

# Boris D Zaitsev

## List of Publications by Year in descending order

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Version: 2024-02-01

25  
papers

220  
citations

1163117

8  
h-index

996975

15  
g-index

25  
all docs

25  
docs citations

25  
times ranked

148  
citing authors

#	ARTICLE	IF	CITATIONS
1	A new liquid sensor based on a piezoelectric resonator with a radial electric field. Ultrasonics, 2022, 119, 106603.	3.9	4
2	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
3	Microbial Acoustical Analyzer for Antibiotic Indication. Sensors, 2022, 22, 2937.	3.8	3
4	Biosensors for Virus Detection. , 2021, , 95-116.		5
5	The Experimental Registration of the Evanescent Acoustic Wave in YX LiNbO3 Plate. Sensors, 2021, 21, 2238.	3.8	3
6	Acoustical Slot Mode Sensor for the Rapid Coronaviruses Detection. Sensors, 2021, 21, 1822.	3.8	6
7	The Radial Electric Field Excited Circular Disk Piezoceramic Acoustic Resonator and Its Properties. Sensors, 2021, 21, 608.	3.8	5
8	Determination of the Acoustic Properties of a Phenolic Resin Film Using a Radial Electric Field Excited Piezoceramic Resonator. , 2021, , .		1
9	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
10	Sensor Based on PZT Ceramic Resonator with Lateral Electric Field for Immunodetection of Bacteria in the Conducting Aquatic Environment â€. Sensors, 2020, 20, 3003.	3.8	4
11	Analysis of Microbial Cell Viability in a Liquid Using an Acoustic Sensor. Ultrasound in Medicine and Biology, 2020, 46, 1026-1039.	1.5	2
12	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
13	Gas Sensor Based on the Piezoelectric Resonator with Lateral Electric Field and Films of Chitosan Salts. , 2019, , .		3
14	The study of the mechanical properties of thin films using piezoceramic acoustic resonators. ITM Web of Conferences, 2019, 30, 07002.	0.5	6
15	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
16	Super high sensitive plate acoustic wave humidity sensor based on graphene oxide film. Ultrasonics, 2017, 81, 135-139.	3.9	24
17	Lateral electric field excited resonator based on PZT ceramics. , 2015, , .		3
18	Liquid sensor based on a piezoelectric lateral electric field-excited resonator. Ultrasonics, 2015, 63, 179-183.	3.9	37

#	ARTICLE	IF	CITATIONS
19	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
20	The application of the variation method for the estimation of the viscosity of solid. , 2012, , .		0
21	Acoustic waves in two piezoelectric plates separated by a vacuum gap. , 2012, , .		0
22	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
23	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
24	The experimental study of acoustic waves of frequency &#x223C; 40GHz. , 2009, , .		0
25	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