

Adem Ozcelik

List of Publications by Year in descending order

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Version: 2024-02-01

35
papers

2,515
citations

394421

19
h-index

501196

28
g-index

35
all docs

35
docs citations

35
times ranked

2806
citing authors

#	ARTICLE	IF	CITATIONS
1	Acoustic tweezers for the life sciences. <i>Nature Methods</i> , 2018, 15, 1021-1028.	19.0	513
2	Rotational manipulation of single cells and organisms using acoustic waves. <i>Nature Communications</i> , 2016, 7, 11085.	12.8	366
3	Acoustofluidic separation of cells and particles. <i>Microsystems and Nanoengineering</i> , 2019, 5, 32.	7.0	268
4	The effects of zinc nitrate, zinc acetate and zinc chloride precursors on investigation of structural and optical properties of ZnO thin films. <i>Journal of Alloys and Compounds</i> , 2008, 466, 447-450.	5.5	178
5	Acoustic Microfluidics. <i>Annual Review of Analytical Chemistry</i> , 2020, 13, 17-43.	5.4	173
6	Microfluidic hydrodynamic focusing for synthesis of nanomaterials. <i>Nano Today</i> , 2016, 11, 778-792.	11.9	148
7	Acoustic actuation of bioinspired microswimmers. <i>Lab on A Chip</i> , 2017, 17, 395-400.	6.0	124
8	An Acoustofluidic Micromixer via Bubble Inception and Cavitation from Microchannel Sidewalls. <i>Analytical Chemistry</i> , 2014, 86, 5083-5088.	6.5	122
9	Acoustofluidic Rotational Manipulation of Cells and Organisms Using Oscillating Solid Structures. <i>Small</i> , 2016, 12, 5120-5125.	10.0	95
10	Acoustofluidic Fluorescence Activated Cell Sorter. <i>Analytical Chemistry</i> , 2015, 87, 12051-12058.	6.5	76
11	Reusable acoustic tweezers for disposable devices. <i>Lab on A Chip</i> , 2015, 15, 4517-4523.	6.0	60
12	Mixing high-viscosity fluids via acoustically driven bubbles. <i>Journal of Micromechanics and Microengineering</i> , 2017, 27, 015008.	2.6	60
13	Acoustofluidic actuation of in situ fabricated microrotors. <i>Lab on A Chip</i> , 2016, 16, 3532-3537.	6.0	51
14	Acoustofluidic Chemical Waveform Generator and Switch. <i>Analytical Chemistry</i> , 2014, 86, 11803-11810.	6.5	48
15	The influence of substrate temperature on the morphology, optical and electrical properties of thermal-evaporated ZnTe Thin Films. <i>Applied Surface Science</i> , 2009, 256, 1566-1572.	6.1	34
16	Acoustic actuation of in situ fabricated artificial cilia. <i>Journal of Micromechanics and Microengineering</i> , 2018, 28, 025012.	2.6	33
17	Acoustofluidic coating of particles and cells. <i>Lab on A Chip</i> , 2016, 16, 4366-4372.	6.0	27
18	A practical microfluidic pump enabled by acoustofluidics and 3D printing. <i>Microfluidics and Nanofluidics</i> , 2021, 25, 5.	2.2	26

#	ARTICLE	IF	CITATIONS
19	Vanadium Oxide Thin Films Alloyed with Ti, Zr, Nb, and Mo for Uncooled Infrared Imaging Applications. Journal of Electronic Materials, 2013, 42, 901-905.	2.2	19
20	A Simple Approach for Controlling an Open-Source Syringe Pump. European Mechanical Science, 2020, 4, 166-170.	0.9	17
21	Acoustofluidics: Acoustofluidic Rotational Manipulation of Cells and Organisms Using Oscillating Solid Structures (Small 37/2016). Small, 2016, 12, 5230-5230.	10.0	14
22	Potential of the acoustic micromanipulation technologies for biomedical research. Biomicrofluidics, 2021, 15, 061301.	2.4	14
23	Acousto-plasmodfluidics: Acoustic modulation of surface plasmon resonance in microfluidic systems. AIP Advances, 2015, 5, 097161.	1.3	9
24	High-resistivity and high-TCR vanadium oxide thin films for infrared imaging prepared by bias target ion-beam deposition. , 2013, , .		8
25	Potential for reactive pulsed-dc magnetron sputtering of nanocomposite VOx microbolometer thin films. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2014, 32, .	2.1	6
26	Rapid Characterization of Cell and Bacteria Counts using Computer Vision. Ṫrk DoĖya Ve Fen Dergisi, 0, , .	0.5	6
27	Fundamentals and applications of acoustics in microfluidics. , 2022, , 297-321.		5
28	A simple acoustofluidic device for on-chip fabrication of PLGA nanoparticles. Biomicrofluidics, 2022, 16, 014103.	2.4	4
29	A Battery-Powered Fluid Manipulation System Actuated by Mechanical Vibrations. Actuators, 2022, 11, 116.	2.3	4
30	Mixing high-viscosity fluids via acoustically driven bubbles. Journal of Micromechanics and Microengineering, 2017, 27, .	2.6	3
31	Acoustic Tweezers for Single-Cell Manipulation. , 2020, , 1-27.		2
32	Fundamentals of Intrinsic Stress during Silicide Formation. AIP Conference Proceedings, 2007, , .	0.4	1
33	Surface Acoustic Wave Induced Heat Knockdown of Caenorhabditis Elegans. Hittite Journal of Science & Engineering, 2021, 8, 35-40.	0.5	1
34	Acoustic Tweezers for Single-Cell Manipulation. , 2020, , 1-27.		0
35	Acoustic Tweezers for Single-Cell Manipulation. , 2022, , 1051-1077.		0