

Adrian J T Teo

List of Publications by Year in descending order

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19
papers

911
citations

840776

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839539

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all docs

19
docs citations

19
times ranked

1692
citing authors

#	ARTICLE	IF	CITATIONS
1	Acoustic Biosensors and Microfluidic Devices in the Decennium: Principles and Applications. <i>Micromachines</i> , 2022, 13, 24.	2.9	20
2	Realization of Three-Dimensionally MEMS Stacked Comb Structures for Microactuators Using Low-Temperature Multi-Wafer Bonding with Self-Alignment Techniques in CMOS-Compatible Processes. <i>Micromachines</i> , 2021, 12, 1481.	2.9	4
3	On-Demand Droplet Merging with an AC Electric Field for Multiple-Volume Droplet Generation. <i>Analytical Chemistry</i> , 2020, 92, 1147-1153.	6.5	19
4	Development of a Microfluidic Droplet-Based Microbioreactor for Microbial Cultivation. <i>ACS Biomaterials Science and Engineering</i> , 2020, 6, 3630-3637.	5.2	14
5	Surfactant-free, UV-curable core-shell microcapsules in a hydrophilic PDMS microfluidic device. <i>AIP Advances</i> , 2020, 10, .	1.3	10
6	Controllable droplet generation at a microfluidic T-junction using AC electric field. <i>Microfluidics and Nanofluidics</i> , 2020, 24, 1.	2.2	9
7	A versatile PDMS submicrobead/graphene oxide nanocomposite ink for the direct ink writing of wearable micron-scale tactile sensors. <i>Applied Materials Today</i> , 2019, 16, 482-492.	4.3	106
8	Fundamentals of Differential Particle Inertial Focusing in Symmetric Sinusoidal Microchannels. <i>Analytical Chemistry</i> , 2019, 91, 4077-4084.	6.5	51
9	Influence of Interfacial Gas Enrichment on Controlled Coalescence of Oil Droplets in Water in Microfluidics. <i>Langmuir</i> , 2019, 35, 3615-3623.	3.5	15
10	Low-Cost Multifunctional Ionic Liquid Pressure and Temperature Sensor. <i>Smart Innovation, Systems and Technologies</i> , 2019, , 184-192.	0.6	2
11	Design optimization for an SOI MOEMS accelerometer. <i>Microsystem Technologies</i> , 2018, 24, 465-472.	2.0	5
12	A portable, hand-powered microfluidic device for sorting of biological particles. <i>Microfluidics and Nanofluidics</i> , 2018, 22, 1.	2.2	28
13	Pressure-Driven Filling of Closed-End Microchannel: Realization of Comb-Shaped Transducers for Acoustofluidics. <i>Physical Review Applied</i> , 2018, 10, .	3.8	13
14	Pressure-driven filling of liquid metal in closed-end microchannels. <i>Physical Review E</i> , 2018, 98, .	2.1	4
15	Negative Pressure Induced Droplet Generation in a Microfluidic Flow-Focusing Device. <i>Analytical Chemistry</i> , 2017, 89, 4387-4391.	6.5	48
16	An optical MEMS accelerometer fabricated using double-sided deep reactive ion etching on silicon-on-insulator wafer. <i>Journal of Micromechanics and Microengineering</i> , 2017, 27, 067001.	2.6	5
17	Self-Aligned Interdigitated Transducers for Acoustofluidics. <i>Micromachines</i> , 2016, 7, 216.	2.9	32
18	Highly sensitive optical motion detector. , 2016, , .		2

#	ARTICLE	IF	CITATIONS
19	Polymeric Biomaterials for Medical Implants and Devices. ACS Biomaterials Science and Engineering, 2016, 2, 454-472.	5.2	524