Bendong Liu

List of Publications by Year
in descending order

22 papers	140 citations	1307594 7 h-index	1281871 11 g-index
22 all docs	22 docs citations	22 times ranked	132 citing authors

#	Article	IF	Citations
1	A high flow rate thermal bubble-driven micropump with induction heating. Microfluidics and Nanofluidics, 2016, 20, 1.	2.2	25
2	A rotary ferrofluidic vane micropump with C shape baffle. Sensors and Actuators B: Chemical, 2018, 263, 452-458.	7.8	17
3	A phase change microactuator based on paraffin wax/expanded graphite/nickel particle composite with induction heating. Sensors and Actuators A: Physical, 2018, 275, 129-136.	4.1	12
4	Recent Advances in MEMS-Based Microthrusters. Micromachines, 2019, 10, 818.	2.9	12
5	A thermal bubble micro-actuator with induction heating. Sensors and Actuators A: Physical, 2015, 222, 8-14.	4.1	11
6	A new vaporizing liquid microthruster with planar induction heating. Sensors and Actuators A: Physical, 2020, 308, 112010.	4.1	9
7	A positive pressure-driven PDMS pump for fluid handling in microfluidic chips. Microfluidics and Nanofluidics, 2018, 22, 1.	2.2	8
8	Research on a large power thermal bubble micro-ejector with induction heating. Microsystem Technologies, 2016, 22, 103-108.	2.0	7
9	Hermetic encapsulation of negative-pressure-driven PDMS microfluidic devices using paraffin wax and glass. Microsystem Technologies, 2018, 24, 2035-2043.	2.0	7
10	A tubular vaporizing liquid micro-thruster with induction heating. Heat and Mass Transfer, 2020, 56, 2035-2043.	2.1	6
11	Design and Fabrication of a Micro Electromagnetic Actuator. , 2006, , .		4
12	Manipulation of micro-objects using acoustically oscillating bubbles based on the gas permeability of PDMS. Biomicrofluidics, 2018, 12, 034111.	2.4	4
13	Study on the effect of heating plate thickness on the micro induction heater for thermal bubbles generation. Microsystem Technologies, 2016, 22, 1005-1011.	2.0	3
14	A thermally actuated microvalve using paraffin composite by induction heating. Microsystem Technologies, 2019, 25, 3969-3975.	2.0	3
15	A Concentration Gradients Tunable Generator with Adjustable Position of the Acoustically Oscillating Bubbles. Micromachines, 2020, 11, 827.	2.9	3
16	Study on the Heat Source Insulation of a Thermal Bubble-Driven Micropump with Induction Heating. Micromachines, 2021, 12, 1040.	2.9	3
17	Design and Fabrication of a Micro Electromagnetic Relay. , 2006, , .		2
18	Research on the Detection of Metal Debris with Microplane Inductance Sensor. Advances in Mechanical Engineering, 2013, 5, 484710.	1.6	2

#	Article	IF	Citations
19	Design and flow simulation of a micro steam jet pump. Modern Physics Letters B, 0, , .	1.9	2
20	Simulation research on miniature planar induction heater with cavity. Journal of Physics: Conference Series, 2021, 1846, 012059.	0.4	0
21	10.1063/1.5028419.1. , 2018, , .		0
22	Simulation of multi-point mixing concentration gradient generator. International Journal of Modern Physics B, 0, , .	2.0	0