

Ying I Wang

List of Publications by Year in Descending Order

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Version: 2024-04-28

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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.

16
papers

995
citations

12
h-index

17
g-index

17
ext. papers

1,214
ext. citations

7.6
avg, IF

4.89
L-index

| # | Paper | IF | Citations |
|----|--|------|-----------|
| 16 | Additive manufacturing of biodegradable iron-based particle reinforced polylactic acid composite scaffolds for tissue engineering. <i>Journal of Materials Processing Technology</i> , 2021 , 289, 116952 | 5.3 | 12 |
| 15 | Multiorgan microfluidic platform with breathable lung chamber for inhalation or intravenous drug screening and development. <i>Biotechnology and Bioengineering</i> , 2020 , 117, 486-497 | 4.9 | 16 |
| 14 | A Human-Based Functional NMJ System for Personalized ALS Modeling and Drug Testing. <i>Advanced Therapeutics</i> , 2020 , 3, 2000133 | 4.9 | 11 |
| 13 | Strategies for using mathematical modeling approaches to design and interpret multi-organ microphysiological systems (MPS). <i>APL Bioengineering</i> , 2019 , 3, 021501 | 6.6 | 22 |
| 12 | Multi-organ system for the evaluation of efficacy and off-target toxicity of anticancer therapeutics. <i>Science Translational Medicine</i> , 2019 , 11, | 17.5 | 70 |
| 11 | Piezoelectric BioMEMS Cantilever for Measurement of Muscle Contraction and for Actuation of Mechanosensitive Cells. <i>MRS Communications</i> , 2019 , 9, 1186-1192 | 2.7 | 4 |
| 10 | Recent Advances in Body-on-a-Chip Systems. <i>Analytical Chemistry</i> , 2019 , 91, 330-351 | 7.8 | 100 |
| 9 | Stem cell derived phenotypic human neuromuscular junction model for dose response evaluation of therapeutics. <i>Biomaterials</i> , 2018 , 166, 64-78 | 15.6 | 70 |
| 8 | UniChip enables long-term recirculating unidirectional perfusion with gravity-driven flow for microphysiological systems. <i>Lab on A Chip</i> , 2018 , 18, 2563-2574 | 7.2 | 47 |
| 7 | Investigation of the effect of hepatic metabolism on off-target cardiotoxicity in a multi-organ human-on-a-chip system. <i>Biomaterials</i> , 2018 , 182, 176-190 | 15.6 | 93 |
| 6 | Multiorgan Microphysiological Systems for Drug Development: Strategies, Advances, and Challenges. <i>Advanced Healthcare Materials</i> , 2018 , 7, 1701000 | 10.1 | 70 |
| 5 | Application of chemical reaction engineering principles to body-on-a-chip systems. <i>AIChE Journal</i> , 2018 , 64, 4351-4360 | 3.6 | 11 |
| 4 | Self-contained, low-cost Body-on-a-Chip systems for drug development. <i>Experimental Biology and Medicine</i> , 2017 , 242, 1701-1713 | 3.7 | 43 |
| 3 | Microfluidic blood-brain barrier model provides in vivo-like barrier properties for drug permeability screening. <i>Biotechnology and Bioengineering</i> , 2017 , 114, 184-194 | 4.9 | 303 |
| 2 | In Vitro Modeling of Nervous System: Engineering of the Reflex Arc 2016 , 261-298 | | 1 |
| 1 | Multi-cellular 3D human primary liver cell culture elevates metabolic activity under fluidic flow. <i>Lab on A Chip</i> , 2015 , 15, 2269-77 | 7.2 | 121 |