

Stanford



Sena Yaman

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Bio

PROFESSIONAL EDUCATION

- Doctor of Philosophy, Izmir Institute of Technology , Bioengineering

STANFORD ADVISORS

- Gozde Durmus, Postdoctoral Faculty Sponsor

Publications

PUBLICATIONS

- **EV-Lev: extracellular vesicle isolation from human plasma using microfluidic magnetic levitation device.** *Lab on a chip*
Yaman, S., Devoe, T., Aygun, U., Parlatan, U., Bobbili, M. R., Karim, A. H., Grillari, J., Durmus, N. G.
2025
- **Nanoscale Detection of EpCAM-Positive Extracellular Vesicles Using Magnetic Beads and Interferometric Scattering Microscopy**
Aygun, U., Yaman, S., Parlatan, U., Durmus, N.
edited by Verma, P., Suh, Y. D.
SPIE-INT SOC OPTICAL ENGINEERING.2025
- **Portable Optofluidic Device for Dynamic Binding Analysis in Field-Settings**
Kurul, F., Avci, M., Yaman, S., Topkaya, S., Cetin, A. E.
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- **Handheld optofluidic platform towards binding dynamics applications in field-settings** *SENSORS AND ACTUATORS A-PHYSICAL*
Yaman, S., Avci, M., Kurul, F., Topkaya, S., Cetin, A. E.
2023; 363
- **Levitational 3D Bioassembly and Density-Based Spatial Coding of Levitoids** *ADVANCED FUNCTIONAL MATERIALS*
Moncal, K., Yaman, S., Durmus, N.
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- **Size and density measurements of single sickle red blood cells using microfluidic magnetic levitation.** *Lab on a chip*
Goreke, U., Bode, A., Yaman, S., Gurkan, U. A., Durmus, N. G.
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- **HologLev: A Hybrid Magnetic Levitation Platform Integrated with Lensless Holographic Microscopy for Density-Based Cell Analysis** *ACS SENSORS*
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- **Magnetic Susceptibility-Based Protein Detection Using Magnetic Levitation** *ANALYTICAL CHEMISTRY*
Yaman, S., Tekin, H.
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- **Magnetic Force-Based Micro fluidic Techniques for Cellular and Tissue Bioengineering** *FRONTIERS IN BIOENGINEERING AND BIOTECHNOLOGY*
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- **Biofabrication of in situ Self Assembled 3D Cell Cultures in a Weightlessness Environment Generated using Magnetic Levitation** *SCIENTIFIC REPORTS*
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2018; 8: 7239
- **Beet molasses-based feeding strategy enhances recombinant thermostable glucose isomerase production by Escherichia coli BL21 (DE3)** *BIOTECHNOLOGY AND APPLIED BIOCHEMISTRY*
Yaman, S., Calik, P.
2017; 64 (6): 944-954
- **Synthesis of adsorbents with dendronic structures for protein hydrophobic interaction chromatography** *JOURNAL OF CHROMATOGRAPHY A*
Mata-Gomez, M. A., Yaman, S., Valencia-Gallegos, J. A., Tari, C., Rito-Palomares, M., Gonzalez-Valdez, J.
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