

Suryappa Jayappa Pawar

List of Publications by Year in descending order

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Version: 2024-02-01

35
papers

460
citations

933447

10
h-index

752698

20
g-index

36
all docs

36
docs citations

36
times ranked

385
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural, magnetic, and antimicrobial properties of zinc doped magnesium ferrite for drug delivery applications. <i>Ceramics International</i> , 2020, 46, 4058-4064.	4.8	83
2	A review on the taxonomy, factors associated with sound absorption and theoretical modeling of porous sound absorbing materials. <i>Journal of Porous Materials</i> , 2019, 26, 1795-1819.	2.6	74
3	Laminated plate theories and fracture of laminated glass plate – A review. <i>Engineering Fracture Mechanics</i> , 2017, 186, 316-330.	4.3	51
4	Structural, optical, cytotoxicity, and antimicrobial properties of MgO, ZnO and MgO/ZnO nanocomposite for biomedical applications. <i>Ceramics International</i> , 2021, 47, 19515-19525.	4.8	32
5	Experimental and simulation studies on fracture and adhesion test of laminated glass. <i>Engineering Fracture Mechanics</i> , 2018, 190, 461-470.	4.3	27
6	Effect of wood dust type on mechanical properties, wear behavior, biodegradability, and resistance to natural weathering of wood-plastic composites. <i>Frontiers of Structural and Civil Engineering</i> , 2019, 13, 1446-1462.	2.9	23
7	Utilization of a reinforcement learning algorithm for the accurate alignment of a robotic arm in a complete soft fabric shoe tongues automation process. <i>Journal of Manufacturing Systems</i> , 2020, 56, 501-513.	13.9	17
8	Experimental and simulation studies on fracture of laminated glass having polyvinyl butyral and ethyl vinyl acetate interlayers of different critical thicknesses due to impact load. <i>Glass Technology: European Journal of Glass Science and Technology Part A</i> , 2017, 58, 169-178.	0.2	16
9	Experimental and simulation studies on fatigue behavior of laminated glass having polyvinyl butyral and ethyl vinyl acetate interlayers. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2018, 41, 1437-1446.	3.4	15
10	Optimizing material properties of composite plates for sound transmission problem. <i>Journal of Sound and Vibration</i> , 2015, 335, 174-186.	3.9	11
11	Structural, optical, cytotoxic, and anti-microbial properties of amorphous silica nanoparticles synthesised via hybrid method for biomedical applications. <i>Materials Technology</i> , 0, , 1-12.	3.0	11
12	Experimental and simulation studies on flexural strength of laminated glass using ring-on-ring and three-point bending test. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2018, 232, 3930-3941.	2.1	11
13	DEVELOPMENT AND CHARACTERIZATION OF SISAL FIBER AND WOOD DUST REINFORCED POLYMERIC COMPOSITES. <i>Journal of Natural Fibers</i> , 2021, 18, 1924-1933.	3.1	10
14	Insert earphone modeling and measurement by IEC-60711 coupler. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2011, 58, 461-469.	3.0	8
15	Effect of nonlinear stiffness on the total harmonic distortion and sound pressure level of a circular miniature loudspeaker-experiments and simulations. <i>IEEE Transactions on Consumer Electronics</i> , 2012, 58, 212-220.	3.6	8
16	Earbud-type earphone modeling and measurement by head and torso simulator. <i>Applied Acoustics</i> , 2012, 73, 461-469.	3.3	8
17	Synthesis and characterization of ZnO nanoparticles to optimize drug loading and release profile for drug delivery applications. <i>Materials Today: Proceedings</i> , 2020, 26, 2625-2628.	1.8	8
18	An overview on biomedical applications of versatile silica nanoparticles, synthesized via several chemical and biological routes: A review. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2022, 197, 72-88.	1.6	8

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19	A nonlinear diffusion model incorporating edge and surface texture effects to predict absorption behaviour of composites. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2005, 412, 78-82.	5.6	7
20	Structural, morphological, antimicrobial, and cytotoxicity study of spindle-shaped ZnO submicron particles for potential biomedical applications. <i>Materials Today Communications</i> , 2021, 28, 102683.	1.9	6
21	Zinc doped Magnesium ferrite nanoparticles for evaluation of biological properties viz antimicrobial, biocompatibility, and in vitro cytotoxicity. <i>Materials Today Communications</i> , 2022, , 103632.	1.9	6
22	Structural, optical, antimicrobial properties with drug loading and drug release of five different ZnO nano and sub-micron particles for biomedical applications. <i>Materials Technology</i> , 2022, 37, 1716-1724.	3.0	5
23	Total harmonic distortion improvement for elliptical miniature loudspeaker based on suspension stiffness nonlinearity. <i>IEEE Transactions on Consumer Electronics</i> , 2012, 58, 221-227.	3.6	2
24	Magnetic Motor Nonlinearity Modifications for Total Harmonic Distortion Improvement of an Elliptical Miniature Loudspeaker. <i>IEEE Transactions on Magnetics</i> , 2012, 48, 4811-4814.	2.1	2
25	Parameter Optimization Method for Identifying the Optimal Nonlinear Parameters of a Miniature Transducer with a Metal Membrane. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 2647.	2.5	2
26	Experimental and simulation studies on bending behavior of laminated glass with polyvinyl butyral and ethyl vinyl acetate inter-layers of different critical thicknesses. <i>Journal of Sandwich Structures and Materials</i> , 2019, 21, 2219-2238.	3.5	2
27	Ring-on-ring testing of laminated glass with polyvinyl butyral and ethyl vinyl acetate inter-layers of different critical thicknesses. <i>Journal of the Australian Ceramic Society</i> , 2019, 55, 977-986.	1.9	2
28	Wavelet-Based Noise Removal from Raman Signal to Study PLD Coated Forsteriteâ€“Hydroxyapatite Thin Film on Stainless Steel 316L Substrate. <i>Journal of Applied Spectroscopy</i> , 2020, 87, 545-552.	0.7	2
29	Physio-chemical characterizations and antimicrobial properties of nano-sized Mg-Zn ferrite particles for biomedical applications. <i>Materials Technology</i> , 2022, 37, 2490-2502.	3.0	2
30	Structural Modifications of Headphone Front Chamber for Better Frequency Response: Experimental and Simulation Studies. <i>Acoustics Australia</i> , 2021, 49, 69-82.	2.4	1
31	Experimental Verifications and Simulations of Magnetic Motor of Circular Miniature Loudspeaker for Total Harmonic Distortion Improvement. <i>Applied Mechanics and Materials</i> , 2011, 87, 136-139.	0.2	0
32	Preventing damage to miniature-loudspeaker by means of dynamic detection of excessive diaphragm displacement. <i>Journal of the Acoustical Society of America</i> , 2017, 141, 1615-1626.	1.1	0
33	Electrostatic Polarization Process Control: A Case Study on Electret Condenser Microphone Production Line. <i>AES: Journal of the Audio Engineering Society</i> , 2017, 65, 321-332.	1.0	0
34	Simulation Studies on the Transition from Simple Expansion Chamber Muffler to Tapered Expansion Chamber Muffler. <i>Lecture Notes in Mechanical Engineering</i> , 2021, , 389-398.	0.4	0
35	PREPARATION AND BIOLOGICAL EVALUATION OF PLD-BASED FORSTERITEâ€“HYDROXYAPATITE NANOCOMPOSITE COATING ON STAINLESS STEEL 316L. <i>Surface Review and Letters</i> , 0, , 2141002.	1.1	0