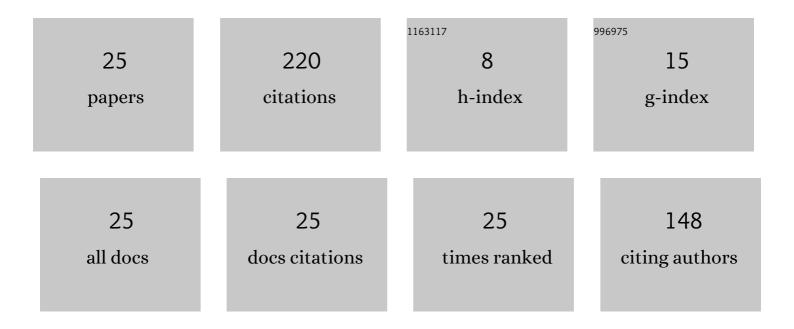
Boris D Zaitsev

List of Publications by Year in descending order

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RODIS D ZAITSEV

#	Article	lF	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

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#	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