Faculty Members Website
University of Tabriz



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Papers in Conferences

1. Reyhane Zarei , Mousa Shamsi , Amin Eidi ,Evaluation of Blood Bilirubin via Visible Light Waves ,2025 33rd International Conference on Electrical Engineering (ICEE) ,2025/5/13.

Papers in Journals

1. Amin Eidi , Mousa Shamsi , Habib Badri Ghavifekr،In this paper, a fluidic biosensor with possibility to fabricate by Micro-Electro-Mechanical Systems (MEMS) technology is proposed for biomedical mass detection and lab-on-a-chip applications. This is designed by electromechanical coupling of harmonic mi،Journal of Nonlinear Systems in Electrical Engineering - Sahand (Tabriz) University of Technology،2020.
2. Amin Eidi,Modeling and simulation of an ultra-low frequency and low-pressure resonator,COMPEL - Emerald Publishing,November 08 2022.
3. Amin Eidi , Mousa Shamsi , Habib Badri Ghavifekr,Advanced Resonator Mass Sensor for Molecule Detection in Droplet,Sensor Review - Emerald Publication,March 20 2023.
4. Amin Eidi , Mousa Shamsi , Habib Badri Ghavifekr,Design and evaluation of a micro resonator structure as a biosensor for droplet analysis with a standard fabrication method,Sensor Review - Emerald Publishing,January 18 2022.
5. Amin Eidi,Fabrication and evaluation of a thermal flowmeter for human respiration,Sensor Review - Emerald Publication,December 19 2025.
6. Eidi ,& Zeynali,Liquid viscosity measurement based on disk-shaped electromechanical resonator,Sensor Review - Emerald Publication,August 26 2024.
7. Amin Eidi,A novel viscosity sensor based on electromagnetic motor with suspended rotor,IEEE Instrumentation & Measurement Magazine,24 August 2026.
8. Amin Eidi,Optimized Cantilever Sensor Based on Parallel High Dielectric Material,Sensing and Imaging - Springer,22 March 2022.
9. Amin Eidi,Fabricated Electromechanical Resonator Sensor for Liquid Viscosity Measurement,Metrology and Measurement Systems,2023.
10. A Eidi , H Badri Ghavifekr , M Shamsi,A novel biosensor based on micromechanical resonator array for lab-on-a-chip applications,Sensing and Imaging - Springer,17 October 2019.
11. Amin Eidi,Blood Viscosity Biosensor Based on Electromagnetic Resonator,Cardiovascular Engineering and Technology - Springer,11 August 2023.
12. Amin Eidi,An ultra-low frequency and low-pressure capacitive blood pressure sensor based on micro-mechanical resonator,Sensing and Imaging - Springer,08 November 2022.
13. Amin Eidi,Design and evaluation of an implantable MEMS based biosensor for blood analysis and

real-time measurement,Microsystem Technologies - Springer,07 June 2023.
14. Amin Eidi,Design, simulation and fabrication of an optimized mass sensor based on electromechanical resonator for molecules detection and measurement,IEEE Instrumentation & Measurement Magazine,01 September 2023.