

Glenn M Walker

List of Publications by Year in descending order

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Version: 2024-02-01

11
papers

781
citations

1478505

6
h-index

1281871

11
g-index

11
all docs

11
docs citations

11
times ranked

1219
citing authors

#	ARTICLE	IF	CITATIONS
1	A passive pumping method for microfluidic devices. <i>Lab on A Chip</i> , 2002, 2, 131.	6.0	367
2	Microneedles Integrated with Pancreatic Cells and Synthetic Glucoseâ€Signal Amplifiers for Smart Insulin Delivery. <i>Advanced Materials</i> , 2016, 28, 3115-3121.	21.0	193
3	An evaporation-based microfluidic sample concentration method. <i>Lab on A Chip</i> , 2002, 2, 57.	6.0	93
4	Time-Dependent Model for Fluid Flow in Porous Materials with Multiple Pore Sizes. <i>Analytical Chemistry</i> , 2017, 89, 4377-4381.	6.5	67
5	Modular pumps as programmable hydraulic batteries for microfluidic devices. <i>Technology</i> , 2017, 05, 21-30.	1.4	21
6	Paper-based passive pumps to generate controllable whole blood flow through microfluidic devices. <i>Lab on A Chip</i> , 2019, 19, 3787-3795.	6.0	16
7	Underâ€Oil Autonomously Regulated Oxygen Microenvironments: A Goldilocks Principleâ€Based Approach for Microscale Cell Culture. <i>Advanced Science</i> , 2022, 9, e2104510.	11.2	8
8	Drug Delivery: Microneedles Integrated with Pancreatic Cells and Synthetic Glucoseâ€Signal Amplifiers for Smart Insulin Delivery (Adv. Mater. 16/2016). <i>Advanced Materials</i> , 2016, 28, 3223-3223.	21.0	5
9	Characterization of glass frit capillary pumps for microfluidic devices. <i>Microfluidics and Nanofluidics</i> , 2019, 23, 1.	2.2	5
10	A multiwell plate-based system for toxicity screening under multiple static or cycling oxygen environments. <i>Scientific Reports</i> , 2021, 11, 4020.	3.3	4
11	A simple cantilever system for measurement of flow rates in paper microfluidic devices. <i>Engineering Research Express</i> , 2019, 1, 025019.	1.6	2