

# Adrian J T Teo

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8990524/publications.pdf>

Version: 2024-02-01

19  
papers

911  
citations

840776

11  
h-index

839539

18  
g-index

19  
all docs

19  
docs citations

19  
times ranked

1692  
citing authors

#	ARTICLE	IF	CITATIONS
1	Polymeric Biomaterials for Medical Implants and Devices. ACS Biomaterials Science and Engineering, 2016, 2, 454-472.	5.2	524
2	A versatile PDMS submicrobead/graphene oxide nanocomposite ink for the direct ink writing of wearable micron-scale tactile sensors. Applied Materials Today, 2019, 16, 482-492.	4.3	106
3	Fundamentals of Differential Particle Inertial Focusing in Symmetric Sinusoidal Microchannels. Analytical Chemistry, 2019, 91, 4077-4084.	6.5	51
4	Negative Pressure Induced Droplet Generation in a Microfluidic Flow-Focusing Device. Analytical Chemistry, 2017, 89, 4387-4391.	6.5	48
5	Self-Aligned Interdigitated Transducers for Acoustofluidics. Micromachines, 2016, 7, 216.	2.9	32
6	A portable, hand-powered microfluidic device for sorting of biological particles. Microfluidics and Nanofluidics, 2018, 22, 1.	2.2	28
7	Acoustic Biosensors and Microfluidic Devices in the Decennium: Principles and Applications. Micromachines, 2022, 13, 24.	2.9	20
8	On-Demand Droplet Merging with an AC Electric Field for Multiple-Volume Droplet Generation. Analytical Chemistry, 2020, 92, 1147-1153.	6.5	19
9	Influence of Interfacial Gas Enrichment on Controlled Coalescence of Oil Droplets in Water in Microfluidics. Langmuir, 2019, 35, 3615-3623.	3.5	15
10	Development of a Microfluidic Droplet-Based Microbioreactor for Microbial Cultivation. ACS Biomaterials Science and Engineering, 2020, 6, 3630-3637.	5.2	14
11	Pressure-Driven Filling of Closed-End Microchannel: Realization of Comb-Shaped Transducers for Acoustofluidics. Physical Review Applied, 2018, 10, .	3.8	13
12	Surfactant-free, UV-curable core-shell microcapsules in a hydrophilic PDMS microfluidic device. AIP Advances, 2020, 10, .	1.3	10
13	Controllable droplet generation at a microfluidic T-junction using AC electric field. Microfluidics and Nanofluidics, 2020, 24, 1.	2.2	9
14	An optical MEMS accelerometer fabricated using double-sided deep reactive ion etching on silicon-on-insulator wafer. Journal of Micromechanics and Microengineering, 2017, 27, 067001.	2.6	5
15	Design optimization for an SOI MOEMS accelerometer. Microsystem Technologies, 2018, 24, 465-472.	2.0	5
16	Pressure-driven filling of liquid metal in closed-end microchannels. Physical Review E, 2018, 98, .	2.1	4
17	Realization of Three-Dimensionally MEMS Stacked Comb Structures for Microactuators Using Low-Temperature Multi-Wafer Bonding with Self-Alignment Techniques in CMOS-Compatible Processes. Micromachines, 2021, 12, 1481.	2.9	4
18	Highly sensitive optical motion detector. , 2016, , .		2

#	ARTICLE	IF	CITATIONS
19	Low-Cost Multifunctional Ionic Liquid Pressure and Temperature Sensor. Smart Innovation, Systems and Technologies, 2019, , 184-192.	0.6	2