

Recent trends in mechanical micropumps and their app

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Microfluidic Passive Valve with Ultra-Low Threshold Pressure for High-Throughput Liquid Delivery. <i>Micromachines</i> , 2019, 10, 798.	2.9	7
2	Flexible Microfluidics: Fundamentals, Recent Developments, and Applications. <i>Micromachines</i> , 2019, 10, 830.	2.9	130
3	Fully coupled modeling and design of a piezoelectric actuation based valveless micropump for drug delivery application. <i>Microsystem Technologies</i> , 2020, 26, 633-645.	2.0	23
4	Non-linear mechanics in resonant inertial micro sensors. <i>International Journal of Non-Linear Mechanics</i> , 2020, 120, 103386.	2.6	19
5	Analysis of Stiffness Effect on Valve Behavior of a Reciprocating Pump Operated by Piezoelectric Elements. <i>Micromachines</i> , 2020, 11, 894.	2.9	6
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7	Recent Advances in Micro-Electro-Mechanical Devices for Controlled Drug Release Applications. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 827.	4.1	31
8	Modeling of a Passive-Valve Piezoelectric Micro-Pump: A Parametric Study. <i>Micromachines</i> , 2020, 11, 752.	2.9	8
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14	The FAST Pump, a low-cost, easy to fabricate, SLA-3D-printed peristaltic pump for multi-channel systems in any lab. <i>HardwareX</i> , 2020, 8, e00115.	2.2	22
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18	Electrodialysis Pump Based on Enhanced Water Dissociation of Bipolar Membrane. <i>Analytical Chemistry</i> , 2020, 92, 6263-6268.	6.5	3

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21	Piezoelectric micropumps: state of the art review. <i>Microsystem Technologies</i> , 2021, 27, 4127-4155.	2.0	37
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