Ricardo J Zednik

List of Publications by Year
in descending order

17	154	1163117 8	1199594 12
papers	citations	h-index	g-index

20	20	20	94
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Flexural Strength by Fractography in Modern Brittle Materials. Journal of the American Ceramic Society, 2013, 96, 3908-3914.	3.8	18
2	High temperature characterization of piezoelectric lithium niobate using electrochemical impedance spectroscopy resonance method. Journal of Applied Physics, 2017, 122, .	2.5	17
3	Contactless In Situ Electrical Characterization Method of Printed Electronic Devices with Terahertz Spectroscopy. Sensors, 2019, 19, 444.	3.8	17
4	Printing accuracy tracking with 2D optical microscopy and super-resolution metamaterial-assisted 1D terahertz spectroscopy. Npj Flexible Electronics, 2020, 4, .	10.7	16
5	Dynamic crack modeling and analytical stress field analysis in single-crystal silicon using quantitative fractography. Theoretical and Applied Fracture Mechanics, 2020, 109, 102693.	4.7	12
6	Scaled-Up Multi-Needle Electrospinning Process Using Parallel Plate Auxiliary Electrodes. Nanomaterials, 2022, 12, 1356.	4.1	11
7	Piezoelectric Earcanal Bending Sensor. IEEE Sensors Journal, 2018, 18, 2060-2067.	4.7	10
8	Power capacity from earcanal dynamic motion. AIP Advances, 2016, 6, .	1.3	8
9	High-temperature electrical conductivity in piezoelectric lithium niobate. Journal of Applied Physics, 2022, 131, .	2.5	8
10	Contactless Capacitive Electrocardiography Using Hybrid Flexible Printed Electrodes. Sensors, 2020, 20, 5156.	3.8	7
11	Polyvinylidene fluoride nanofibers obtained by electrospinning and blowspinning: Electrospinning enhances the piezoelectric Î²â€phase â€“ myth or reality?. Journal of Applied Polymer Science, 2021, 138, 49959.	2.6	7
12	Fracture surface analysis and quantitative characterization of gallium arsenide III-V semiconductors using fractography. Engineering Failure Analysis, 2021, 123, 105313.	4.0	7
13	Characterization of the Elastic, Piezoelectric, and Dielectric Properties of Lithium Niobate from 25 Â°C to 900 Â°C Using Electrochemical Impedance Spectroscopy Resonance Method. Materials, 2022, 15, 4716.	2.9	7
14	Generalized Dynamic Analytical Model of Piezoelectric Materials for Characterization Using Electrical Impedance Spectroscopy. Materials, 2019, 12, 2502.	2.9	4
15	Torsional Piezoelectric Strain in Monocrystalline Paratellurite. Materials Science Forum, 2016, 879, 637-641.	0.3	1
16	Characterization of Pure Face-Shear Strain in Piezoelectric Î±-Tellurium Dioxide (Î±-TeO2). Crystals, 2020, 10, 939.	2.2	1
17	Indentation fracture toughness of semiconducting gallium arsenide at elevated temperatures. Engineering Failure Analysis, 2022, 137, 106417.	4.0	1