

Yong Luo

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

1,718
citations

304743

22
h-index

289244

40
g-index

50
all docs

50
docs citations

50
times ranked

2745
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Core fucosylation involvement in the paracrine regulation of proteinuria-induced renal interstitial fibrosis evaluated with the use of a microfluidic chip. <i>Acta Biomaterialia</i> , 2022, 142, 99-112. | 8.3 | 6 |
| 2 | Printing perfusable and permeable vascular structure by controlled cross-linking. <i>Polymer Engineering and Science</i> , 2021, 61, 167-172. | 3.1 | 1 |
| 3 | Single-Cell Secretion Analysis in the Engineered Tumor Microenvironment Reveals Differential Modulation of Macrophage Immune Responses. <i>Analytical Chemistry</i> , 2021, 93, 4198-4207. | 6.5 | 7 |
| 4 | Hydroxyethyl Cellulose As a Rheological Additive for Tuning the Extrusion Printability and Scaffold Properties. <i>3D Printing and Additive Manufacturing</i> , 2021, 8, 87-98. | 2.9 | 6 |
| 5 | Rapid prototyping of PDMS microdevices via μ PLAT on nonplanar surfaces with flexible hollow-out mask. <i>Biofabrication</i> , 2021, 13, 035003. | 7.1 | 1 |
| 6 | Design and fabrication of an integrated heart-on-a-chip platform for construction of cardiac tissue from human iPSC-derived cardiomyocytes and in situ evaluation of physiological function. <i>Biosensors and Bioelectronics</i> , 2021, 179, 113080. | 10.1 | 36 |
| 7 | Comparative analysis of carbapenemases, RND family efflux pumps and biofilm formation potential among <i>Acinetobacter baumannii</i> strains with different carbapenem susceptibility. <i>BMC Infectious Diseases</i> , 2021, 21, 841. | 2.9 | 15 |
| 8 | Distribution pattern of carbapenemases and solitary contribution to resistance in clinical strains of <i>Acinetobacter baumannii</i> . <i>Annals of Palliative Medicine</i> , 2021, 10, 9184-9191. | 1.2 | 5 |
| 9 | Physiological and Disease Models of Respiratory System Based on Organ-on-a-Chip Technology. <i>Micromachines</i> , 2021, 12, 1106. | 2.9 | 8 |
| 10 | High-Throughput Single-Cell Extracellular Vesicle Secretion Analysis on a Desktop Scanner without Cell Counting. <i>Analytical Chemistry</i> , 2021, 93, 13152-13160. | 6.5 | 8 |
| 11 | A Novel Tissue-Based Liver-Kidney-on-a-Chip Can Mimic Liver Tropism of Extracellular Vesicles Derived from Breast Cancer Cells. <i>Biotechnology Journal</i> , 2020, 15, 1900107. | 3.5 | 22 |
| 12 | PDMS Microwell Stencil Based Multiplexed Single-Cell Secretion Analysis. <i>Proteomics</i> , 2020, 20, e1900231. | 2.2 | 4 |
| 13 | A liver-on-a-chip for hepatoprotective activity assessment. <i>Biomicrofluidics</i> , 2020, 14, 064107. | 2.4 | 23 |
| 14 | Small extracellular vesicle-bound vascular endothelial growth factor secreted by carcinoma-associated fibroblasts promotes angiogenesis in a bevacizumab-resistant manner. <i>Cancer Letters</i> , 2020, 492, 71-83. | 7.2 | 32 |
| 15 | A GelMA/DECM/nanoclay composite biomaterial ink for printing 3D scaffolds for primary hepatocytes cultivation. <i>Materials Letters</i> , 2020, 274, 128034. | 2.6 | 12 |
| 16 | A novel microfluidic paper-based analytical device based on chemiluminescence for the determination of β -agonists in swine hair. <i>Analytical Methods</i> , 2020, 12, 2317-2322. | 2.7 | 11 |
| 17 | 3D bioprinted breast tumor model for structure-activity relationship study. <i>Bio-Design and Manufacturing</i> , 2020, 3, 361-372. | 7.7 | 15 |
| 18 | A novel micro-injection droplet microfluidic system for studying locomotive behavior responses to Cu^{2+} induced neurotoxin in individual <i>C.elegans</i> . <i>Analytica Chimica Acta</i> , 2020, 1106, 61-70. | 5.4 | 6 |

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|----|--|------|-----------|
| 19 | Establishment and Application of Peristaltic Human Gut-Vessel Microsystem for Studying Host-Microbial Interaction. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 272. | 4.1 | 37 |
| 20 | Drug Toxicity Evaluation Based on Organ-on-a-chip Technology: A Review. <i>Micromachines</i> , 2020, 11, 381. | 2.9 | 71 |
| 21 | Engineered Liver-on-a-Chip Platform to Mimic Liver Functions and Its Biomedical Applications: A Review. <i>Micromachines</i> , 2019, 10, 676. | 2.9 | 144 |
| 22 | Application of Microfluidic Chips in Separation and Analysis of Extracellular Vesicles in Liquid Biopsy for Cancer. <i>Micromachines</i> , 2019, 10, 390. | 2.9 | 25 |
| 23 | A liver-chip-based alcoholic liver disease model featuring multi-non-parenchymal cells. <i>Biomedical Microdevices</i> , 2019, 21, 57. | 2.8 | 42 |
| 24 | Establishment and application of a dynamic tumor-vessel microsystem for studying different stages of tumor metastasis and evaluating anti-tumor drugs. <i>RSC Advances</i> , 2019, 9, 17137-17147. | 3.6 | 14 |
| 25 | A cell lines derived microfluidic liver model for investigation of hepatotoxicity induced by drug-drug interaction. <i>Biomicrofluidics</i> , 2019, 13, 024101. | 2.4 | 52 |
| 26 | Multiplexed profiling of single-cell extracellular vesicles secretion. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 5979-5984. | 7.1 | 95 |
| 27 | Extracellular vesicles of carcinoma-associated fibroblasts creates a pre-metastatic niche in the lung through activating fibroblasts. <i>Molecular Cancer</i> , 2019, 18, 175. | 19.2 | 132 |
| 28 | Paper Microfluidics for Cell Analysis. <i>Advanced Healthcare Materials</i> , 2019, 8, e1801084. | 7.6 | 44 |
| 29 | Paper-Based 3D Scaffold for Multiplexed Single Cell Secretomic Analysis. <i>Analytical Chemistry</i> , 2018, 90, 5825-5832. | 6.5 | 32 |
| 30 | A nephron model for study of drug-induced acute kidney injury and assessment of drug-induced nephrotoxicity. <i>Biomaterials</i> , 2018, 155, 41-53. | 11.4 | 60 |
| 31 | Measurement of Carcinoembryonic Antigen in Clinical Serum Samples Using a Centrifugal Microfluidic Device. <i>Micromachines</i> , 2018, 9, 470. | 2.9 | 12 |
| 32 | Overproduction of efflux pumps caused reduced susceptibility to carbapenem under consecutive imipenem-selected stress in <i>Acinetobacter baumannii</i> . <i>Infection and Drug Resistance</i> , 2018, Volume 11, 457-467. | 2.7 | 29 |
| 33 | High-glucose 3D INS-1 cell model combined with a microfluidic circular concentration gradient generator for high throughput screening of drugs against type 2 diabetes. <i>RSC Advances</i> , 2018, 8, 25409-25416. | 3.6 | 12 |
| 34 | A Microfluidic Device for Culturing an Encapsulated Ovarian Follicle. <i>Micromachines</i> , 2017, 8, 335. | 2.9 | 29 |
| 35 | Clinical application of a microfluidic chip for immunocapture and quantification of circulating exosomes to assist breast cancer diagnosis and molecular classification. <i>PLoS ONE</i> , 2017, 12, e0175050. | 2.5 | 155 |
| 36 | Label-free molecular detection of carcinoembryonic antigen in whole blood using microfluidics and surface-enhanced Raman spectroscopy. <i>Electrophoresis</i> , 2016, 37, 786-789. | 2.4 | 13 |

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|----|--|------|-----------|
| 37 | A Laminated Microfluidic Device for Comprehensive Preclinical Testing in the Drug ADME Process. Scientific Reports, 2016, 6, 25022. | 3.3 | 37 |
| 38 | Application of a microfluidic-based perivascular tumor model for testing drug sensitivity in head and neck cancers and toxicity in endothelium. RSC Advances, 2016, 6, 29598-29607. | 3.6 | 16 |
| 39 | Manual slide-engaged paper chip for parallel SERS-immunoassay measurement of clenbuterol from swine hair. Electrophoresis, 2016, 37, 418-424. | 2.4 | 17 |
| 40 | Organ-on-a-Chip: New Platform for Biological Analysis. Analytical Chemistry Insights, 2015, 10, ACI.S28905. | 2.7 | 45 |
| 41 | Determination of beta-agonists in swine hair by μ FIA and chemiluminescence. Electrophoresis, 2015, 36, 986-993. | 2.4 | 7 |
| 42 | Easy-to-fabricate thin film coating on PDMS substrate with super hydrophilicity and stability. Electrophoresis, 2015, 36, 889-892. | 2.4 | 8 |
| 43 | Direct measurement of beta-agonists in swine hair extract in multiplexed mode by surface-enhanced Raman spectroscopy and microfluidic paper. Electrophoresis, 2015, 36, 485-487. | 2.4 | 13 |
| 44 | Chemiluminescence diminishment on a paper-based analytical device: high throughput determination of β -agonists in swine hair. Analytical Methods, 2014, 6, 9684-9690. | 2.7 | 15 |
| 45 | Live cell refractometry based on non-SPR microparticle sensor. Electrophoresis, 2013, 34, 1526-1529. | 2.4 | 1 |
| 46 | Superlocalization of Single Molecules and Nanoparticles in High-Fidelity Optical Imaging Microfluidic Devices. Analytical Chemistry, 2011, 83, 5073-5077. | 6.5 | 13 |
| 47 | Recent advances in single-molecule detection on micro- and nano-fluidic devices. Electrophoresis, 2011, 32, 3308-3318. | 2.4 | 29 |
| 48 | Resolving Rotational Motions of Nano-objects in Engineered Environments and Live Cells with Gold Nanorods and Differential Interference Contrast Microscopy. Journal of the American Chemical Society, 2010, 132, 16417-16422. | 13.7 | 156 |
| 49 | Wavelength-Dependent Differential Interference Contrast Microscopy: Multiplexing Detection Using Nonfluorescent Nanoparticles. Analytical Chemistry, 2010, 82, 6675-6679. | 6.5 | 21 |
| 50 | Multilayer poly(vinyl alcohol)-adsorbed coating on poly(dimethylsiloxane) microfluidic chips for biopolymer separation. Electrophoresis, 2005, 26, 211-218. | 2.4 | 124 |