

Ling Yu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5614679/publications.pdf>

Version: 2024-02-01

91
papers

2,574
citations

201385

27
h-index

214527

47
g-index

94
all docs

94
docs citations

94
times ranked

4249
citing authors

#	ARTICLE	IF	CITATIONS
1	Controlled release of metal phenolic network protected phage for treating bacterial infection. <i>Nanotechnology</i> , 2022, 33, 165102.	1.3	5
2	Lyophilized Gelatin@non-Woven Scaffold to Promote Spheroids Formation and Enrich Cancer Stem Cell Incidence. <i>Nanomaterials</i> , 2022, 12, 808.	1.9	0
3	Co3O4 Nanoparticles Uniformly Dispersed in Rational Porous Carbon Nano-Boxes for Significantly Enhanced Electrocatalytic Detection of H2O2 Released from Living Cells. <i>International Journal of Molecular Sciences</i> , 2022, 23, 3799.	1.8	7
4	Adhesive tape-assisted etching of silk fibroin film with LiBr aqueous solution for microfluidic devices. <i>Materials Science and Engineering C</i> , 2021, 118, 111543.	3.8	12
5	Cutting and Bonding Parafilm® to Fast Prototyping Flexible Hanging Drop Chips for 3D Spheroid Cultures. <i>Cellular and Molecular Bioengineering</i> , 2021, 14, 187-199.	1.0	10
6	Prenatal exposure to organochlorine pesticides and infant growth: A longitudinal study. <i>Environment International</i> , 2021, 148, 106374.	4.8	13
7	Screen-printed analytical strip constructed with bacteria-templated porous N-doped carbon nanorods/Au nanoparticles for sensitive electrochemical detection of dopamine molecules. <i>Biosensors and Bioelectronics</i> , 2021, 186, 113303.	5.3	34
8	In situ preparation of porous metal-organic frameworks ZIF-8@Ag on poly-ether-ether-ketone with synergistic antibacterial activity. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021, 205, 111920.	2.5	31
9	Constructing Silk Fibroin-Based Three-Dimensional Microfluidic Devices via a Tape Mask-Assisted Multiple-Step Etching Technique. <i>ACS Applied Bio Materials</i> , 2021, 4, 8039-8048.	2.3	8
10	Multipath exciton harvesting in diazine-based luminescent materials and their applications for organic light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2021, 9, 17265-17286.	2.7	16
11	On-chip RT-LAMP and colorimetric detection of the prostate cancer 3 biomarker with an integrated thermal and imaging box. <i>Talanta</i> , 2020, 208, 120407.	2.9	32
12	Ultrasensitive and regenerable nanopore sensing based on target induced aptamer dissociation. <i>Biosensors and Bioelectronics</i> , 2020, 152, 112011.	5.3	8
13	Transgenic PDGF-BB/sericin hydrogel supports for cell proliferation and osteogenic differentiation. <i>Biomaterials Science</i> , 2020, 8, 657-672.	2.6	23
14	A smartphone-supported portable micro-spectroscopy/imaging system to characterize morphology and spectra of samples at the microscale. <i>Analytical Methods</i> , 2020, 12, 4166-4171.	1.3	5
15	A one-step tannic acid coating to improve cell adhesion and proliferation on polydimethylsiloxane. <i>New Journal of Chemistry</i> , 2020, 44, 15140-15147.	1.4	13
16	One-Step Dip-Coating-Fabricated Core-Shell Silk Fibroin Rice Paper Fibrous Scaffolds for 3D Tumor Spheroid Formation. <i>ACS Applied Bio Materials</i> , 2020, 3, 7462-7471.	2.3	10
17	Facile Synthesis of Fe ₃ O ₄ @Tannic Acid@Au Nanocomposites as a Catalyst for 4-Nitrophenol and Methylene Blue Removal. <i>ACS Omega</i> , 2020, 5, 20903-20911.	1.6	23
18	Re-stickable All-Solid-State Supercapacitor Supported by Cohesive Thermoplastic for Textile Electronics. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 45322-45331.	4.0	11

#	ARTICLE	IF	CITATIONS
19	Facile and Low-Cost Fabrication of a Thread/Paper-Based Wearable System for Simultaneous Detection of Lactate and pH in Human Sweat. <i>Advanced Fiber Materials</i> , 2020, 2, 265-278.	7.9	60
20	Hydrophilic Porous Polydimethylsiloxane Sponge as a Novel 3D Matrix Mimicking Heterogeneous Pores in Soil for Plant Cultivation. <i>Polymers</i> , 2020, 12, 140.	2.0	3
21	Genetic fabrication of functional silk mats with improved cell proliferation activity for medical applications. <i>Biomaterials Science</i> , 2019, 7, 4536-4546.	2.6	12
22	Detection of alkaline phosphatase activity with a functionalized nanopipette. <i>Electrochemistry Communications</i> , 2019, 99, 71-74.	2.3	27
23	Atomic matching catalysis to realize a highly selective and sensitive biomimetic uric acid sensor. <i>Biosensors and Bioelectronics</i> , 2019, 141, 111421.	5.3	28
24	Freeze-drying prepared ready-to-use gelatin @polypropylene nonwoven hybrid sheet for stacking 3D cell culture. <i>Cellulose</i> , 2019, 26, 6755-6768.	2.4	4
25	Multi-chamber petaloid root-growth chip for the non-destructive study of the development and physiology of the fibrous root system of <i>Oryza sativa</i> . <i>Lab on A Chip</i> , 2019, 19, 2383-2393.	3.1	13
26	Stimuli responsive PEGylated bismuth selenide hollow nanocapsules for fluorescence/CT imaging and light-driven multimodal tumor therapy. <i>Biomaterials Science</i> , 2019, 7, 3025-3040.	2.6	24
27	A wearable, cotton thread/paper-based microfluidic device coupled with smartphone for sweat glucose sensing. <i>Cellulose</i> , 2019, 26, 4553-4562.	2.4	106
28	Sensitive colorimetric detection of ochratoxin A by a dual-functional Au/Fe ₃ O ₄ nanohybrid-based aptasensor. <i>RSC Advances</i> , 2019, 9, 38590-38596.	1.7	12
29	Improved analytical performance of smartphone-based colorimetric analysis by using a power-free imaging box. <i>Sensors and Actuators B: Chemical</i> , 2019, 281, 253-261.	4.0	31
30	Genetically engineered bi-functional silk material with improved cell proliferation and anti-inflammatory activity for medical application. <i>Acta Biomaterialia</i> , 2019, 86, 148-157.	4.1	28
31	Spontaneous formation of tumor spheroid on a hydrophilic filter paper for cancer stem cell enrichment. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 174, 426-434.	2.5	16
32	Flexible electronic skin with nanostructured interfaces via flipping over electroless deposited metal electrodes. <i>Journal of Colloid and Interface Science</i> , 2019, 534, 618-624.	5.0	14
33	A Foldable Chip Array for the Continuous Investigation of Seed Germination and the Subsequent Root Development of Seedlings. <i>Micromachines</i> , 2019, 10, 884.	1.4	2
34	3D-Printed seed planter and well array for high-throughput seed germination screening. <i>Integrative Biology (United Kingdom)</i> , 2018, 10, 67-73.	0.6	3
35	Efficient in situ growth of enzyme-inorganic hybrids on paper strips for the visual detection of glucose. <i>Biosensors and Bioelectronics</i> , 2018, 99, 603-611.	5.3	56
36	Smartphone supported backlight illumination and image acquisition for microfluidic-based point-of-care testing. <i>Biomedical Optics Express</i> , 2018, 9, 4604.	1.5	11

#	ARTICLE	IF	CITATIONS
37	Fast Start-Up Microfluidic Microbial Fuel Cells With Serpentine Microchannel. <i>Frontiers in Microbiology</i> , 2018, 9, 2816.	1.5	14
38	Separation and Characterization of Prostate Cancer Cell Subtype according to Their Motility Using a Multi-Layer CiGiP Culture. <i>Micromachines</i> , 2018, 9, 660.	1.4	9
39	Label-free electrochemical sensor to investigate the effect of tocopherol on generation of superoxide ions following UV irradiation. <i>Journal of Biological Engineering</i> , 2018, 12, 17.	2.0	2
40	Transgenic Silkworm-Based Silk Gland Bioreactor for Large Scale Production of Bioactive Human Platelet-Derived Growth Factor (PDGF-BB) in Silk Cocoons. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2533.	1.8	25
41	Cohesive thermoplastic-assisted patterning and assembly of a textile-supported piezoresistive sensor for monitoring human vital signs. <i>Smart Materials and Structures</i> , 2018, 27, 105027.	1.8	17
42	Fabrication of the FGF1-functionalized sericin hydrogels with cell proliferation activity for biomedical application using genetically engineered <i>Bombyx mori</i> (<i>B. mori</i>) silk. <i>Acta Biomaterialia</i> , 2018, 79, 239-252.	4.1	46
43	Chitosan functionalization to prolong stable hydrophilicity of cotton thread for thread-based analytical device application. <i>Cellulose</i> , 2018, 25, 4831-4840.	2.4	21
44	Fast and low-cost patterning of electrodes on versatile 2D and 3D substrates by cutting and origami cohesive thermoplastic for biosensing applications. <i>Sensors and Actuators B: Chemical</i> , 2018, 255, 2431-2436.	4.0	7
45	DNA@Mn3(PO4)2 Nanoparticles Supported with Graphene Oxide as Photoelectrodes for Photoelectrocatalysis. <i>Nanoscale Research Letters</i> , 2017, 12, 17.	3.1	14
46	A β -carotene desaturase gene, <i>lbZDS</i> , increases β -carotene and lutein contents and enhances salt tolerance in transgenic sweetpotato. <i>Plant Science</i> , 2017, 262, 39-51.	1.7	64
47	Design and fabrication of highly sensitive and stable biochip for glucose biosensing. <i>Applied Surface Science</i> , 2017, 422, 900-904.	3.1	14
48	Integration of paper and micropipette tip to build a "sample-in, answer-out" point-of-care device. <i>Microfluidics and Nanofluidics</i> , 2017, 21, 1.	1.0	10
49	Redefining Chinese calligraphy rice paper: an economical and cytocompatible substrate for cell biological assays. <i>RSC Advances</i> , 2017, 7, 41017-41023.	1.7	8
50	Probing of peripheral blood mononuclear cells anchoring on TNF-alpha challenged-vascular endothelia in an in vitro model of the retinal microvascular. <i>Biomedical Microdevices</i> , 2017, 19, 54.	1.4	4
51	Microfluidic Paper-Based Analytical Devices for Point-of-Care Diagnosis. , 2017, , 365-396.		2
52	Identification and Characterization of Dpo42, a Novel Depolymerase Derived from the Escherichia coli Phage ν B_EcoM_ECOO78. <i>Frontiers in Microbiology</i> , 2017, 8, 1460.	1.5	63
53	Label-Free Detection of Chondroitin Sulphate Proteoglycan 4 by a Polyaniline/Graphene Nanocomposite Functionalized Impedimetric Immunosensor. <i>Journal of Nanomaterials</i> , 2016, 2016, 1-8.	1.5	9
54	Combining complement fixation and luminol chemiluminescence for ultrasensitive detection of avian influenza A rH7N9. <i>Analyst</i> , The, 2016, 141, 2061-2066.	1.7	3

#	ARTICLE	IF	CITATIONS
55	Fast prototyping of a customized microfluidic device in a non-clean-room setting by cutting and laminating Parafilm®. RSC Advances, 2016, 6, 85468-85472.	1.7	18
56	Monitoring of TGF- β 1-Induced Human Lung Adenocarcinoma A549 Cells Epithelial-Mesenchymal Transformation Process by Measuring Cell Adhesion Force with a Microfluidic Device. Applied Biochemistry and Biotechnology, 2016, 178, 114-125.	1.4	16
57	A cost-effective microdevice bridges microfluidic and conventional in vitro scratch / wound-healing assay for personalized therapy validation. Biochip Journal, 2016, 10, 56-64.	2.5	12
58	Versatile microfluidic complement fixation test for disease biomarker detection. Analytica Chimica Acta, 2016, 916, 67-76.	2.6	5
59	Electrospinning Synthesis of Porous CoWO ₄ Nanofibers as an Ultrasensitive, Nonenzymatic, Hydrogen Peroxide Sensing Interface with Enhanced Electrocatalysis. ChemElectroChem, 2015, 2, 2061-2070.	1.7	15
60	Mitigated reactive oxygen species generation leads to an improvement of cell proliferation on poly[glycidyl methacrylate-co-poly(ethylene glycol) methacrylate] functionalized polydimethylsiloxane surfaces. Journal of Biomedical Materials Research - Part A, 2015, 103, 2987-2997.	2.1	9
61	A one-piece lateral flow impedimetric test strip for label-free clenbuterol detection. Analytical Methods, 2015, 7, 4957-4964.	1.3	20
62	Microfluidic paper-based analytical devices fabricated by low-cost photolithography and embossing of Parafilm®. Lab on A Chip, 2015, 15, 1642-1645.	3.1	107
63	Disposable lateral flow-through strip for smartphone-camera to quantitatively detect alkaline phosphatase activity in milk. Biosensors and Bioelectronics, 2015, 69, 307-315.	5.3	108
64	Atom transfer radical polymerization to fabricate monodisperse poly[glycidyl methacrylate-co-poly(ethylene glycol) methacrylate] microspheres and its application for protein affinity purification. Journal of Colloid and Interface Science, 2015, 453, 151-158.	5.0	4
65	Shape-controlled ceria-reduced graphene oxide nanocomposites toward high-sensitive in situ detection of nitric oxide. Biosensors and Bioelectronics, 2015, 70, 310-317.	5.3	44
66	One-post patterning of multiple protein gradients using a low-cost flash foam stamp. Chemical Communications, 2015, 51, 17588-17591.	2.2	7
67	Bi-Module Sensing Device to In Situ Quantitatively Detect Hydrogen Peroxide Released from Migrating Tumor Cells. PLoS ONE, 2015, 10, e0127610.	1.1	6
68	DNA-Templated Biomimetic Enzyme Sheets on Carbon Nanotubes to Sensitive In Situ Detect Superoxide Anions Released from Cells. Advanced Functional Materials, 2014, 24, 5897-5903.	7.8	59
69	Dual signal amplification of surface plasmon resonance imaging for sensitive immunoassay of tumor marker. Analytical Biochemistry, 2014, 453, 16-21.	1.1	35
70	Electrodes/paper sandwich devices for in situ sensing of hydrogen peroxide secretion from cells growing in gels-in-paper 3-dimensional matrix. Analytical Methods, 2014, 6, 4446-4454.	1.3	22
71	Involvement of superoxide and nitric oxide in BRAF ^{V600E} inhibitor PLX4032-induced growth inhibition of melanoma cells. Integrative Biology (United Kingdom), 2014, 6, 1211-1217.	0.6	21
72	Fabrication of CeO ₂ nanoparticle-modified silk for UV protection and antibacterial applications. Journal of Colloid and Interface Science, 2014, 435, 8-14.	5.0	98

#	ARTICLE	IF	CITATIONS
73	PDGFR α up-regulation mediated by sonic hedgehog pathway activation leads to BRAF inhibitor resistance in melanoma cells with BRAF mutation. <i>Oncotarget</i> , 2014, 5, 1926-1941.	0.8	57
74	Abstract 3703: PDGFR α up-regulation mediated by Sonic Hedgehog Pathway activation leads to BRAF inhibitor resistance in melanoma cells with BRAF mutation. , 2014, , .		0
75	On-chip investigation of cell-drug interactions. <i>Advanced Drug Delivery Reviews</i> , 2013, 65, 1556-1574.	6.6	33
76	Advances of lab-on-a-chip in isolation, detection and post-processing of circulating tumour cells. <i>Lab on A Chip</i> , 2013, 13, 3163.	3.1	100
77	Tumor Antigen-Specific Monoclonal Antibody-Based Immunotherapy, Cancer Initiating Cells and Disease Recurrence. <i>Resistance To Targeted Anti-cancer Therapeutics</i> , 2013, , 25-47.	0.1	4
78	The CSPG4-specific monoclonal antibody enhances and prolongs the effects of the BRAF inhibitor in melanoma cells. <i>Immunologic Research</i> , 2011, 50, 294-302.	1.3	33
79	Micro-piezoelectric immunoassay chip for simultaneous detection of Hepatitis B virus and α -fetoprotein. <i>Sensors and Actuators B: Chemical</i> , 2011, 151, 370-376.	4.0	37
80	Functional Characterization of an scFv-Fc Antibody that Immunotherapeutically Targets the Common Cancer Cell Surface Proteoglycan CSPG4. <i>Cancer Research</i> , 2011, 71, 7410-7422.	0.4	54
81	CSPG4 Protein as a New Target for the Antibody-Based Immunotherapy of Triple-Negative Breast Cancer. <i>Journal of the National Cancer Institute</i> , 2010, 102, 1496-1512.	3.0	148
82	Self-Polarized Piezoelectric Biosensor Array for Multiple Immunoassays Applications. , 2009, , .		0
83	High-performance UV-curable epoxy resin-based microarray and microfluidic immunoassay devices. <i>Biosensors and Bioelectronics</i> , 2009, 24, 2997-3002.	5.3	35
84	AFM study of adsorption of protein A on a poly(dimethylsiloxane) surface. <i>Nanotechnology</i> , 2009, 20, 285101.	1.3	9
85	Flow-through functionalized PDMS microfluidic channels with dextran derivative for ELISAs. <i>Lab on A Chip</i> , 2009, 9, 1243.	3.1	114
86	Micro-machined piezoelectric membrane-based immunosensor array. <i>Biosensors and Bioelectronics</i> , 2008, 24, 638-643.	5.3	53
87	Biosensors based on flexural mode piezo-diaphragm. , 2008, , .		5
88	pH-Controlled Construction of Chitosan/Alginate Multilayer Film: Characterization and Application for Antibody Immobilization. <i>Langmuir</i> , 2007, 23, 13046-13052.	1.6	134
89	Poly(vinyl alcohol) Functionalized Poly(dimethylsiloxane) Solid Surface for Immunoassay. <i>Bioconjugate Chemistry</i> , 2007, 18, 281-284.	1.8	49
90	Optimization of printing buffer for protein microarrays based on aldehyde-modified glass slides. <i>Frontiers in Bioscience - Landmark</i> , 2007, 12, 3768.	3.0	28

#	ARTICLE	IF	CITATIONS
91	Efficient probe immobilization on poly (dimethylsiloxane) for sensitive detection of proteins. Frontiers in Bioscience - Landmark, 2005, 10, 2848.	3.0	29