

Camelia Prodan

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

935
citations

758635

12
h-index

839053

18
g-index

23
all docs

23
docs citations

23
times ranked

951
citing authors

#	ARTICLE	IF	CITATIONS
1	Topological Phonon Modes and Their Role in Dynamic Instability of Microtubules. <i>Physical Review Letters</i> , 2009, 103, 248101.	2.9	298
2	Observation of Hofstadter butterfly and topological edge states in reconfigurable quasi-periodic acoustic crystals. <i>Communications Physics</i> , 2019, 2, .	2.0	85
3	Observation of Topological Edge Modes in a Quasiperiodic Acoustic Waveguide. <i>Physical Review Letters</i> , 2019, 122, 095501.	2.9	71
4	The Dielectric Response of Spherical Live Cells in Suspension: An Analytic Solution. <i>Biophysical Journal</i> , 2008, 95, 4174-4182.	0.2	64
5	Quantifying the membrane potential during <i>E. coli</i> growth stages. <i>Biophysical Chemistry</i> , 2010, 146, 133-137.	1.5	63
6	Experimental Demonstration of Dynamic Topological Pumping across Incommensurate Bilayered Acoustic Metamaterials. <i>Physical Review Letters</i> , 2020, 125, 224301.	2.9	57
7	Dynamical Majorana edge modes in a broad class of topological mechanical systems. <i>Nature Communications</i> , 2017, 8, 14587.	5.8	55
8	Topology of the valley-Chern effect. <i>Physical Review B</i> , 2018, 98, .	1.1	55
9	The dielectric behaviour of living cell suspensions. <i>Journal Physics D: Applied Physics</i> , 1999, 32, 335-343.	1.3	52
10	Topological edge modes by smart patterning. <i>Physical Review Materials</i> , 2018, 2, .	0.9	40
11	Advances in the manufacturing, types, and applications of biosensors. <i>Jom</i> , 2007, 59, 37-43.	0.9	29
12	Correcting the polarization effect in very low frequency dielectric spectroscopy. <i>Journal Physics D: Applied Physics</i> , 2009, 42, 175505.	1.3	25
13	Complex Dielectric Properties of Sulfate-Reducing Bacteria Suspensions. <i>Geomicrobiology Journal</i> , 2013, 30, 490-496.	1.0	12
14	Revealing the Boundary Weyl Physics of the Four-Dimensional Hall Effect via Phason Engineering in Metamaterials. <i>Physical Review Applied</i> , 2021, 16, .	1.5	10
15	Dynamics of elastic hyperbolic lattices. <i>Extreme Mechanics Letters</i> , 2021, 49, 101491.	2.0	9
16	Observation of Flat Frequency Bands at Open Edges and Antiphase Boundary Seams in Topological Mechanical Metamaterials. <i>Physical Review Letters</i> , 2020, 125, 225501.	2.9	5
17	Scalable nano-bioprobes with sub-cellular resolution for cell detection. <i>Biosensors and Bioelectronics</i> , 2013, 45, 267-273.	5.3	4
18	Topological Phonons in Microtubules: The Link between Local Structure and Dynamics of Microtubules. <i>Biophysical Journal</i> , 2019, 116, 258a.	0.2	1

#	ARTICLE	IF	CITATIONS
19	Relative Dielectric Permittivity And Resting Membrane Potential In Living Cells Suspensions: An Experimental Approach. Biophysical Journal, 2009, 96, 662a-663a.	0.2	0
20	Single-Cell Voltage Measurements with a Set of Nanoprobes. Biophysical Journal, 2014, 106, 415a.	0.2	0
21	The Determination of Young's Modulus for Microtubules Stabilized with Taxol and Analysis of Vibrational Modes. Biophysical Journal, 2015, 108, 450a.	0.2	0
22	Analyzing the Frequency of Thermally Fluctuating Segments of Microtubules. Biophysical Journal, 2015, 108, 451a.	0.2	0
23	Mapping the dispersion of water wave channels. Scientific Reports, 2018, 8, 3324.	1.6	0