

Hossain Ahmed

List of Publications by Year in descending order

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14
papers

107
citations

1478505

6
h-index

1720034

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all docs

14
docs citations

14
times ranked

79
citing authors

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