

Ivan D Avramov

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

106
citations

1307594

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h-index

1372567

10
g-index

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docs citations

18
times ranked

78
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Highly Mass-Sensitive Thin Film Plate Acoustic Resonators (FPAR). <i>Sensors</i> , 2011, 11, 6942-6953. | 3.8 | 14 |
| 2 | Polymer coating behavior of Rayleigh-SAW resonators with gold electrode structure for gas sensor applications. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2007, 54, 157-166. | 3.0 | 13 |
| 3 | High-resolution humidity measurements with surface transverse wave based resonant devices. Applications to wireless remote sensing. <i>Materials Science and Engineering C</i> , 2000, 12, 71-76. | 7.3 | 12 |
| 4 | The RF-powered surface wave sensor oscillator - a successful alternative to passive wireless sensing. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2004, 51, 1148-1156. | 3.0 | 9 |
| 5 | Low voltage surface transverse wave oscillators for the next generation CMOS technology. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2005, 52, 1247-1252. | 3.0 | 9 |
| 6 | Temperature Frequency Characteristics of Hexamethyldisiloxane (HMDSO) Polymer Coated Rayleigh Surface Acoustic Wave (SAW) Resonators for Gas-Phase Sensor Applications. <i>Micromachines</i> , 2012, 3, 413-426. | 2.9 | 9 |
| 7 | Temperature behavior of solid polymer film coated quartz crystal microbalance for sensor applications. <i>Sensors and Actuators B: Chemical</i> , 2015, 216, 240-246. | 7.8 | 8 |
| 8 | Langmuir-Blodgett Films from Fluorescently Labelled Phospholipids Deposited on Surface Acoustic Wave Devices. <i>Journal of Physics: Conference Series</i> , 2019, 1186, 012007. | 0.4 | 8 |
| 9 | Analysis and design of negative resistance oscillators using surface transverse wave-based single port resonators. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2003, 50, 220-229. | 3.0 | 7 |
| 10 | Design of Rayleigh SAW Resonators for Applications as Gas Sensors in Highly Reactive Chemical Environments. , 2006, , . | | 4 |
| 11 | Sensitivity Enhancement in Plasma Polymer Films for Surface Acoustic Wave Based Sensor Applications. <i>Coatings</i> , 2021, 11, 1193. | 2.6 | 3 |
| 12 | HIGH-PERFORMANCE SURFACE TRANSVERSE WAVE RESONATORS IN THE LOWER GHz FREQUENCY RANGE. <i>Selected Topics in Electronics and Systems</i> , 2000, , 183-240. | 0.2 | 2 |
| 13 | 1.5-GHz voltage controlled oscillator with 3% tuning bandwidth using a two-pole DSBAR filter. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2011, 58, 916-923. | 3.0 | 2 |
| 14 | On the mass sensitivity of Rayleigh surface acoustic wave (RSAW) resonators. , 2017, , . | | 2 |
| 15 | Layer by Layer Optimization of Langmuir-Blodgett Films for Surface Acoustic Wave (SAW) Based Sensors for Volatile Organic Compounds (VOC) Detection. <i>Coatings</i> , 2022, 12, 669. | 2.6 | 2 |
| 16 | Low-voltage, Crystal Controlled Comb Spectrum Oscillator for Injection Locked STW Based Clocks with Improved Stability. , 2006, , . | | 1 |
| 17 | The Quartz Surface Microbalance - a Possible Candidate for Rapid Respiratory Virus Detection. , 2021, , . | | 1 |
| 18 | STW resonator with organo-functionalized metallic nanoparticle film for vapor sensing. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2009, 56, 1018-1023. | 3.0 | 0 |