Yanfang Guan

List of Publications by Year
in descending order

10 papers	116 citations	1478505 6 h-index	1474206 9 g-index
10 all docs	10 docs citations	10 times ranked	106 citing authors

#	Article	IF	Citations
1	Detection and extraction of heavy metal ions using paper-based analytical devices fabricated via atom stamp printing. Microsystems and Nanoengineering, 2020, 6, 14.	7.0	39
2	Dielectrophoresis Separation of Platelets Using a Novel Zigzag Microchannel. Micromachines, 2020, 11, 890.	2.9	17
3	An integrated platform for fibrinogen quantification on a microfluidic paper-based analytical device. Lab on A Chip, 2020, 20, 2724-2734.	6.0	11
4	A plantar wearable pressure sensor based on hybrid lead zirconate-titanate/microfibrillated cellulose piezoelectric composite films for human health monitoring. Lab on A Chip, 2022, 22, 2376-2391.	6.0	11
5	A novel composite material for flexible wearable devices based on eutectic gallium indium (EGaIn), multi-walled carbon nanotubes (MWCNTs) and polydimethylsiloxane (PDMS). Composite Structures, 2022, 291, 115653.	5.8	10
6	A hybrid electrically-and-piezoelectrically driven micromixer built on paper for microfluids mixing. Biomedical Microdevices, 2020, 22, 47.	2.8	9
7	Versatile Microfluidic Mixing Platform for High- and Low-Viscosity Liquids via Acoustic and Chemical Microbubbles. Micromachines, 2019, 10, 854.	2.9	7
8	Performance Analysis of a Microfluidic Pump Based on Combined Actuation of the Piezoelectric Effect and Liquid Crystal Backflow Effect. Micromachines, 2019, 10, 584.	2.9	6
9	Implementation of hybrid PDMS-graphite/Ag conductive material for flexible electronic devices and microfluidic applications. Microelectronic Engineering, 2021, 235, 111455.	2.4	5
10	Microparticle Manipulation Based on the Bulk Acoustic Wave Combined with the Liquid Crystal Backflow Effect Driving in 2D/3D Platforms. ACS Omega, 0, , .	3.5	1