

Thomas M Braschler

List of Publications by Year in descending order

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36
papers

1,994
citations

304701

22
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377849

34
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38
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docs citations

38
times ranked

2876
citing authors

#	ARTICLE	IF	CITATIONS
1	Design of an elastic porous injectable biomaterial for tissue regeneration and volume retention. <i>Acta Biomaterialia</i> , 2022, 142, 73-84.	8.3	7
2	<i>Pseudomonas aeruginosa</i> rhamnolipid micelles deliver toxic metabolites and antibiotics into <i>Staphylococcus aureus</i> . <i>IScience</i> , 2022, 25, 103669.	4.1	14
3	Adipose-derived stem cell spheroids are superior to single-cell suspensions to improve fat autograft long-term survival. <i>Journal of Cellular and Molecular Medicine</i> , 2022, 26, 1421-1433.	3.6	6
4	The Role of Interstitial Fluid Pressure in Cerebral Porous Biomaterial Integration. <i>Brain Sciences</i> , 2022, 12, 417.	2.3	0
5	Neurothreads: Development of supportive carriers for mature dopaminergic neuron differentiation and implantation. <i>Biomaterials</i> , 2021, 270, 120707.	11.4	12
6	Neural priming of adipose-derived stem cells by cell-imprinted substrates*. <i>Biofabrication</i> , 2021, 13, 035009.	7.1	12
7	An Injectable Meta-Biomaterial: From Design and Simulation to In Vivo Shaping and Tissue Induction. <i>Advanced Materials</i> , 2021, 33, e2102350.	21.0	15
8	Cryogel-based Injectable 3D Microcarrier Co-culture for Support of Hematopoietic Progenitor Niches. <i>Current Protocols</i> , 2021, 1, e275.	2.9	4
9	Injectable, scalable 3D tissue-engineered model of marrow hematopoiesis. <i>Biomaterials</i> , 2020, 232, 119665.	11.4	28
10	Pore Size Manipulation in 3D Printed Cryogels Enables Selective Cell Seeding. <i>Advanced Materials Technologies</i> , 2018, 3, 1700340.	5.8	26
11	Additive manufacturing of hierarchical injectable scaffolds for tissue engineering. <i>Acta Biomaterialia</i> , 2018, 76, 71-79.	8.3	39
12	On-Chip Flow Cytometry. , 2016, , 2985-2996.		0
13	Composite hydrogel-loaded alumina membranes for nanofluidic molecular filtration. <i>Journal of Membrane Science</i> , 2015, 477, 151-156.	8.2	15
14	Soft nanofluidics governing minority ion exclusion in charged hydrogels. <i>Soft Matter</i> , 2015, 11, 4081-4090.	2.7	7
15	Injectable cryogel-based whole-cell cancer vaccines. <i>Nature Communications</i> , 2015, 6, 7556.	12.8	312
16	A Compressible Scaffold for Minimally Invasive Delivery of Large Intact Neuronal Networks. <i>Advanced Healthcare Materials</i> , 2015, 4, 301-312.	7.6	69
17	Advances in the design of macroporous polymer scaffolds for potential applications in dentistry. <i>Journal of Periodontal and Implant Science</i> , 2013, 43, 251.	2.0	96
18	Microdrop Printing of Hydrogel Bioinks into 3D Tissue-Like Geometries. <i>Advanced Materials</i> , 2012, 24, 391-396.	21.0	231

#	ARTICLE	IF	CITATIONS
19	Link between Alginate Reaction Front Propagation and General Reaction Diffusion Theory. Analytical Chemistry, 2011, 83, 2234-2242.	6.5	45
20	Tracking and synchronization of the yeast cell cycle using dielectrophoretic opacity. Lab on A Chip, 2011, 11, 1754.	6.0	32
21	A miniaturized continuous dielectrophoretic cell sorter and its applications. Biomicrofluidics, 2010, 4, .	2.4	72
22	A unified approach to dielectric single cell analysis: Impedance and dielectrophoretic force spectroscopy. Lab on A Chip, 2010, 10, 2216.	6.0	137
23	Continuous-flow electrical lysis device with integrated control by dielectrophoretic cell sorting. Lab on A Chip, 2010, 10, 2077.	6.0	64
24	Fluidic microstructuring of alginate hydrogels for the single cell niche. Lab on A Chip, 2010, 10, 2771.	6.0	12
25	Biochip with E. coli bacteria for detection of arsenic in drinking water. Procedia Chemistry, 2009, 1, 1003-1006.	0.7	24
26	Wide channel dielectrophoresis-based particle exchanger with electrophoretic diffusion compensation. Lab on A Chip, 2009, 9, 657.	6.0	11
27	Focusing and continuous separation of cells in a microfluidic device using lateral dielectrophoresis. Sensors and Actuators B: Chemical, 2008, 132, 388-396.	7.8	111
28	Dielectrophoretic sorting on a microfabricated flow cytometer: Label free separation of Babesia bovis infected erythrocytes. Bioelectrochemistry, 2008, 73, 123-128.	4.6	40
29	Dielectrophoresis-based particle exchanger for the manipulation and surface functionalization of particles. Lab on A Chip, 2008, 8, 267-273.	6.0	58
30	Continuous separation of cells by balanced dielectrophoretic forces at multiple frequencies. Lab on A Chip, 2008, 8, 280-286.	6.0	119
31	Label-free detection of Babesia bovis infected red blood cells using impedance spectroscopy on a microfabricated flow cytometer. Acta Tropica, 2007, 102, 63-68.	2.0	58
32	A simple pneumatic setup for driving microfluidics. Lab on A Chip, 2007, 7, 420-422.	6.0	32
33	Characterization and optimization of liquid electrodes for lateral dielectrophoresis. Lab on A Chip, 2007, 7, 355-365.	6.0	133
34	A virtual valve for smooth contamination-free flow switching. Lab on A Chip, 2007, 7, 1111.	6.0	9
35	Two-dimensional impedance imaging of cell migration and epithelial stratification. Lab on A Chip, 2006, 6, 1155.	6.0	57
36	Gentle cell trapping and release on a microfluidic chip by in situ alginate hydrogel formation. Lab on A Chip, 2005, 5, 553.	6.0	84