

Ricardo J Zednik

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

154
citations

1163117

8
h-index

1199594

12
g-index

20
all docs

20
docs citations

20
times ranked

94
citing authors

#	ARTICLE	IF	CITATIONS
1	Scaled-Up Multi-Needle Electrospinning Process Using Parallel Plate Auxiliary Electrodes. <i>Nanomaterials</i> , 2022, 12, 1356.	4.1	11
2	Indentation fracture toughness of semiconducting gallium arsenide at elevated temperatures. <i>Engineering Failure Analysis</i> , 2022, 137, 106417.	4.0	1
3	High-temperature electrical conductivity in piezoelectric lithium niobate. <i>Journal of Applied Physics</i> , 2022, 131, .	2.5	8
4	Characterization of the Elastic, Piezoelectric, and Dielectric Properties of Lithium Niobate from 25 Å°C to 900 Å°C Using Electrochemical Impedance Spectroscopy Resonance Method. <i>Materials</i> , 2022, 15, 4716.	2.9	7
5	Polyvinylidene fluoride nanofibers obtained by electrospinning and blowspinning: Electrospinning enhances the piezoelectric I ² â€phase â€ myth or reality?. <i>Journal of Applied Polymer Science</i> , 2021, 138, 49959.	2.6	7
6	Fracture surface analysis and quantitative characterization of gallium arsenide III-V semiconductors using fractography. <i>Engineering Failure Analysis</i> , 2021, 123, 105313.	4.0	7
7	Contactless Capacitive Electrocardiography Using Hybrid Flexible Printed Electrodes. <i>Sensors</i> , 2020, 20, 5156.	3.8	7
8	Dynamic crack modeling and analytical stress field analysis in single-crystal silicon using quantitative fractography. <i>Theoretical and Applied Fracture Mechanics</i> , 2020, 109, 102693.	4.7	12
9	Characterization of Pure Face-Shear Strain in Piezoelectric Î±-Tellurium Dioxide (Î±-TeO ₂). <i>Crystals</i> , 2020, 10, 939.	2.2	1
10	Printing accuracy tracking with 2D optical microscopy and super-resolution metamaterial-assisted 1D terahertz spectroscopy. <i>Npj Flexible Electronics</i> , 2020, 4, .	10.7	16
11	Generalized Dynamic Analytical Model of Piezoelectric Materials for Characterization Using Electrical Impedance Spectroscopy. <i>Materials</i> , 2019, 12, 2502.	2.9	4
12	Contactless In Situ Electrical Characterization Method of Printed Electronic Devices with Terahertz Spectroscopy. <i>Sensors</i> , 2019, 19, 444.	3.8	17
13	Piezoelectric Earcanal Bending Sensor. <i>IEEE Sensors Journal</i> , 2018, 18, 2060-2067.	4.7	10
14	High temperature characterization of piezoelectric lithium niobate using electrochemical impedance spectroscopy resonance method. <i>Journal of Applied Physics</i> , 2017, 122, .	2.5	17
15	Torsional Piezoelectric Strain in Monocrystalline Paratellurite. <i>Materials Science Forum</i> , 2016, 879, 637-641.	0.3	1
16	Power capacity from earcanal dynamic motion. <i>AIP Advances</i> , 2016, 6, .	1.3	8
17	Flexural Strength by Fractography in Modern Brittle Materials. <i>Journal of the American Ceramic Society</i> , 2013, 96, 3908-3914.	3.8	18