

Tza-Huei Wang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4090967/publications.pdf>

Version: 2024-02-01

135
papers

4,933
citations

117453

34
h-index

102304

66
g-index

142
all docs

142
docs citations

142
times ranked

6635
citing authors

#	ARTICLE	IF	CITATIONS
1	Cancer Cell Membrane-Coated Upconversion Nanoprobes for Highly Specific Tumor Imaging. <i>Advanced Materials</i> , 2016, 28, 3460-3466.	11.1	420
2	Red Blood Cell Membrane as a Biomimetic Nanocoating for Prolonged Circulation Time and Reduced Accelerated Blood Clearance. <i>Small</i> , 2015, 11, 6225-6236.	5.2	353
3	Advances in microfluidic PCR for point-of-care infectious disease diagnostics. <i>Biotechnology Advances</i> , 2011, 29, 830-839.	6.0	256
4	Electrokinetics in Micro Devices for Biotechnology Applications. <i>IEEE/ASME Transactions on Mechatronics</i> , 2004, 9, 366-376.	3.7	210
5	New and developing diagnostic technologies for urinary tract infections. <i>Nature Reviews Urology</i> , 2017, 14, 296-310.	1.9	195
6	Early Detection of Lung Cancer Using DNA Promoter Hypermethylation in Plasma and Sputum. <i>Clinical Cancer Research</i> , 2017, 23, 1998-2005.	3.2	193
7	A surface topography assisted droplet manipulation platform for biomarker detection and pathogen identification. <i>Lab on A Chip</i> , 2011, 11, 398-406.	3.1	155
8	Novel Methylation Biomarker Panel for the Early Detection of Pancreatic Cancer. <i>Clinical Cancer Research</i> , 2013, 19, 6544-6555.	3.2	129
9	Microfluidic continuous flow digital loop-mediated isothermal amplification (LAMP). <i>Lab on A Chip</i> , 2015, 15, 776-782.	3.1	122
10	Full-Range Magnetic Manipulation of Droplets via Surface Energy Traps Enables Complex Bioassays. <i>Advanced Materials</i> , 2013, 25, 2903-2908.	11.1	118
11	Digital CRISPR/Cas-Assisted Assay for Rapid and Sensitive Detection of SARS-CoV-2. <i>Advanced Science</i> , 2021, 8, 2003564.	5.6	116
12	Single-Molecule Tracing on a Fluidic Microchip for Quantitative Detection of Low-Abundance Nucleic Acids. <i>Journal of the American Chemical Society</i> , 2005, 127, 5354-5359.	6.6	114
13	Accelerating bacterial growth detection and antimicrobial susceptibility assessment in integrated picoliter droplet platform. <i>Biosensors and Bioelectronics</i> , 2017, 97, 260-266.	5.3	112
14	Topography-assisted electromagnetic platform for blood-to-PCR in a droplet. <i>Biosensors and Bioelectronics</i> , 2013, 50, 91-99.	5.3	89
15	Droplet microfluidics for amplification-free genetic detection of single cells. <i>Lab on A Chip</i> , 2012, 12, 3341.	3.1	81
16	A Biomimetic Nanodecoy Traps Zika Virus To Prevent Viral Infection and Fetal Microcephaly Development. <i>Nano Letters</i> , 2019, 19, 2215-2222.	4.5	69
17	Simple and Precise Counting of Viable Bacteria by Resazurin-Amplified Picoarray Detection. <i>Analytical Chemistry</i> , 2018, 90, 9449-9456.	3.2	65
18	Point-of-care CRISPR-Cas-assisted SARS-CoV-2 detection in an automated and portable droplet magnetofluidic device. <i>Biosensors and Bioelectronics</i> , 2021, 190, 113390.	5.3	65

#	ARTICLE	IF	CITATIONS
19	Nanoarray Digital Polymerase Chain Reaction with High-Resolution Melt for Enabling Broad Bacteria Identification and Phenotypic Molecular Antimicrobial Susceptibility Test. <i>Analytical Chemistry</i> , 2019, 91, 12784-12792.	3.2	63
20	Investigating cone photoreceptor development using patient-derived NRL null retinal organoids. <i>Communications Biology</i> , 2020, 3, 82.	2.0	62
21	Integrated Bacterial Identification and Antimicrobial Susceptibility Testing Using PCR and High-Resolution Melt. <i>Analytical Chemistry</i> , 2017, 89, 11529-11536.	3.2	61
22	Droplet microfluidics for high-sensitivity and high-throughput detection and screening of disease biomarkers. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2018, 10, e1522.	3.3	60
23	An all-in-one microfluidic device for parallel DNA extraction and gene analysis. <i>Biomedical Microdevices</i> , 2010, 12, 1043-1049.	1.4	58
24	Detection of Promoter DNA Methylation in Urine and Plasma Aids the Detection of Non-Small Cell Lung Cancer. <i>Clinical Cancer Research</i> , 2020, 26, 4339-4348.	3.2	57
25	Microfluidic platform for on-demand generation of spatially indexed combinatorial droplets. <i>Lab on a Chip</i> , 2012, 12, 3055.	3.1	53
26	Decoding Circulating Nucleic Acids in Human Serum Using Microfluidic Single Molecule Spectroscopy. <i>Journal of the American Chemical Society</i> , 2010, 132, 5793-5798.	6.6	50
27	Sample-to-Answer Droplet Magnetofluidic Platform for Point-of-Care Hepatitis C Viral Load Quantitation. <i>Scientific Reports</i> , 2018, 8, 9793.	1.6	49
28	Magnetic Droplet Manipulation Platforms for Nucleic Acid Detection at the Point of Care. <i>Annals of Biomedical Engineering</i> , 2014, 42, 2289-2302.	1.3	48
29	DREAMing: a simple and ultrasensitive method for assessing intratumor epigenetic heterogeneity directly from liquid biopsies. <i>Nucleic Acids Research</i> , 2015, 43, e154-e154.	6.5	48
30	Single-cell transcriptomic reveals molecular diversity and developmental heterogeneity of human stem cell-derived oligodendrocyte lineage cells. <i>Nature Communications</i> , 2021, 12, 652.	5.8	47
31	Trainable High Resolution Melt Curve Machine Learning Classifier for Large-Scale Reliable Genotyping of Sequence Variants. <i>PLoS ONE</i> , 2014, 9, e109094.	1.1	47
32	Extraction and processing of circulating DNA from large sample volumes using methylation on beads for the detection of rare epigenetic events. <i>Clinica Chimica Acta</i> , 2013, 425, 169-175.	0.5	45
33	Emerging Analytical Techniques for Rapid Pathogen Identification and Susceptibility Testing. <i>Annual Review of Analytical Chemistry</i> , 2019, 12, 41-67.	2.8	45
34	Molecular rheotaxis directs DNA migration and concentration against a pressure-driven flow. <i>Nature Communications</i> , 2017, 8, 1213.	5.8	41
35	A portable magnetofluidic platform for detecting sexually transmitted infections and antimicrobial susceptibility. <i>Science Translational Medicine</i> , 2021, 13, .	5.8	41
36	Facile profiling of molecular heterogeneity by microfluidic digital melt. <i>Science Advances</i> , 2018, 4, eaat6459.	4.7	37

#	ARTICLE	IF	CITATIONS
37	Long Interspersed Nuclear Element 1 Retrotransposons Become Deregulated during the Development of Ovarian Cancer Precursor Lesions. <i>American Journal of Pathology</i> , 2019, 189, 513-520.	1.9	35
38	Cylindrical Illumination Confocal Spectroscopy: Rectifying the Limitations of Confocal Single Molecule Spectroscopy through One-Dimensional Beam Shaping. <i>Biophysical Journal</i> , 2008, 95, 2964-2975.	0.2	34
39	Nested Machine Learning Facilitates Increased Sequence Content for Large-Scale Automated High Resolution Melt Genotyping. <i>Scientific Reports</i> , 2016, 6, 19218.	1.6	34
40	Single-Molecule Analysis Enables Free Solution Hydrodynamic Separation Using Yoctomole Levels of DNA. <i>Journal of the American Chemical Society</i> , 2011, 133, 6898-6901.	6.6	33
41	A Barcode-Free Combinatorial Screening Platform for Matrix Metalloproteinase Screening. <i>Analytical Chemistry</i> , 2015, 87, 1950-1956.	3.2	33
42	Elimination of Ligation Dependent Artifacts in T4 RNA Ligase to Achieve High Efficiency and Low Bias MicroRNA Capture. <i>PLoS ONE</i> , 2014, 9, e94619.	1.1	33
43	Universal digital high-resolution melt: a novel approach to broad-based profiling of heterogeneous biological samples. <i>Nucleic Acids Research</i> , 2013, 41, e175-e175.	6.5	32
44	Novel droplet platforms for the detection of disease biomarkers. <i>Expert Review of Molecular Diagnostics</i> , 2014, 14, 787-801.	1.5	30
45	Applying biosensor development concepts to improve preamplification-free CRISPR/Cas12a-Dx. <i>Analyst, The</i> , 2020, 145, 4880-4888.	1.7	30
46	Analysis of single nucleic acid molecules in micro- and nano-fluidics. <i>Lab on A Chip</i> , 2016, 16, 790-811.	3.1	29
47	Droplet-Based Single-Cell Measurements of 16S rRNA Enable Integrated Bacteria Identification and Phenotypic Molecular Antimicrobial Susceptibility Testing from Clinical Samples in 30 min. <i>Advanced Science</i> , 2021, 8, 2003419.	5.6	29
48	Droplet Digital Enzyme-Linked Oligonucleotide Hybridization Assay for Absolute RNA Quantification. <i>Scientific Reports</i> , 2015, 5, 13795.	1.6	28
49	Optimizing peptide nucleic acid probes for hybridization-based detection and identification of bacterial pathogens. <i>Analyst, The</i> , 2019, 144, 1565-1574.	1.7	27
50	Direct Interrogation of DNA Content Distribution in Nanoparticles by a Novel Microfluidics-Based Single-Particle Analysis. <i>Nano Letters</i> , 2014, 14, 4729-4735.	4.5	25
51	A Serial Sample Loading System: Interfacing Multiwell Plates with Microfluidic Devices. <i>Journal of the Association for Laboratory Automation</i> , 2012, 17, 370-377.	2.8	23
52	A droplet microfluidic approach to single-stream nucleic acid isolation and mutation detection. <i>Microfluidics and Nanofluidics</i> , 2014, 17, 425-430.	1.0	22
53	A parallelized microfluidic DNA bisulfite conversion module for streamlined methylation analysis. <i>Biomedical Microdevices</i> , 2016, 18, 5.	1.4	22
54	Prognostic Value of Survival of MicroRNAs Signatures in Non-small Cell Lung Cancer. <i>Journal of Cancer</i> , 2019, 10, 5793-5804.	1.2	22

#	ARTICLE	IF	CITATIONS
55	A "Culture" Shift: Broad Bacterial Detection, Identification, and Antimicrobial Susceptibility Testing Directly from Whole Blood. <i>Clinical Chemistry</i> , 2018, 64, 1453-1462.	1.5	21
56	Widespread gene transfer to malignant gliomas with In vitro-to-In vivo correlation. <i>Journal of Controlled Release</i> , 2019, 303, 1-11.	4.8	21
57	Nanotube assisted microwave electroporation for single cell pathogen identification and antimicrobial susceptibility testing. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2019, 17, 246-253.	1.7	21
58	Direct-qPCR Assay for Coupled Identification and Antimicrobial Susceptibility Testing of <i>Neisseria gonorrhoeae</i> . <i>ACS Infectious Diseases</i> , 2018, 4, 1377-1384.	1.8	20
59	Customizing droplet contents and dynamic ranges via integrated programmable picodroplet assembler. <i>Microsystems and Nanoengineering</i> , 2019, 5, 22.	3.4	20
60	Single Molecule Hydrodynamic Separation Allows Sensitive and Quantitative Analysis of DNA Conformation and Binding Interactions in Free Solution. <i>Journal of the American Chemical Society</i> , 2016, 138, 319-327.	6.6	19
61	Defining, distinguishing and detecting the contribution of heterogeneous methylation to cancer heterogeneity. <i>Seminars in Cell and Developmental Biology</i> , 2017, 64, 5-17.	2.3	19
62	Combating Antimicrobial Resistance via Single-Cell Diagnostic Technologies Powered by Droplet Microfluidics. <i>Accounts of Chemical Research</i> , 2022, 55, 123-133.	7.6	19
63	Digital electrical impedance analysis for single bacterium sensing and antimicrobial susceptibility testing. <i>Lab on A Chip</i> , 2021, 21, 1073-1083.	3.1	18
64	Magnetofluidic immuno-PCR for point-of-care COVID-19 serological testing. <i>Biosensors and Bioelectronics</i> , 2022, 195, 113656.	5.3	18
65	Point-of-Care Platform for Rapid Multiplexed Detection of SARS-CoV-2 Variants and Respiratory Pathogens. <i>Advanced Materials Technologies</i> , 2022, 7, 2101013.	3.0	18
66	A Simple Thermoplastic Substrate Containing Hierarchical Silica Lamellae for High-Molecular-Weight DNA Extraction. <i>Advanced Materials</i> , 2016, 28, 10630-10636.	11.1	17
67	Toward Decentralizing Antibiotic Susceptibility Testing via Ready-to-Use Microwell Array and Resazurin-Aided Colorimetric Readout. <i>Analytical Chemistry</i> , 2021, 93, 1260-1265.	3.2	17
68	A Cascaded Droplet Microfluidic Platform Enables High-Throughput Single Cell Antibiotic Susceptibility Testing at Scale. <i>Small Methods</i> , 2022, 6, e2101254.	4.6	17
69	Ratiometric Fluorescence Coding for Multiplex Nucleic Acid Amplification Testing. <i>Analytical Chemistry</i> , 2018, 90, 12180-12186.	3.2	16
70	Highly Efficient Real-Time Droplet Analysis Platform for High-Throughput Interrogation of DNA Sequences by Melt. <i>Analytical Chemistry</i> , 2019, 91, 11275-11282.	3.2	14
71	Rab8 GTPase regulates Klotho-mediated inhibition of cell growth and progression by directly modulating its surface expression in human non-small cell lung cancer. <i>EBioMedicine</i> , 2019, 49, 118-132.	2.7	14
72	Determination of absolute expression profiles using multiplexed miRNA analysis. <i>PLoS ONE</i> , 2017, 12, e0180988.	1.1	14

#	ARTICLE	IF	CITATIONS
73	Efficient synthesis of stably adenylated DNA and RNA adapters for microRNA capture using T4 RNA ligase 1. <i>Scientific Reports</i> , 2015, 5, 15620.	1.6	13
74	Rapid generation of chemical combinations on a magnetic digital microfluidic array. <i>RSC Advances</i> , 2019, 9, 21741-21747.	1.7	13
75	High resolution estimates of relative gene abundance with quantitative ratiometric regression PCR (qRR-PCR). <i>Analyst, The</i> , 2021, 146, 6463-6469.	1.7	13
76	Portable Magnetofluidic Device for Point-of-Need Detection of African Swine Fever. <i>Analytical Chemistry</i> , 2021, 93, 10940-10946.	3.2	13
77	Bridging the gap between development of point-of-care nucleic acid testing and patient care for sexually transmitted infections. <i>Lab on A Chip</i> , 2022, 22, 476-511.	3.1	13
78	A sample-to-answer droplet magnetofluidic assay platform for quantitative methylation-specific PCR. <i>Biomedical Microdevices</i> , 2018, 20, 31.	1.4	12
79	Combinatorial nanodroplet platform for screening antibiotic combinations. <i>Lab on A Chip</i> , 2022, 22, 621-631.	3.1	12
80	Programmable microfluidic genotyping of plant DNA samples for marker-assisted selection. <i>Microsystems and Nanoengineering</i> , 2018, 4, .	3.4	11
81	Facile Coupling of Droplet Magnetofluidic-Enabled Automated Sample Preparation for Digital Nucleic Acid Amplification Testing and Analysis. <i>Analytical Chemistry</i> , 2020, 92, 13254-13261.	3.2	11
82	Facile syringe filter-enabled bacteria separation, enrichment, and buffer exchange for clinical isolation-free digital detection and characterization of bacterial pathogens in urine. <i>Analyst, The</i> , 2021, 146, 2475-2483.	1.7	11
83	Filtration-assisted magnetofluidic cartridge platform for HIV RNA detection from blood. <i>Lab on A Chip</i> , 2022, 22, 945-953.	3.1	11
84	Pressure induced lung injury in a novel in vitro model of the alveolar interface: Protective effect of dexamethasone. <i>Journal of Pediatric Surgery</i> , 2014, 49, 61-65.	0.8	10
85	Fluorescence spectroscopic detection and measurement of single telomere molecules. <i>Nucleic Acids Research</i> , 2018, 46, e117-e117.	6.5	10
86	RNA markers for ultra-rapid molecular antimicrobial susceptibility testing in fluoroquinolone-treated <i>Klebsiella pneumoniae</i> . <i>Journal of Antimicrobial Chemotherapy</i> , 2020, 75, 1747-1755.	1.3	10
87	A Rapid Single-Cell Antimicrobial Susceptibility Testing Workflow for Bloodstream Infections. <i>Biosensors</i> , 2021, 11, 288.	2.3	10
88	Discerning single molecule interactions of DNA and quantum dots. <i>Biotechnology Journal</i> , 2013, 8, 15-16.	1.8	9
89	Droplet Array Platform for High-Resolution Melt Analysis of DNA Methylation Density. <i>Journal of the Association for Laboratory Automation</i> , 2014, 19, 304-312.	2.8	9
90	Versatile Analysis of DNA-Biomolecule Interactions in Solution by Hydrodynamic Separation and Single Molecule Detection. <i>Analytical Chemistry</i> , 2019, 91, 2822-2830.	3.2	9

#	ARTICLE	IF	CITATIONS
91	A Novel Platform Using RNA Signatures To Accelerate Antimicrobial Susceptibility Testing in <i>Neisseria gonorrhoeae</i> . <i>Journal of Clinical Microbiology</i> , 2020, 58, .	1.8	8
92	ddRFC: A scalable multiplexed droplet digital nucleic acid amplification test platform. <i>Biosensors and Bioelectronics</i> , 2020, 167, 112499.	5.3	8
93	An AC electroosmotic processor for biomolecules. , 0, , .		7
94	Technological Advances in Multiscale Analysis of Single Cells in Biomedicine. <i>Advanced Biology</i> , 2019, 3, 1900138.	3.0	7
95	Ligation-Enabled Fluorescence-Coding PCR for High-Dimensional Fluorescence-Based Nucleic Acid Detection. <i>Analytical Chemistry</i> , 2021, 93, 2351-2358.	3.2	7
96	A vacuum-assisted, highly parallelized microfluidic array for performing multi-step digital assays. <i>Lab on A Chip</i> , 2021, 21, 4716-4724.	3.1	7
97	Enhancing Throughput of Combinatorial Droplet Devices via Droplet Bifurcation, Parallelized Droplet Fusion, and Parallelized Detection. <i>Micromachines</i> , 2015, 6, 1490-1504.	1.4	6
98	Ultra-thin, evaporation-resistant PDMS devices for absolute quantification of DNA using digital PCR. , 2015, , .		6
99	Impedance feedback control of microfluidic valves for reliable post processing combinatorial droplet injection. <i>Biomedical Microdevices</i> , 2017, 19, 61.	1.4	6
100	Leveraging locus-specific epigenetic heterogeneity to improve the performance of blood-based DNA methylation biomarkers. <i>Clinical Epigenetics</i> , 2020, 12, 154.	1.8	5
101	Micro and Nanotechnologies Enhanced Biomolecular Sensing. <i>Biosensors</i> , 2013, 3, 283-285.	2.3	4
102	Healthcare Worker Feedback on a Prototype Smartphone-Based Point-of-Care Test Platform for Use in Episodic Care. <i>Point of Care</i> , 2018, 17, 63-65.	0.5	4
103	Electrode-Free Concentration and Recovery of DNA at Physiologically Relevant Ionic Concentrations. <i>Analytical Chemistry</i> , 2020, 92, 6150-6157.	3.2	4
104	Ratiometric PCR in a Portable Sample-to-Result Device for Broad-Based Pathogen Identification. <i>Analytical Chemistry</i> , 0, , .	3.2	4
105	Emerging platforms for high-throughput enzymatic bioassays. <i>Trends in Biotechnology</i> , 2023, 41, 120-133.	4.9	4
106	A Portable Droplet Magnetofluidic Device for Point-of-Care Detection of Multidrug-Resistant <i>Candida auris</i> . <i>Frontiers in Bioengineering and Biotechnology</i> , 2022, 10, 826694.	2.0	3
107	Nano/micro technologies for single molecule manipulation and detection. , 0, , .		2
108	Quantum dot FRET linker probes for highly sensitive DNA methylation detection. , 2012, , .		2

#	ARTICLE	IF	CITATIONS
109	A Multiplex Ligation Assay for miRNA Copy Number Profiling. <i>Methods in Molecular Biology</i> , 2017, 1509, 185-193.	0.4	2
110	Droplet Magnetofluidic Assay Platform for Quantitative Methylation-Specific PCR. <i>Methods in Molecular Biology</i> , 2022, 2394, 199-209.	0.4	2
111	Single bio-molecule detection with quantum dots in a microchannel. , 0, , .		1
112	High-Degree Concentration of Bio-agents using Electrokinetic Manipulations. , 2006, , .		1
113	Quantitative kinetic analysis of DNA nanocomplex self-assembly with Quantum Dots FRET in a microfluidic device. <i>Proceedings of the IEEE International Conference on Micro Electro Mechanical Systems (MEMS)</i> , 2008, , .	0.0	1
114	An automated all-in-one microfluidic device for parallel solid phase DNA extraction and droplet-in-oil PCR analysis. , 2010, , .		1
115	Quantum Dots-Enabled High-Resolution Analysis of Gene Copy Number Variation. <i>IEEE Nanotechnology Magazine</i> , 2011, 5, 23-27.	0.9	1
116	A microfluidic droplet platform for multiplexed single nucleotide polymorphism analysis of an array plant genomic DNA samples. , 2013, , .		1
117	Spatially encoded picoliter droplet groups for high-throughput combinatorial analysis. , 2017, , .		1
118	Ratiometric Multiplexed PCR Assay on a Portable Platform for Bacterial Identification from Urine. , 2019, , .		1
119	Rapid Pathogen Detection and Antimicrobial Susceptibility Assessment from Urine Samples Via Amplification-Free Detection of Ribosomal RNA of Single-Bacteria. , 2019, , .		1
120	Antimicrobial Susceptibility Testing of <i>Neisseria gonorrhoeae</i> using a Phenotypic-Molecular Assay and Lyophilized Antimicrobials. <i>Diagnostic Microbiology and Infectious Disease</i> , 2021, 102, 115590.	0.8	1
121	A Programmable Nanodroplet Device with Direct Sample-to-Droplet Interface toward High-Throughput Screening. , 2020, , .		1
122	High-throughput sample processing for methylation analysis in an automated, enclosed environment. <i>SLAS Technology</i> , 2021, , .	1.0	1
123	Multiplexed Detection of Anthrax Sequences with Quantum Dot Nanoprobes. , 2006, , .		0
124	Detect the dots. <i>IEEE Nanotechnology Magazine</i> , 2008, 2, 15-16.	0.9	0
125	High throughput DNA methylation analysis on a droplet-in-oil polymerase chain reaction array. , 2009, , .		0
126	Quantum dots-enabled high resolution analysis of gene copy number variation. , 2011, , .		0

#	ARTICLE	IF	CITATIONS
127	An active gyroscopic magnetic micromixer for rapid fluid mixing in droplet based microfluidic systems. , 2011, , .		0
128	Quantum dot electrophoretic mobility shift assay and its application to the measurement of exonuclease activity. , 2012, , .		0
129	Flip-drop: Droplet array created by surface energy trap for combinatorial screening. , 2013, , .		0
130	All-in-one droplet platform for multiplexed genetic detection in blood. , 2013, , .		0
131	DNA Extraction: A Simple Thermoplastic Substrate Containing Hierarchical Silica Lamellae for High-Molecular-Weight DNA Extraction (Adv. Mater. 48/2016). Advanced Materials, 2016, 28, 10810-10810.	11.1	0
132	In-line DNA preconcentration, size separation, and single molecule detection without applied electric fields. , 2016, , .		0
133	A portable droplet magnetofluidic platform for automated RNA quantification and analysis. , 2017, , .		0
134	A Vacuum-Driven Microfluidic Array for Multi-Step Sample Digitalization. , 2021, , .		0
135	Robotic Printed Combinatorial Droplet (RoboDrop) for Antibiotic Combination Screening. , 2022, , .		0