

Chien-Kai Wang

List of Publications by Year in descending order

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papers

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2258059

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1872680

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8
times ranked

33
citing authors

#	ARTICLE	IF	CITATIONS
1	Measurement of in-plane elasticity of live cell layers using a pressure sensor embedded microfluidic device. <i>Scientific Reports</i> , 2016, 6, 36425.	3.3	12
2	Study 3D Endothelial Cell Network Formation under Various Oxygen Microenvironment and Hydrogel Composition Combinations Using Upsideâ€œDown Microfluidic Devices. <i>Small</i> , 2021, 17, e2006091.	10.0	10
3	Revealing anisotropic elasticity of endothelium under fluid shear stress. <i>Acta Biomaterialia</i> , 2022, 145, 316-328.	8.3	4
4	One-Step Approach to Fabricating Polydimethylsiloxane Microfluidic Channels of Different Geometric Sections by Sequential Wet Etching Processes. <i>Journal of Visualized Experiments</i> , 2018, , .	0.3	1
5	Robust topology optimization of solid continua for peak response serviceability to uncertain quasi-static loads with temporal correlation. <i>Structural and Multidisciplinary Optimization</i> , 2019, 60, 443-460.	3.5	1
6	Structural optimization with design constraints on peak responses to temporally correlated quasi-static load processes. <i>Structural and Multidisciplinary Optimization</i> , 2019, 59, 521-538.	3.5	1
7	Microfluidic Devices: Study 3D Endothelial Cell Network Formation under Various Oxygen Microenvironment and Hydrogel Composition Combinations Using Upsideâ€œDown Microfluidic Devices (Small 15/2021). <i>Small</i> , 2021, 17, 2170069.	10.0	1
8	Identifying distinct oxygen diffusivity through type I pneumocyte-like cell layers using microfluidic device. <i>Talanta</i> , 2022, 236, 122882.	5.5	1