Suryappa Jayappa Pawar

List of Publications by Year
in descending order

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35	460	933447	752698
papers	citations	10	20
		h-index	g-index

36	36	36	385
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Structural, optical, antimicrobial properties with drug loading and drug release of five different ZnO nano and sub-micron particles for biomedical applications. Materials Technology, 2022, 37, 1716-1724.	3.0	5
2	An overview on biomedical applications of versatile silica nanoparticles, synthesized via several chemical and biological routes: A review. Phosphorus, Sulfur and Silicon and the Related Elements, 2022, 197, 72-88.	1.6	8
3	Physio-chemical characterizations and antimicrobial properties of nano-sized Mg-Zn ferrite particles for biomedical applications. Materials Technology, 2022, 37, 2490-2502.	3.0	2
4	Zinc doped Magnesium ferrite nanoparticles for evaluation of biological properties viz antimicrobial, biocompatibility, and in vitro cytotoxicity. Materials Today Communications, 2022, , 103632.	1.9	6
5	DEVELOPMENT AND CHARACTERIZATION OF SISAL FIBER AND WOOD DUST REINFORCED POLYMERIC COMPOSITES. Journal of Natural Fibers, 2021, 18, 1924-1933.	3.1	10
6	Simulation Studies on the Transition from Simple Expansion Chamber Muffler to Tapered Expansion Chamber Muffler. Lecture Notes in Mechanical Engineering, 2021, , 389-398.	0.4	0
7	Structural, optical, cytotoxicity, and antimicrobial properties of MgO, ZnO and MgO/ZnO nanocomposite for biomedical applications. Ceramics International, 2021, 47, 19515-19525.	4.8	32
8	Structural, morphological, antimicrobial, and cytotoxicity study of spindle-shaped ZnO submicron particles for potential biomedical applications. Materials Today Communications, 2021, 28, 102683.	1.9	6
9	Structural Modifications of Headphone Front Chamber for Better Frequency Response: Experimental and Simulation Studies. Acoustics Australia, 2021, 49, 69-82.	2.4	1
10	Structural, magnetic, and antimicrobial properties of zinc doped magnesium ferrite for drug delivery applications. Ceramics International, 2020, 46, 4058-4064.	4.8	83
11	Wavelet-Based Noise Removal from Raman Signal to Study PLD Coated Forsteriteâ€“Hydroxyapatite Thin Film on Stainless Steel 316l Substrate. Journal of Applied Spectroscopy, 2020, 87, 545-552.	0.7	2
12	Utilization of a reinforcement learning algorithm for the accurate alignment of a robotic arm in a complete soft fabric shoe tongues automation process. Journal of Manufacturing Systems, 2020, 56, 501-513.	13.9	17
13	Synthesis and characterization of ZnO nanoparticles to optimize drug loading and release profile for drug delivery applications. Materials Today: Proceedings, 2020, 26, 2625-2628.	1.8	8
14	Effect of wood dust type on mechanical properties, wear behavior, biodegradability, and resistance to natural weathering of wood-plastic composites. Frontiers of Structural and Civil Engineering, 2019, 13, 1446-1462.	2.9	23
15	A review on the taxonomy, factors associated with sound absorption and theoretical modeling of porous sound absorbing materials. Journal of Porous Materials, 2019, 26, 1795-1819.	2.6	74
16	Experimental and simulation studies on bending behavior of laminated glass with polyvinyl butyral and ethyl vinyl acetate inter-layers of different critical thicknesses. Journal of Sandwich Structures and Materials, 2019, 21, 2219-2238.	3.5	2
17	Ring-on-ring testing of laminated glass with polyvinyl butyral and ethyl vinyl acetate inter-layers of different critical thicknesses. Journal of the Australian Ceramic Society, 2019, 55, 977-986.	1.9	2
18	Experimental and simulation studies on fatigue behavior of laminated glass having polyvinyl butyral and ethyl vinyl acetate interlayers. Fatigue and Fracture of Engineering Materials and Structures, 2018, 41, 1437-1446.	3.4	15

#	Article	IF	Citations
19	Experimental and simulation studies on fracture and adhesion test of laminated glass. Engineering Fracture Mechanics, 2018, 190, 461-470.	4.3	27
20	Parameter Optimization Method for Identifying the Optimal Nonlinear Parameters of a Miniature Transducer with a Metal Membrane. Applied Sciences (Switzerland), 2018, 8, 2647.	2.5	2
21	Experimental and simulation studies on flexural strength of laminated glass using ring-on-ring and three-point bending test. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2018, 232, 3930-3941.	2.1	11
22	Preventing damage to miniature-loudspeaker by means of dynamic detection of excessive diaphragm displacement. Journal of the Acoustical Society of America, 2017, 141, 1615-1626.	1.1	0
23	Laminated plate theories and fracture of laminated glass plate â€“ A review. Engineering Fracture Mechanics, 2017, 186, 316-330.	4.3	51
24	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. Glass Technology: European Journal of Glass Science and Technology Part A, 2017, 58, 169-178.	0.2	16
25	Electrostatic Polarization Process Control: A Case Study on Electret Condenser Microphone Production Line. AES: Journal of the Audio Engineering Society, 2017, 65, 321-332.	1.0	0
26	Optimizing material properties of composite plates for sound transmission problem. Journal of Sound and Vibration, 2015, 335, 174-186.	3.9	11
27	Effect of nonlinear stiffness on the total harmonic distortion and sound pressure level of a circular miniature loudspeaker-experiments and simulations. IEEE Transactions on Consumer Electronics, 2012, 58, 212-220.	3.6	8
28	Total harmonic distortion improvement for elliptical miniature loudspeaker based on suspension stiffness nonlinearity. IEEE Transactions on Consumer Electronics, 2012, 58, 221-227.	3.6	2
29	Magnetic Motor Nonlinearity Modifications for Total Harmonic Distortion Improvement of an Elliptical Miniature Loudspeaker. IEEE Transactions on Magnetics, 2012, 48, 4811-4814.	2.1	2
30	Earbud-type earphone modeling and measurement by head and torso simulator. Applied Acoustics, 2012, 73, 461-469.	3.3	8
31	Insert earphone modeling and measurement by IEC-60711 coupler. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2011, 58, 461-469.	3.0	8
32	Experimental Verifications and Simulations of Magnetic Motor of Circular Miniature Loudspeaker for Total Harmonic Distortion Improvement. Applied Mechanics and Materials, 2011, 87, 136-139.	0.2	0
33	A nonlinear diffusion model incorporating edge and surface texture effects to predict absorption behaviour of composites. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2005, 412, 78-82.	5.6	7
34	PREPARATION AND BIOLOGICAL EVALUATION OF PLD-BASED FORSTERITEâ€“HYDROXYAPATITE NANOCOMPOSITE COATING ON STAINLESS STEEL 316L. Surface Review and Letters, 0, , 2141002.	1.1	0
35	Structural, optical, cytotoxic, and anti-microbial properties of amorphous silica nanoparticles synthesised via hybrid method for biomedical applications. Materials Technology, 0, , 1-12.	3.0	11