

Arpan Gupta

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	A Mechanical Contrivance for Acoustic Levitation and Mixing of Particles. Lecture Notes in Mechanical Engineering, 2022, , 1-8.	0.4	0
2	Hydrogen-diesel co-combustion characteristics, vibro-acoustics and unregulated emissions in EGR assisted dual fuel engine. Fuel, 2022, 307, 121925.	6.4	28
3	Low-Cost Portable Smart Ventilator. Lecture Notes in Mechanical Engineering, 2022, , 599-606.	0.4	1
4	Low-Frequency Noise Control in Ducts. Lecture Notes in Mechanical Engineering, 2022, , 527-535.	0.4	0
5	Automotive Exhaust Thermoelectric Generator Unit Integrated to Exhaust Noise Muffler: Heat Recovery and Noise Attenuation Simulations. Energy, Environment, and Sustainability, 2022, , 323-340.	1.0	0
6	TEST METHOD TO DETERMINE THE ACOUSTIC PROPERTIES OF BUILDING MATERIAL BY USING MICROPHONE IMPEDANCE TUBE. Akustika, 2021, , 36-42.	0.1	0
7	Band gap analysis of a three-mass locally resonant structure. Noise and Vibration Worldwide, 2021, 52, 222-229.	1.0	0
8	Computational study of seismic wave propagation through metamaterial foundation. International Journal for Computational Methods in Engineering Science and Mechanics, 2021, 22, 200-207.	2.1	2
9	Design, Manufacturing, and Acoustical Analysis of a Helmholtz Resonator-Based Metamaterial Plate. Acoustics, 2021, 3, 630-641.	1.4	14
10	Levitating Force and Stability Analysis of Near-field Acoustic Levitation using Flexural Vibrations of the Plate. Acoustical Physics, 2021, 67, 120-127.	1.0	2
11	Multi-directional Sound Reduction by Slitted Sonic Crystal. Lecture Notes in Mechanical Engineering, 2020, , 1099-1108.	0.4	2
12	Sound attenuation in triple panel using locally resonant sonic crystal and porous material. Applied Acoustics, 2019, 156, 113-119.	3.3	23
13	Experimental and numerical comparisons between finite element method, element-free Galerkin method, and extended finite element method predicted stress intensity factor and energy release rate of cortical bone considering anisotropic bone modelling. Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine, 2019, 233, 823-838.	1.8	12
14	Experimental study of engine performance and emissions for hydrogen diesel dual fuel engine with exhaust gas recirculation. International Journal of Hydrogen Energy, 2019, 44, 12163-12175.	7.1	78
15	Maximization of Acoustic Levitating Force for a Single-Axis Acoustic Levitation System Using the Finite Element Method. Chinese Physics Letters, 2019, 36, 034302.	3.3	3
16	Combustion, vibration and noise analysis of hydrogen-diesel dual fuelled engine. Fuel, 2019, 241, 488-494.	6.4	63
17	Fracture Mechanism and Fracture Toughness at the Interface Between Cortical and Cancellous Bone. Journal of Biomechanical Engineering, 2019, 141, .	1.3	5
18	Reverberation time improvement of lecture auditorium: A case study. Noise and Vibration Worldwide, 2018, 49, 14-19.	1.0	1

#	ARTICLE	IF	CITATIONS
19	Exhaust Heat Recovery Using Thermoelectric Generators: A Review. Energy, Environment, and Sustainability, 2018, , 193-206.	1.0	10
20	Enhancing the sound transmission loss through acoustic double panel using sonic crystal and porous material. Journal of the Acoustical Society of America, 2018, 144, 1435-1442.	1.1	15
21	Finite difference solution to stochastic partial differential equations in reliability. International Journal of Industrial and Systems Engineering, 2018, 28, 166.	0.2	2
22	Increasing low frequency sound attenuation using compounded single layer of sonic crystal. AIP Conference Proceedings, 2018, , .	0.4	4
23	Finite Element Simulation of Impact on PASGT Army Helmet. Procedia Engineering, 2017, 173, 251-258.	1.2	4
24	Finite Element Simulation of Impact on Metal Plate. Procedia Engineering, 2017, 173, 259-263.	1.2	9
25	Straight line generation by a serial two-link manipulator: Design and analysis. , 2017, , .		0
26	Computer Aided Modeling and Finite Element Analysis of Human Elbow. , 2017, , 1044-1052.		1
27	Effect of geometric parameters on the acoustical performance of single inlet single outlet expansion chamber muffler. , 2016, , .		4
28	Numerical solution to stochastic partial differential equation with variable repair rate. Communications in Statistics - Theory and Methods, 2016, 45, 6245-6252.	1.0	1
29	Design of radial sonic crystal for sound attenuation from divergent sound source. Wave Motion, 2015, 55, 1-9.	2.0	14
30	Utilization of wind energy from railways using vertical axis wind turbine. , 2015, , .		6
31	Biomedical Image Processing for Human Elbow. , 2014, , .		2
32	Walking based wearable mobile phone charger and lightening system. , 2014, , .		5
33	Development of a multi-component CAD model of human elbow structure. , 2014, , .		2
34	Mechanical response of femur bone to bending load using finite element method. , 2014, , .		5
35	A review on sonic crystal, its applications and numerical analysis techniques. Acoustical Physics, 2014, 60, 223-234.	1.0	36
36	Sound propagation in two-dimensional waveguide with circular wavefront. Acoustical Physics, 2013, 59, 493-497.	1.0	5

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37	Parametric Study on Rectangular Sonic Crystal. Applied Mechanics and Materials, 2012, 152-154, 281-286.	0.2	6
38	A quasi two-dimensional model for sound attenuation by the sonic crystals. Journal of the Acoustical Society of America, 2012, 132, 2909-2914.	1.1	12
39	Experimental study on the insertion loss of multilayer panels featuring a periodic structure. Building Acoustics, 0, , 1351010X2110015.	1.9	2