

# Assoc. Prof. ENDER YILDIRIM

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Yoksis Researcher ID: 31835

## Published journal articles indexed by SCI, SSCI, and AHCI

- I. **A microfluidic platform for real-time enumeration and high accuracy retrieval of a very low number of cells**  
Şahin B., Doğan B. Ş., Özgür E., Zorlu Ö., Yildirim E., Külâh H.  
Microfluidics and Nanofluidics, vol.28, no.10, 2024 (SCI-Expanded)
- II. **Utilization of cross-correlation function for assessment of replication quality in ultrasonic embossing of microchannels on polymethyl methacrylate**  
Yildirim E., Ulku M. K., Arıkan M. A. S.  
Polymer Engineering and Science, vol.64, no.7, pp.3227-3242, 2024 (SCI-Expanded)
- III. **Humanized brain organoids-on-chip integrated with sensors for screening neuronal activity and neurotoxicity**  
Saglam-Metiner P., YILDIRIM E., Dincer C., Basak O., Yesil-Celiktas O.  
Microchimica Acta, vol.191, no.1, 2024 (SCI-Expanded)
- IV. **Analytical Validation of a Spiral Microfluidic Chip with Hydrofoil-Shaped Pillars for the Enrichment of Circulating Tumor Cells**  
Sen-Dogan B., Demir M. A., Sahin B., YILDIRIM E., Karayalcin G., Sahin S., Mutlu E., Toral T. B., Ozgur E., Zorlu O., et al.  
BIOSENSORS-BASEL, vol.13, no.10, 2023 (SCI-Expanded)
- V. **Platform-agnostic electrochemical sensing app and companion potentiostat**  
Manoharan V., Rodrigues R., Sadati S., Swann M. J., Freeman N., Du B., YILDIRIM E., TAMER U., Arvanitis T. N., Isakov D., et al.  
Analyst, vol.148, no.19, pp.4857-4868, 2023 (SCI-Expanded)
- VI. **Microfluidic-based blood immunoassays**  
TORUL H., Arslan Z. Ç., Tezcan T., Kayış E. Ç., Çalınacı M., Gumustas A., YILDIRIM E., KÜLAH H., TAMER U.  
JOURNAL OF PHARMACEUTICAL AND BIOMEDICAL ANALYSIS, vol.228, 2023 (SCI-Expanded)
- VII. **Assessment of silicon, glass, FR4, PDMS and PMMA as a chip material for acoustic particle/cell manipulation in microfluidics**  
Açıkgöz H. N., KARAMAN A., Şahin M. A., Çaylan Ö. R., Büke G. C., YILDIRIM E., Eroğlu İ. C., ERSON BENSAN A. E., Çetin B., ÖZER M. B.  
Ultrasonics, vol.129, 2023 (SCI-Expanded)
- VIII. **Escherichia coli Enumeration in a Capillary-Driven Microfluidic Chip with SERS**  
Doğan Ü., Sucularli F., Yildirim E., Çetin D., Suludere Z., Boyaci I. H., Tamer U.  
BIOSENSORS-BASEL, vol.12, no.9, 2022 (SCI-Expanded)
- IX. **Development of a microfluidic platform to maintain viability of micro-dissected tumor slices in culture**  
Parsian M., MUTLU P., YILDIRIM E., Ildiz C., ÖZEN C., GÜNDÜZ U.  
Biomicrofluidics, vol.16, no.3, 2022 (SCI-Expanded)

- X. **A capillary driven microfluidic chip for SERS based hCG detection**  
Ahi E. E., TORUL H., Zengin A., Sucularli F., YILDIRIM E., Selbes Y., SULUDERE Z., TAMER U.  
BIOSENSORS & BIOELECTRONICS, vol.195, 2022 (SCI-Expanded)
- XI. **A microfluidic device enabling drug resistance analysis of leukemia cells via coupled dielectrophoretic detection and impedimetric counting**  
Demircan Yalçın Y., Töral T. B., Sukas S., YILDIRIM E., Zorlu Ö., Gündüz U., KÜLAH H.  
Scientific Reports, vol.11, no.1, 2021 (SCI-Expanded)
- XII. **Flow rate-controlled pipetting for microfluidics: second-generation flexible hydraulic reservoir (FHRv2)**  
Atay A., Topuz A., Sariarslan B., YILDIRIM E., Charmet J., Couling K., ÇETİN B.  
MICROFLUIDICS AND NANOFUIDICS, vol.25, no.1, 2021 (SCI-Expanded)
- XIII. **A Novel Microfluidic Method Utilizing a Hydrofoil Structure to Improve Circulating Tumor Cell Enrichment: Design and Analytical Validation**  
Özkayar G., Mutlu E., Şahin Ş., Demircan Yalçın Y., Töral T., Külah H., Yıldırım E., Zorlu Ö., Özgür E.  
MICROMACHINES, vol.11, no.11, 2020 (SCI-Expanded)
- XIV. **Modeling and fabrication of electrostatically actuated diaphragms for on-chip valving of MEMS-compatible microfluidic systems**  
Atik A. C., Ozkan M. D., Ozgur E., Külah H., Yıldırım E.  
JOURNAL OF MICROMECHANICS AND MICROENGINEERING, vol.30, no.11, 2020 (SCI-Expanded)
- XV. **Multiplex enumeration of Escherichia coli and Salmonella enteritidis in a passive capillary microfluidic chip**  
Dogan U., Kasap E. N., Sucularli F., Yıldırım E., Tamer U., Cetin D., Suludere Z., Boyacı İ. H., Ertas N.  
ANALYTICAL METHODS, vol.12, pp.3788-3796, 2020 (SCI-Expanded)
- XVI. **Investigation of process-affected zone in ultrasonic embossing of microchannels on thermoplastic substrates**  
Sucularli F., ARIKAN M. A. S., YILDIRIM E.  
JOURNAL OF MANUFACTURING PROCESSES, vol.50, pp.394-402, 2020 (SCI-Expanded)
- XVII. **Low-Cost Microfabrication Tool Box**  
Charmet J., Rodrigues R., YILDIRIM E., Challa P. K., Roberts B., Dallmann R., Whulanza Y.  
MICROMACHINES, vol.11, no.2, 2020 (SCI-Expanded)
- XVIII. **Fast fluorometric enumeration of E. coli using passive chip**  
KASAP E. N., DOĞAN Ü., ÇOĞUN F., YILDIRIM E., BOYACI İ. H., ÇETİN D., SULUDERE Z., TAMER U., ERTAŞ N.  
JOURNAL OF MICROBIOLOGICAL METHODS, vol.164, 2019 (SCI-Expanded)
- XIX. **Numerical study on effects of computational domain length on flow field in standing wave thermoacoustic couple**  
MERGEN S., YILDIRIM E., TÜRKOĞLU H.  
CRYOGENICS, vol.98, pp.139-147, 2019 (SCI-Expanded)
- XX. **SERS-based ultrafast and sensitive detection of luteinizing hormone in human serum using a passive microchip**  
Gjergjizi B., Çoğun F., YILDIRIM E., ERYILMAZ M., Selbes Y., SAĞLAM N., TAMER U.  
SENSORS AND ACTUATORS B-CHEMICAL, vol.269, pp.314-321, 2018 (SCI-Expanded)
- XXI. **A novel zero-dead-volume sample loading interface for microfluidic devices: flexible hydraulic reservoir (FHR)**  
Hatipoğlu U., ÇETİN B., YILDIRIM E.  
JOURNAL OF MICROMECHANICS AND MICROENGINEERING, vol.28, no.9, 2018 (SCI-Expanded)
- XXII. **Analysis and testing of a contraction-and-expansion micromixer for micromilled microfluidics**  
YILDIRIM E.  
MICROSYSTEM TECHNOLOGIES-MICRO-AND NANOSYSTEMS-INFORMATION STORAGE AND PROCESSING SYSTEMS, vol.23, no.10, pp.4797-4804, 2017 (SCI-Expanded)
- XXIII. **Implementation and characterization of an absorption filter for on-chip fluorescent imaging**  
YILDIRIM E., ARPALI Ç., Arpali S. A.

- SENSORS AND ACTUATORS B-CHEMICAL, vol.242, pp.318-323, 2017 (SCI-Expanded)
- XXIV. **Investigation on replication of microfluidic channels by hot embossing**  
Cogun F., Yıldırım E., Arıkan M. A. S.  
MATERIALS AND MANUFACTURING PROCESSES, vol.32, pp.1838-1844, 2017 (SCI-Expanded)
- XXV. **Phaseguide assisted liquid lamination for magnetic particle-based assays**  
Phurimsak C., YILDIRIM E., Tarn M. D., Trietsch S. J., Hankemeier T., Pamme N., Vulto P.  
LAB ON A CHIP, vol.14, no.13, pp.2334-2343, 2014 (SCI-Expanded)
- XXVI. **Phaseguides as tunable passive microvalves for liquid routing in complex microfluidic networks**  
YILDIRIM E., Trietsch S. J., Joore J., van den Berg A., Hankemeier T., Vulto P.  
LAB ON A CHIP, vol.14, no.17, pp.3334-3340, 2014 (SCI-Expanded)
- XXVII. **A normally closed electrostatic parylene microvalve for micro total analysis systems**  
Yildirim E., ARIKAN M. F., KÜLAH H.  
SENSORS AND ACTUATORS A-PHYSICAL, vol.181, pp.81-86, 2012 (SCI-Expanded)
- XXVIII. **Electrostatic energy harvesting by droplet-based multi-phase microfluidics**  
Yildirim E., KÜLAH H.  
MICROFLUIDICS AND NANOFUIDICS, vol.13, no.1, pp.107-111, 2012 (SCI-Expanded)
- XXIX. **Analysis and characterization of an electrostatically actuated in-plane parylene microvalve**  
Yildirim E., KÜLAH H.  
JOURNAL OF MICROMECHANICS AND MICROENGINEERING, vol.21, no.10, 2011 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Design of a microfluidic device for immunoaffinity-based isolation of circulating tumor cells with minimal clogging**  
Sen-Dogan B., Yıldırım E., Sahin S., Ozgur E., Zorlu O., Külah H.  
SENSORS AND ACTUATORS REPORTS, vol.6, 2023 (ESCI)
- II. **Modeling and Analysis of a Microfluidic Capillary Valve**  
YILDIRIM E.  
Politeknik Dergisi, vol.20, pp.487-494, 2017 (Peer-Reviewed Journal)
- III. **MEMS Malzeme Karakterizasyonu için Bütünselik bir Elektrostatik Mikro Bükülme Test Yapısı Tasarımı ve Gerçekleştirilmesi**  
YILDIRIM E., AKIN T., ARIKAN M. A. S.  
Cankaya University Journal of Science and Engineering, vol.9, pp.9-23, 2012 (Peer-Reviewed Journal)

## Books & Book Chapters

- I. **Litografi**  
Yıldırım E.  
in: Nanoüretim Teknikleri, Fatma Doğan Güzel, Editor, Nobel Yayın Dağıtım, Ankara, pp.145-167, 2023
- II. **Lab on a chip: A versatile integration with spectroscopic techniques**  
Eryılmaz M., Yıldırım E., Tamer U.  
in: Handbook on Miniaturization in Analytical Chemistry, Chaudhery Mustansar Hussain, Editor, Elsevier Science, Oxford/Amsterdam, Amsterdam, pp.139-152, 2020
- III. **Otomatik Montaj Sistemleri**  
Yıldırım E.  
in: Otomasyon, Üretim Sistemleri ve Bilgisayarla Tümlüşik İmalat, Mustafa Yurdakul, Yusuf Tansel İç, Editor, Nobel Yayın Dağıtım, Ankara, pp.472-496, 2016
- IV. **Grup Teknoloji ve Hüresel İmalat**  
Yıldırım E.

in: Otomasyon, Üretim Sistemleri ve Bilgisayarla Tümlleşik İmalat, Mustafa Yurdakul, Yusuf Tansel İç, Editor, Nobel Yayın Dağıtım, Ankara, pp.497-530, 2016

**V. Otomatik Üretim Hatları**

Yıldırım E.

in: Otomasyon, Üretim Sistemleri ve Bilgisayarla Tümlleşik İmalat, Mustafa Yurdakul, Yusuf Tansel İç, Editor, Nobel Yayın Dağıtım, Ankara, pp.441-471, 2016

**VI. İmalat Sistemlerine Genel Bakış**

Yıldırım E.

in: Otomasyon, Üretim Sistemleri ve Bilgisayarla Tümlleşik İmalat, Mustafa Yurdakul, Yusuf Tansel İç, Editor, Nobel Yayın Dağıtım, Ankara, pp.353-365, 2016

**VII. Tek İstasyonlu İmalat Hücreleri**

Yıldırım E.

in: Otomasyon, Üretim Sistemleri ve Bilgisayarla Tümlleşik İmalat, Mustafa Yurdakul, Yusuf Tansel İç, Editor, Nobel Yayın Dağıtım, Ankara, pp.366-389, 2016

**VIII. Elle İşletilen Montaj Hatları**

Yıldırım E.

in: Otomasyon, Üretim Sistemleri ve Bilgisayarla Tümlleşik İmalat, Mustafa Yurdakul, Yusuf Tansel İç, Editor, Nobel Yayın Dağıtım, Ankara, pp.390-440, 2016

**IX. Mikroakışkan Sistemlere Yönelik Gelecek Tahminleri**

YEŞİL ÇELİKTAŞ Ö., ÇETİN B., YILDIRIM E.

in: Mikroakışkan Teknolojilerin Temelleri Ve Uygulamaları, Özlem Yeşil Çeliktaş, Editor, Ege Üniversitesi Basımevi, pp.199-205, 2016

**X. Mikroakışkan Sistemlerin Üretimi**

ÇETİN B., YILDIRIM E., AKAY Ş.

in: Mikroakışkan Teknolojilerin Temelleri Ve Uygulamaları, ÖZLEM YEŞİL ÇELİKTAŞ, Editor, Ege Üniversitesi Basımevi, pp.27-54, 2016

## **Refereed Congress / Symposium Publications in Proceedings**

- I. Analysis of Acoustically Actuated Sedimentation Prevention System for Syringe Pumps**  
KAYA A., ÖNER G., ERGÜVEN Ö. F., YILDIRIM E., ALMUS F. G.  
19th INTERNATIONAL CONFERENCE ON MACHINE DESIGN AND PRODUCTION, Aksaray, Turkey, 31 August 2022
- II. Design of An Anti-Sedimentation Syringe Pump for Microfluidics Applications**  
KOYUNCU E., KOÇUM A. T., KOÇ E., KÜÇÜKGENÇ C., KURTOĞLU B., KARAKAŞ O., KURUKAHVECİ E., YILDIRIM E., ALMUS F. G.  
19th INTERNATIONAL CONFERENCE ON MACHINE DESIGN AND PRODUCTION, Aksaray, Turkey, 31 August 2022
- III. A microfluidic platform for real-time enumeration and retrieval of low number of cells**  
Şahin B., Karayalçın G., Toral T., Şen Doğan B., Özgür E., Zorlu Ö., Yıldırım E., Külah H.  
Microfluidics 2022, Heidelberg, Germany, 11 July 2022, pp.80
- IV. An ultrasonic assisted method for fabricating metal layers on thermoplastic substrates for lab-on-a-chip**  
FARAHANI S., GÜMÜŞTAŞ A., ÜLKÜ M. K., TAMER U., ARIKAN M. A. S., YILDIRIM E.  
Microfluidics 2022, Heidelberg, Germany, 11 July 2022, pp.58
- V. DEVELOPMENT OF A MICROFLUIDIC PLATFORM TO MAINTAIN VIABILITY OF MICRO-DISSECTED TUMOR SLICES IN CULTURE**  
Parsian M., MUTLU P., YILDIRIM E., İldiz C., ÖZEN C., GÜNDÜZ U.  
The Sixth International Symposium on Pharmaceutical and Biomedical Sciences, Gaziantep, Turkey, 26 May 2022, pp.105
- VI. 2D PHASE-FIELD SIMULATION AND EXPERIMENTAL VALIDATION OF DROPLET FORMATION IN A FLOW-FOCUSING JUNCTION**

Atik A. C., Yıldırım E., Külâh H.

24th International Conference on Miniaturized Systems for Chemistry and Life Sciences, 4 - 09 October 2020, pp.222-223

VII. **NUMERICAL SIMULATION AND EXPERIMENTAL ANALYSIS OF INERTIAL CELL FOCUSING IN A CONTRACTION-EXPANSION ARRAY (CEA) MICROCHANNEL**

Atik A. C., Yıldırım E., Külâh H.

24th International Conference on Miniaturized Systems for Chemistry and Life Sciences, 4 - 09 October 2020

VIII. **Mikroakışkan sistemlerde immunolipozom destekli patojen bakteri tayini**

Eryılmaz M., İlbasmış Tamer S., Tayyarcan E. K., Ekşi Koçak H., Yıldırım E., Boyacı İ. H., Çetin D., Suludere Z., Tamer U. XVI. Ulusal Spektroskopî Kongresi, Turkey, 7 - 08 November 2019

IX. **Dielectrophoretic Detection Of Imatinib Resistance In K562 Cells Using A Lab-On-A-Chip System**

Demircan Yalçın Y., TORAL T. B., Sukaş S., Yıldırım E., Zorlu Ö., GÜNDÜZ U., KÜLAH H.

MicroTAS 2019, Basel, Switzerland, 27 - 31 October 2019

X. **FABRICATION OF ORGAN-ON-A-CHIP SYSTEMS AND BIOPRINTING**

YILDIRIM E.

8th BBBB International Conference on Pharmaceutical Sciences, Çeşme, Turkey, 14 - 16 October 2019

XI. **CHARACTERIZATION OF EMBEDDED MICROCHANNELS FABRICATED BY SLA**

Yıldırım E., Yaman U., Arıkan M. A. S.

4th INTERNATIONAL CONGRESS ON 3D PRINTING (ADDITIVE MANUFACTURING) TECHNOLOGIES AND DIGITAL INDUSTRY, Antalya, Turkey, 11 - 14 April 2019

XII. **GENERATION AND CHARACTERIZATION OF HYDROGEL MICRODROPLETS AS BIOINK FOR BIOPRINTING APPLICATIONS**

Sucularlı F., Yıldırım E., Arıkan M. A. S.

4th INTERNATIONAL CONGRESS ON 3D PRINTING (ADDITIVE MANUFACTURING) TECHNOLOGIES AND DIGITAL INDUSTRY, Antalya, Turkey, 11 - 14 April 2019, pp.416-419

XIII. **A combinational approach for determining the channel dimensions and separation wall location in a spiral microchannel**

Özkayar G., Sukaş S., Töral T. B., YILDIRIM E., Zorlu Ö., KÜLAH H.

Liquid Biopsy for Cancer - Gordon Research Seminar Conference, 4 - 05 August 2018

XIV. **Enumeration of Escherichia coli based on SERS technique in a passive type microfluidic chip**

Doğan Ü., Kasap E. N., Çoğun F., Yıldırım E., Çetin D., Suludere Z., Boyacı İ. H., Ertaş N., Tamer U.

ISOPS-12 Ankara, Turkey, Ankara, Turkey, 26 - 29 June 2018, pp.99-100

XV. **Determination of Electrical Heterogeneities in Cell Lines by Dielectrophoresis Utilizing High Conductivity Buffers**

Demircan Yalçın Y., Töral T. B., Sukaş S., KÜLAH H., YILDIRIM E., Zorlu Ö.

ICNMM 2018, 10 - 13 June 2018

XVI. **Fluorescent on-chip imager by using a tunable absorption filter**

Arpali Ç., Yıldırım E., Altay Arpali S.

The European Conference on Lasers and Electro-Optics, Munich, Germany, 25 - 29 June 2017, pp.3

XVII. **Simultaneous Detection of Two Different Bacteria Using QDs and MNPs**

Doğan Ü., Kasap E. N., Çoğun F., Yıldırım E., Çetin D., Suludere Z., Boyacı İ. H., Ertaş N., Tamer U.

10th Aegean Analytical Chemistry Days, Çanakkale, Turkey, 29 September - 02 October 2016, pp.365-0

XVIII. **Chip-Based Immunomagnetic Separation of Human Chorionic Gonadotropin**

Ahi E. E., Gümüştaş A., Çiftçi H., Çağlayan M. G., Selbes Y. S., Çoğun F., Yıldırım E., Tamer U.

10th Aegean Analytical Chemistry Days, Çanakkale, Turkey, 29 September - 02 October 2016, pp.361

XIX. **Microchip Based Determination of Bacteria by in-Chip Sandwich Immunoassay**

Kasap E. N., Çoğun F., Yıldırım E., Doğan Ü., Boyacı İ. H., Çetin D., Suludere Z., Tamer U., Ertaş N.

10th Aegean Analytical Chemistry Days, Çanakkale, Turkey, 29 September - 02 October 2016, pp.31-0

XX. **On-Chip Insulated Micro Well Array for Cell Viability Assays**

Parsian M., Atik A. C., Özkan M. D., GÜNDÜZ U., KÜLAH H., Özgür E., YILDIRIM E.

EMBL Conference: Microfluidics 2016, 24 - 26 July 2016

- XXI. **A Novel Cell Sorting Structure to Improve Droplet Based Single Cell Encapsulation**  
Atik A. C., Özkan M. D., KÜLAH H., Özgür E., YILDIRIM E.  
EMBL Conference: Microfluidics 2016, 24 - 26 July 2016
- XXII. **Effect of Preheating on Channel Geometry and Surface Texture in Fabrication of Plastic Microfluidic Chips by Ultrasonic Hot Embossing**  
ÇOĞUN F., YILDIRIM E.  
EMBL Conference: Microfluidics 2016, 24 - 26 July 2016
- XXIII. **Rep-Rap 3 Boyutlu Yazıcı Kullanılarak Biyo Yazıcı Uygulaması**  
Yıldırım B., Pank B. K., Keçeci E., Totuk O., YILDIRIM E.  
3B BASKI TEKNOLOJİLERİ ULUSLARARASI SEMPOZYUMU, 5 - 07 May 2016
- XXIV. **MaSter: UV-C Sterilizer for Magistral Medication Preparation in Pharmacies**  
Totuk O. H., YILDIRIM E.  
8. Mühendislik ve Teknoloji Sempozyumu, Turkey, 14 - 15 May 2015
- XXV. **Optimization of Hot Embossing Process for Fabrication of Microfluidic Devices**  
Ziyara A., ÇOĞUN F., Varol C., Totuk O. H., YILDIRIM E.  
8. Mühendislik ve Teknoloji Sempozyumu, Turkey, 14 - 15 May 2015
- XXVI. **Phaseguides: A Toolbox for Passive Microfluidics**  
YILDIRIM E., Trietsch S. J., Joore J., Hankemeier T., Vulto P.  
EMBL Conference: Microfluidics 2014, 23 - 25 July 2014
- XXVII. **PHASEGUIDE ASSISTED LIQUID LAMINATION FOR MAGNETIC BEAD BASED ASSAYS**  
Phurimsak C., YILDIRIM E., Trietsch S. J., Hankemeier T., Tarn M. D., Pamme N., Vulto P.  
17th International Conference on Miniaturized Systems for Chemistry and Life Sciences, 27 - 31 October 2013
- XXVIII. **Reconfigurable Microfluidic Transmitarray Unit Cells**  
Erdil E., Kaan T., Zorlu Ö., Toral T., Yıldırım E., KÜLAH H., ÖZLEM C. A.  
MEMSWAVE 2013, 14th International Symposium on RF-MEMS and RF-Microsystems, Potsdam, Germany, 1 - 03 July 2013
- XXIX. **Reconfigurable Microfluidic Transmitarray Unit Cell**  
Erdil E., Topallı K., Zorlu Ö., Toral T., Yıldırım E., KÜLAH H., Özlem C. A.  
European Conference on Antennas and Propagation (EUCAP) 2013), GÖTEBORG, Sweden, 8 - 12 April 2013
- XXX. **A Reconfigurable Microfluidic Transmitarray Unit Cell**  
Erdil E., Topallı K., Zorlu Ö., Toral T., YILDIRIM E., KÜLAH H., AYDIN ÇİVİ H. Ö.  
7th European Conference on Antennas and Propagation, 8 - 12 April 2013
- XXXI. **A Droplet based Multi-Drug Screening System Controlled with Electrostatic Microvalves**  
YILDIRIM E., Özgür E., KÜLAH H.  
16th International Conference on Miniaturized Systems for Chemistry and Life Sciences, 28 October - 01 November 2012
- XXXII. **Analysis and Testing of a Micromixer for Precision Milled Microchannel Networks**  
YILDIRIM E.  
EMBL Conference: Microfluidics 2012, 25 - 27 July 2012
- XXXIII. **An electrostatically actuated parylene microvalve for lab on a chip applications**  
YILDIRIM E., ARIKAN M. A. S., KÜLAH H.  
16. International Conference on Solid State Sensors, Actuators and Micro Systems, 5 - 09 July 2011
- XXXIV. **Design and Leakage Characterization of a Microvalve for Parylene Based Lab-on-a-Chip Systems**  
Yıldırım E., Arıkan M. A. S., Külah H.  
4. Mühendislik ve Teknoloji Sempozyumu, Ankara, Turkey, 28 - 29 April 2011
- XXXV. **An Electrostatic Parylene Microvalve for Lab-on-a-Chip Applications**  
Yıldırım E., Koyuncuoğlu A., Külah H.  
15. Biyomedikal Mühendisliği Ulusal Toplantısı, Antalya, Turkey, 21 - 24 April 2010
- XXXVI. **An electrostatic parylene microvalve for controlling in plane flow**  
YILDIRIM E., Koyuncuoğlu A., KÜLAH H.  
13. International Conference on Miniaturized Systems for Chemistry and Life Sciences, 1 - 05 November 2009

## **Metrics**

Publication: 79

Citation (WoS): 328

Citation (Scopus): 395

H-Index (WoS): 12

H-Index (Scopus): 13

## **Non Academic Experience**

2012 - 2013

Leiden University Academic Center for Drug Research