

Bendong Liu

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

140
citations

1307594

7
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1281871

11
g-index

22
all docs

22
docs citations

22
times ranked

132
citing authors

#	ARTICLE	IF	CITATIONS
1	Simulation research on miniature planar induction heater with cavity. Journal of Physics: Conference Series, 2021, 1846, 012059.	0.4	0
2	Study on the Heat Source Insulation of a Thermal Bubble-Driven Micropump with Induction Heating. Micromachines, 2021, 12, 1040.	2.9	3
3	A Concentration Gradients Tunable Generator with Adjustable Position of the Acoustically Oscillating Bubbles. Micromachines, 2020, 11, 827.	2.9	3
4	A new vaporizing liquid microthruster with planar induction heating. Sensors and Actuators A: Physical, 2020, 308, 112010.	4.1	9
5	A tubular vaporizing liquid micro-thruster with induction heating. Heat and Mass Transfer, 2020, 56, 2035-2043.	2.1	6
6	A thermally actuated microvalve using paraffin composite by induction heating. Microsystem Technologies, 2019, 25, 3969-3975.	2.0	3
7	Recent Advances in MEMS-Based Microthrusters. Micromachines, 2019, 10, 818.	2.9	12
8	A rotary ferrofluidic vane micropump with C shape baffle. Sensors and Actuators B: Chemical, 2018, 263, 452-458.	7.8	17
9	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
10	Hermetic encapsulation of negative-pressure-driven PDMS microfluidic devices using paraffin wax and glass. Microsystem Technologies, 2018, 24, 2035-2043.	2.0	7
11	A positive pressure-driven PDMS pump for fluid handling in microfluidic chips. Microfluidics and Nanofluidics, 2018, 22, 1.	2.2	8
12	Manipulation of micro-objects using acoustically oscillating bubbles based on the gas permeability of PDMS. Biomicrofluidics, 2018, 12, 034111.	2.4	4
13	10.1063/1.5028419.1., 2018, , .		0
14	A high flow rate thermal bubble-driven micropump with induction heating. Microfluidics and Nanofluidics, 2016, 20, 1.	2.2	25
15	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
16	Research on a large power thermal bubble micro-ejector with induction heating. Microsystem Technologies, 2016, 22, 103-108.	2.0	7
17	A thermal bubble micro-actuator with induction heating. Sensors and Actuators A: Physical, 2015, 222, 8-14.	4.1	11
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 Fabrication of a Micro Electromagnetic Relay. , 2006, , .		2
20	Design and Fabrication of a Micro Electromagnetic Actuator. , 2006, , .		4
21	Simulation of multi-point mixing concentration gradient generator. International Journal of Modern Physics B, 0, , .	2.0	0
22	Design and flow simulation of a micro steam jet pump. Modern Physics Letters B, 0, , .	1.9	2