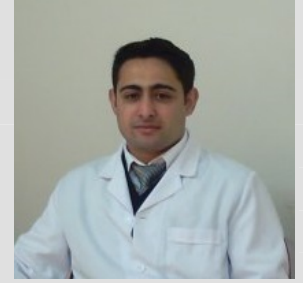


# ÖZGEÇMİŞ



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## Öğrenim Durumu

Derece	Üniversite	Program-Bölüm-Enstitü	Yıl
Lisans	Karadeniz Teknik Üniversitesi	Fizik Bölümü	2007
Y.Lisans	Pennsylvania State Üniversitesi	Malzeme Bilimi ve Mühendisliği Bölümü	2011
Doktora	Pennsylvania State Üniversitesi	Mühendislik Bilimi ve Mekanik	2016

## ( Üniversite-Kamu-Özel ) Sektör Görevleri

Görev Yeri	Görev Ünvanı	Yıl
C.B.Ü. Soma MYO	Öğretim Görevlisi Dr.	2017-
Duke Üniversitesi, NC, USA	Postdoctoral Associate	2016-2017
Recep Tayyip Erdoğan Üniversitesi	Araştırma Görevlisi	2007-2008

## Uluslararası indexe girmiş hakemli dergilerde yayımlanan makaleler

Yazar(lar)	Yayın Başlığı	Dergi	Cilt/Sayı/Sayfa	Tarih
Murat Kaynak, <b>Adem Ozcelik</b> , Paul E. Lammert, Amir Nourhani, Vincent H. Crespi, and Tony Jun Huang	Acoustic Actuation of Bioinspired Microswimmers	<i>Lab on Chip</i>	Vol:17 pp. [395 -400]	2017
<b>Adem Ozcelik</b> , Nitesh Nama, Po-Hsun Huang, Murat Kaynak, Melanie R. McReynolds, Wendy Hanna-Rose, and Tony Jun Huang	Acoustofluidic rotational manipulation using oscillating solid structures	<i>Small</i>	Vol:12 (37) pp. [5120-5125]	2016
Daniel Ahmed*, <b>Adem Ozcelik*</b> , Nagagireesh Bojanala, Nitesh Nama, Awani Upadhyay, Yuchao Chen, Wendy Hanna-Rose, and Tony Jun Huang (*Eşit katkılı yazar)	Rotational manipulation of single microparticles, cells, and organisms using acoustic waves	<i>Nature Communications</i>	Vol:7 pp. [11085 ]	2016
Mengqian Lu*, <b>Adem Ozcelik*</b> , Christopher L. Grigsby, Yanhui Zhao, Feng Guo, Kam W. Leong and Tony Jun Huang (*Eşit katkılı yazar)	Microfluidic Hydrodynamic Focusing for Synthesis of Nanomaterials	<i>Nano Today</i>	Vol:11 (6) pp. [778-792]	2016
Bugra Ayan, <b>Adem Ozcelik</b> , Shi-Yang Tang, Yuliang Xie, Mengxi Wu, Peng Li and Tony Jun Huang	Acoustofluidic coating of particles and cells	<i>Lab on Chip</i>	Vol:16 pp. [4366-4372]	2016
Sinem Orbay, <b>Adem Ozcelik</b> , James Lata, Murat Kaynak, Mengxi Wu, and Tony Jun Huang	Mixing high viscosity fluids via acoustically driven bubbles	<i>Journal of Micromechanics and Microengineering</i>	Vol:27 (1) pp. [015008]	2016

<b>Yazar(lar)</b>	<b>Yayın Başlığı</b>	<b>Dergi</b>	<b>Cilt/Sayı/Sayfa</b>	<b>Tarih</b>
Murat Kaynak, <b>Adem Ozcelik</b> , Amir Nourhani, Nitesh Nama, Paul E. Lammert, Vincent H. Crespi, and Tony Jun Huang	Acoustofluidic Actuation of In Situ Fabricated Microrotors	<i>Lab on Chip</i>	Vol:16 (18) pp. [3532-3537]	2016
Feng Guo, Yuliang Xie, Sixing Li, James Lata, Liqiang Ren, Zhangming Mao, Baiyang Ren, Mengxi Wu, <b>Adem Ozcelik</b> , and Tony Jun Huang	Reusable acoustic tweezers for disposable devices	<i>Lab on Chip</i>	Vol:15 pp. [4517, 2015]	2015
Ahmad Ahsan Nawaz, Yucaho Chen, Nitesh Nama, Ruth Nissly, Liqiang Ren, <b>Adem Ozcelik</b> , Lin Wang, J. Phillip McCoy, Stewart J. Levine, and Tony Jun Huang	An Acoustofluidic Fluorescence Activated Cell Sorter	<i>Analytical Chemistry</i>	Vol:87 (24) pp. [12051 ]	2015
Daniel Ahmed, Xiaolei Peng, <b>Adem Ozcelik</b> , Yuebing Zheng, Tony Jun Huang	Acousto-Plasmodics: Acoustic Modulation of Surface Plasmon Resonance in Microfluidic Systems	<i>AIP Advances</i>	Vol:5 (9) pp. [097161]	2015
<b>Adem Ozcelik</b> , Daniel Ahmed, Yuliang Xie, Nitesh Nama, Zhiguo Qu, Ahmad Ahsan Nawaz, Tony Jun Huang	An acoustofluidic micromixer via bubble inception and cavitation from microchannel sidewalls	<i>Analytical Chemistry</i>	Vol:86 (10) pp. [5083-5088]	2014
Daniel Ahmed, Hari S Muddana, Mengqian Lu, Jarrod B French, <b>Adem Ozcelik</b> , Ye Fang, Peter J Butler, Stephen J Benkovic, Andreas Manz, Tony Jun Huang	Acoustofluidic Chemical Waveform Generator and Switch	<i>Analytical Chemistry</i>	Vol:186 (23) pp. [11803]	2014
Yao Jin, <b>Adem Ozcelik</b> , Mark W. Horn, Thomas N. Jackson	Potential for reactive pulsed-dc magnetron sputtering of nanocomposite VOx microbolometer thin films	<i>Journal of Vacuum Science and Technology A</i>	Vol:32 pp. [061501]	2014
<b>Adem Ozcelik</b> , Orlando Cabarcos, David L. Allara, Mark W. Horn	Vanadium Oxide Thin Films Alloyed with Ti, Zr, Nb, and Mo for Uncooled Infrared Imaging Applications	<i>Journal of Electronic Materials</i>	Vol:42 (5) pp. [901]	2013
Yao Jin, Hitesh A Basantani, <b>Adem Ozcelik</b> , Tom N Jackson, Mark W Horn	High-resistivity and high-TCR vanadium oxide thin films for infrared imaging prepared by bias target ion-beam deposition	<i>Proc. SPIE</i>	Vol:8704 pp. [87043C]	2013
E Bacaksiz, S Aksu, N Ozer, M Tomakin, <b>A Özçelik</b>	The influence of substrate temperature on the morphology, optical and electrical properties of thermal-evaporated ZnTe Thin Films	<i>Applied Surface Science</i>	Vol:256 (5) pp. [1566]	2009
E Bacaksiz, M Parlak, M Tomakin, <b>A Özçelik</b> , M Karakiz, M Altunbaş	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>	Vol:466 (1) pp. [447]	2008
<b>Adem Ozcelik</b> , Charlotte Van Bockstael, Christophe Detavernier, Roland Vanmeirhaeghe	Fundamentals of intrinsic stress during silicide formation	<i>AIP Conference Proceedings</i>	Vol:899 pp. [453]	2007

## Uluslararası Konferanslarda Sunulan Bildiriler

Yazar(lar)	Başlık	Konferans	Yer	Tarih
<b>Adem Özcelik</b> , Yuliang Xie, Ahmad Ahsan Nawaz, Tony Jun Huang	Fast and Effective Mixing of High Viscosity Liquids via Acoustofluidic Bubble Cavitations	<i>BMES</i>	San Antonio, Texas, USA	2014
<b>Adem Özcelik</b> , Daniel Ahmed, Nitesh Nama and Tony Jun Huang	Rapid Mixing of High Viscosity Fluids via Bubble Cavitation from Microchannel Sidewalls	<i>the 18th International Conference on Miniaturized Systems for Chemistry and Life Sciences,</i>	San Antonio, Texas, USA	2014
<b>A. Özcelik</b> , O. Cabarcos, D. L. Allara, M. W. Horn	Effect of Transition Metals Co-sputtered with VOx for Use in Uncooled Infrared Imaging	54th Annual Electronic Materials Conference (EMC 2012)	State College, PA, USA	2012
<b>A. Özcelik</b> , C. Van Bockstael, C. Detavernier, R. Vanmeirhaeghe	The Stress Analysis of W and Mo Films on Si(100) Substrate During The Silicide Formation	<i>Fourth International Student Conference Of The Balkan Physical Union</i>	Bodrum, Türkiye	2006
<b>A. Özcelik</b> , C. Van Bockstael, C. Detavernier, R. Vanmeirhaeghe	Fundamentals of the Intrinsic Stress during Silicide Formation	6th International Conference of the Balkan Physical Union	İstanbul, TURKEY	2006
<b>A. Özçelik</b> , N. Damla, S. Çelebi	Importance of Solar Electricity for Energy Demand in Turkey	<i>IVth Int. Conference and Festival of Physics Students</i>	İzmir, TURKEY	2005

## Uzmanlık ve Araştırma Alanları

Alan	Anahtar Kelime(ler)
Mikro akışkanlar	Lab on a chip, microfluidics
Akusto akışkanlar	Akustik dalgalar, akustik radyasyon kuvveti
Mikro ve Nano elektromekanik sistemler	MEMS, NEMS, mikro cihazlar
İnce Filmler ve Yarı iletkenler	Mikrobolometreler, Vanadium Oksit, ZnO, ZnTe