# Boris D Zaitsev

List of Publications by Year
in descending order



| 25 | 220 | 1163117 8 | 996975 15 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 25 | 25 | 25 | 148 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Liquid sensor based on a piezoelectric lateral electric field-excited resonator. Ultrasonics, 2015, 63, 179-183. | 3.9 | 37 |
| 2 | Biological sensor based on a lateral electric field-excited resonator. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2012, 59, 963-969. | 3.0 | 31 |
| 3 | Super high sensitive plate acoustic wave humidity sensor based on graphene oxide film. Ultrasonics, 2017, 81, 135-139. | 3.9 | 24 |
| 4 | Elastic and viscous properties of nanocomposite films based on low-density polyethylene. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2010, 57, 2099-2102. | 3.0 | 19 |
| 5 | The power flow angle of acoustic waves in thin piezoelectric plates. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2008, 55, 1984-1991. | 3.0 | 15 |
| 6 | Correspondence - Acoustic waves in a structure containing two piezoelectric plates separated by an air (vacuum) gap. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2013, 60, 2677-2681. | 3.0 | 15 |
| 7 | Influence of Humidity on the Acoustic Properties of Mushroom Mycelium Films Used as Sensitive Layers for Acoustic Humidity Sensors. Sensors, 2020, 20, 2711. | 3.8 | 15 |
| 8 | New approach to detection of guided waves with negative group velocity: Modeling and experiment. Journal of Sound and Vibration, 2019, 442, 155-166. | 3.9 | 11 |
| 9 | The study of the mechanical properties of thin films using piezoceramic acoustic resonators. ITM Web of Conferences, 2019, 30, 07002. | 0.5 | 6 |
| 10 | Acoustical Slot Mode Sensor for the Rapid Coronaviruses Detection. Sensors, 2021, 21, 1822. | 3.8 | 6 |
| 11 | Evaluation of Elastic Properties and Conductivity of Chitosan Acetate Films in Ammonia and Water Vapors Using Acoustic Resonators. Sensors, 2020, 20, 2236. | 3.8 | 5 |
| 12 | Biosensors for Virus Detection. , 2021, , 95-116. | | 5 |
| 13 | The Radial Electric Field Excited Circular Disk Piezoceramic Acoustic Resonator and Its Properties. Sensors, 2021, 21, 608. | 3.8 | 5 |
| 14 | Sensor Based on PZT Ceramic Resonator with Lateral Electric Field for Immunodetectionof Bacteria in the Conducting Aquatic Environment â€. Sensors, 2020, 20, 3003. | 3.8 | 4 |
| 15 | A new liquid sensor based on a piezoelectric resonator with a radial electric field. Ultrasonics, 2022, 119, 106603. | 3.9 | 4 |
| 16 | Lateral electric field excited resonator based on PZT ceramics. , 2015, , . | | 3 |
| 17 | Gas Sensor Based on the Piezoelectric Resonator with Lateral Electric Field and Films of Chitosan Salts. , 2019, , . | | 3 |
| 18 | The Experimental Registration of the Evanescent Acoustic Wave in YX LiNbO3 Plate. Sensors, 2021, 21, 2238. | 3.8 | 3 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Sensor System Based on a Piezoelectric Resonator with a Lateral Electric Field for Virus Diagnostics. Ultrasound in Medicine and Biology, 2022, 48, 901-911. | 1.5 | 3 |
| 20 | Microbial Acoustical Analyzer for Antibiotic Indication. Sensors, 2022, 22, 2937. | 3.8 | 3 |
| 21 | Analysis of Microbial Cell Viability in a Liquid Using an Acoustic Sensor. Ultrasound in Medicine and Biology, 2020, 46, 1026-1039. | 1.5 | 2 |
| 22 | Determination of the Acoustic Properties of a Phenolic Resin Film Using a Radial Electric Field Excited Piezoceramic Resonator. , 2021, , . | | 1 |
| 23 | The experimental study of acoustic waves of frequency ∼ 40GHz. , 2009, , . | | 0 |
| 24 | The application of the variation method for the estimation of the viscosity of solid. , 2012, , . | | 0 |
| 25 | Acoustic waves in two piezoelectric plates separated by a vacuum gap. , 2012, , . | | 0 |