

Brett C Isenberg

List of Publications by Year in descending order

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Version: 2024-02-01

37
papers

3,112
citations

293460

24
h-index

488211

31
g-index

38
all docs

38
docs citations

38
times ranked

4768
citing authors

#	ARTICLE	IF	CITATIONS
1	Versican secreted by the ovary links ovulation and migration in fallopian tube derived serous cancer. <i>Cancer Letters</i> , 2022, 543, 215779.	3.2	4
2	Reply: Exposure of human fallopian tube epithelium to elevated testosterone results in alteration of cilia gene expression and beating. <i>Human Reproduction</i> , 2021, 36, 1725-1725.	0.4	10
3	Recurrent Urinary Tract Infection: A Mystery in Search of Better Model Systems. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 691210.	1.8	46
4	A high-throughput microfluidic bilayer co-culture platform to study endothelial-pericyte interactions. <i>Scientific Reports</i> , 2021, 11, 12225.	1.6	25
5	Toward Development of a Higher Flow Rate Hemocompatible Biomimetic Microfluidic Blood Oxygenator. <i>Micromachines</i> , 2021, 12, 888.	1.4	11
6	High-throughput human primary cell-based airway model for evaluating influenza, coronavirus, or other respiratory viruses in vitro. <i>Scientific Reports</i> , 2021, 11, 14961.	1.6	37
7	High-throughput organ-on-chip platform with integrated programmable fluid flow and real-time sensing for complex tissue models in drug development workflows. <i>Lab on A Chip</i> , 2021, 21, 1454-1474.	3.1	107
8	Exposure of human fallopian tube epithelium to elevated testosterone results in alteration of cilia gene expression and beating. <i>Human Reproduction</i> , 2020, 35, 2086-2096.	0.4	25
9	Small-Diameter Engineered Arteries: The Gel Approach. , 2020, , 1-12.		1
10	Small-Diameter Engineered Arteries: The Gel Approach. , 2020, , 365-376.		0
11	A microfluidic culture model of the human reproductive tract and 28-day menstrual cycle. <i>Nature Communications</i> , 2017, 8, 14584.	5.8	327
12	Extracellular matrix type modulates cell migration on mechanical gradients. <i>Experimental Cell Research</i> , 2017, 359, 361-366.	1.2	54
13	A portable and reconfigurable multi-organ platform for drug development with onboard microfluidic flow control. <i>Lab on A Chip</i> , 2017, 17, 134-144.	3.1	88
14	Vascular smooth muscle cell durotaxis depends on extracellular matrix composition. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 11190-11195.	3.3	113
15	How to Collect Segmentations for Biomedical Images? A Benchmark Evaluating the Performance of Experts, Crowdsourced Non-experts, and Algorithms. , 2015, , .		47
16	Extracellular matrix presentation modulates vascular smooth muscle cell mechanotransduction. <i>Matrix Biology</i> , 2015, 41, 36-43.	1.5	68
17	SAGE: An approach and implementation empowering quick and reliable quantitative analysis of segmentation quality. , 2013, , .		3
18	Extracellular Matrix Presentation Modulates Vascular Smooth Muscle Cell Mechanotransduction. <i>Biophysical Journal</i> , 2012, 102, 564a.	0.2	0

#	ARTICLE	IF	CITATIONS
19	Micropatterned cell sheets with defined cell and extracellular matrix orientation exhibit anisotropic mechanical properties. <i>Journal of Biomechanics</i> , 2012, 45, 756-761.	0.9	45
20	Thermo-responsive poly(N-isopropylacrylamide) grafted onto microtextured poly(dimethylsiloxane) for aligned cell sheet engineering. <i>Colloids and Surfaces B: Biointerfaces</i> , 2012, 99, 108-115.	2.5	41
21	Cell-Cell Interactions Mediate the Response of Vascular Smooth Muscle Cells to Substrate Stiffness. <i>Biophysical Journal</i> , 2011, 101, 622-630.	0.2	77
22	Engineering of Small-Diameter Vessels. , 2011, , 853-875.		3
23	Programmed trapping of individual bacteria using micrometre-size sieves. <i>Lab on A Chip</i> , 2011, 11, 1089.	3.1	37
24	Aligned Cell Sheets Grown on Thermo-responsive Substrates with Microcontact Printed Protein Patterns. <i>Advanced Materials</i> , 2009, 21, 2161-2164.	11.1	75
25	Vascular Smooth Muscle Cell Durotaxis Depends on Substrate Stiffness Gradient Strength. <i>Biophysical Journal</i> , 2009, 97, 1313-1322.	0.2	348
26	A thermoresponsive, microtextured substrate for cell sheet engineering with defined structural organization. <i>Biomaterials</i> , 2008, 29, 2565-2572.	5.7	127
27	Fabrication of a layered microstructured polycaprolactone construct for 3-D tissue engineering. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2008, 19, 1347-1362.	1.9	27
28	Cytokine-induced differentiation of multipotent adult progenitor cells into functional smooth muscle cells. <i>Journal of Clinical Investigation</i> , 2007, 117, 2014-2014.	3.9	1
29	Small-Diameter Artificial Arteries Engineered In Vitro. <i>Circulation Research</i> , 2006, 98, 25-35.	2.0	439
30	Cytokine-induced differentiation of multipotent adult progenitor cells into functional smooth muscle cells. <i>Journal of Clinical Investigation</i> , 2006, 116, 3139-3149.	3.9	159
31	Building structure into engineered tissues. <i>Materials Today</i> , 2006, 9, 54-60.	8.3	81
32	Endothelialization and Flow Conditioning of Fibrin-Based Media-Equivalents. <i>Annals of Biomedical Engineering</i> , 2006, 34, 971-985.	1.3	79
33	Long-Term Cyclic Distention Enhances the Mechanical Properties of Collagen-Based Media-Equivalents. <i>Annals of Biomedical Engineering</i> , 2003, 31, 937-949.	1.3	175
34	Artificial Soft Tissue Fabrication from Cell-Contracted Biopolymers. , 2003, , 305-317.		3
35	Mechanisms of Stiffening and Strengthening in Media-Equivalents Fabricated Using Glycation. <i>Journal of Biomechanical Engineering</i> , 2000, 122, 216-223.	0.6	150
36	Development of Technologies Aiding Large-Tissue Engineering. <i>Biotechnology Progress</i> , 1998, 14, 134-140.	1.3	103

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37	Release from alginate enhances the biological activity of vascular endothelial growth factor. Journal of Biomaterials Science, Polymer Edition, 1998, 9, 1267-1278.	1.9	170