

# Hossain Ahmed

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1456062/publications.pdf>

Version: 2024-02-01

14  
papers

107  
citations

1478505

6  
h-index

1720034

7  
g-index

14  
all docs

14  
docs citations

14  
times ranked

79  
citing authors

#	ARTICLE	IF	CITATIONS
1	Deaf band based engineered Dirac cone in a periodic acoustic metamaterial: A numerical and experimental study. <i>Physical Review B</i> , 2019, 99, .	3.2	23
2	Peri-Elastodynamic Simulations of Guided Ultrasonic Waves in Plate-Like Structure with Surface Mounted PZT. <i>Sensors</i> , 2018, 18, 274.	3.8	22
3	Multifunction acoustic modulation by a multi-mode acoustic metamaterial architecture. <i>Journal of Physics Communications</i> , 2018, 2, 115001.	1.2	19
4	Evidence of dissipative and growing nonlinearity in Lamb waves due to stress-relaxation and material degradation in composites. <i>Ultrasonics</i> , 2019, 96, 224-231.	3.9	14
5	Deaf band-based prediction of Dirac cone in acoustic metamaterials. <i>Journal of Applied Physics</i> , 2020, 127, .	2.5	12
6	Investigation and development of friction stir welding process for unreinforced polyphenylene sulfide and reinforced polyetheretherketone. <i>Journal of Thermoplastic Composite Materials</i> , 2019, 32, 1242-1267.	4.2	8
7	Hybrid Bessel beam and metamaterial lenses for deep laparoscopic nondestructive evaluation. <i>Journal of Applied Physics</i> , 2021, 129, .	2.5	3
8	Investigation of wave trapping and attenuation phenomenon for a high symmetry interlocking micro-structure composite metamaterial. , 2019, , .		2
9	Influence of Resonator Configuration on Band Gap Range in Acoustic Metamaterials. , 2021, , .		1
10	Study of split ring metamaterial with simultaneous wave guiding and energy harvesting capability. , 2019, , .		1
11	Utilization of Scanning Acoustic Microscope (SAM) to prove the existence of stress relaxation in woven composite. , 2019, , .		1
12	RUSH: Realtime ultrasonic scanning using submergible hydraulic robotic arms for mechanical properties testing. , 2019, , .		1
13	Dirac-like cone modulation for phononic crystals using deaf band. , 2019, , .		0
14	A Numerical Approach to Investigate the Influence of Resonator Setting and Volume Fraction on Stop Bands in an Acoustic Metamaterial. , 2020, 01, 85-93.		0