractional Factorial Designs in Antiviral Drug Studies. <i>Quality and Reliability Engineering International</i> , 2013 , 29, 299-304	2.6	24
3	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
2	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
1	Safety evaluation of nanodiamond-doxorubicin complexes in a Na \bar{m} e Beagle canine model using hematologic, histological, and urine analysis. <i>Nano Research</i> , 1	10	2