

Ivan D Avramov

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	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
2	The Quartz Surface Microbalance - a Possible Candidate for Rapid Respiratory Virus Detection. , 2021, , .		1
3	Sensitivity Enhancement in Plasma Polymer Films for Surface Acoustic Wave Based Sensor Applications. <i>Coatings</i> , 2021, 11, 1193.	2.6	3
4	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
5	On the mass sensitivity of Rayleigh surface acoustic wave (RSAW) resonators. , 2017, , .		2
6	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
7	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
8	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
9	Highly Mass-Sensitive Thin Film Plate Acoustic Resonators (FPAR). <i>Sensors</i> , 2011, 11, 6942-6953.	3.8	14
10	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
11	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
12	Design of Rayleigh SAW Resonators for Applications as Gas Sensors in Highly Reactive Chemical Environments. , 2006, , .		4
13	Low-voltage, Crystal Controlled Comb Spectrum Oscillator for Injection Locked STW Based Clocks with Improved Stability. , 2006, , .		1
14	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
15	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
16	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
17	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
18	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