

# Chen Zhao

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1184293/publications.pdf>

Version: 2024-02-01

12  
papers

547  
citations

1163117

8  
h-index

1474206

9  
g-index

13  
all docs

13  
docs citations

13  
times ranked

921  
citing authors

#	ARTICLE	IF	CITATIONS
1	A microfluidic paper-based electrochemical biosensor array for multiplexed detection of metabolic biomarkers. <i>Science and Technology of Advanced Materials</i> , 2013, 14, 054402.	6.1	132
2	A paper-based microfluidic biosensor integrating zinc oxide nanowires for electrochemical glucose detection. <i>Microsystems and Nanoengineering</i> , 2015, 1, .	7.0	131
3	A portable paper-based microfluidic platform for multiplexed electrochemical detection of human immunodeficiency virus and hepatitis C virus antibodies in serum. <i>Biomicrofluidics</i> , 2016, 10, 024119.	2.4	70
4	A thread-based wearable sweat nanobiosensor. <i>Biosensors and Bioelectronics</i> , 2021, 188, 113270.	10.1	58
5	A paper-based microfluidic platform with shape-memory-polymer-actuated fluid valves for automated multi-step immunoassays. <i>Microsystems and Nanoengineering</i> , 2019, 5, 50.	7.0	49
6	“Plug-n-Play” Sensing with Digital Microfluidics. <i>Analytical Chemistry</i> , 2019, 91, 2506-2515.	6.5	35
7	A portable lab-on-a-chip system for gold-nanoparticle-based colorimetric detection of metal ions in water. <i>Biomicrofluidics</i> , 2014, 8, 052107.	2.4	33
8	Regulating surface traction of a soft robot through electrostatic adhesion control. , 2017, , .		14
9	A portable analytical system for rapid on-site determination of total nitrogen in water. <i>Water Research</i> , 2021, 202, 117410.	11.3	12
10	A paper-based microfluidic device for multiplexed electrochemical detection of biomarkers. , 2013, , .		3
11	A paper-based piezoelectric touch pad integrating zinc oxide nanowires. , 2014, , .		2
12	A 3D-printed portable microindenter for mechanical characterization of soft materials. , 2016, , .		1