

# Ying I Wang

## List of Publications by Citations

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