Sovan Sundar Dasgupta

List of Publications by Year
in descending order

17	194	1307594	1125743
papers	citations	7	13
		h-index	g-index

19	19	19	99
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Sommerfeld effect in rotationally symmetric planar dynamical systems. International Journal of Engineering Science, 2010, 48, 21-36.	5.0	81
2	Stability of an internally damped non-ideal flexible spinning shaft. International Journal of Non-Linear Mechanics, 2010, 45, 286-293.	2.6	27
3	Attenuation of Sommerfeld effect in an internally damped eccentric shaft-disk system via active magnetic bearings. Meccanica, 2019, 54, 311-320.	2.0	19
4	Suppression of Sommerfeld effect in a non-ideal discrete rotor system with fractional order external damping. European Journal of Mechanics, A/Solids, 2020, 79, 103873.	3.7	12
5	Steady-state and transient responses of a flexible eccentric spinning shaft. FME Transactions, 2018, 46, 133-137.	1.4	11
6	Dynamic characterization of a flexible internally damped spinning shaft with constant eccentricity. Archive of Applied Mechanics, 2017, 87, 1769-1779.	2.2	10
7	Fractional order PID based optimal control for fractionally damped nonlocal nanobeam via genetic algorithm. Microsystem Technologies, 2019, 25, 4291-4302.	2.0	9
8	Dynamic Characterization of a Bistable Energy Harvester Under Gaussian White Noise for Larger Time Constant. Arabian Journal for Science and Engineering, 2019, 44, 721-730.	3.0	7
9	Mathematical modeling of a fractionally damped nonlinear nanobeam via nonlocal continuum approach. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2019, 233, 7101-7115.	2.1	4
10	A numerical study on vibration control of a nonlinear Jeffcott rotor via Bouc-Wen model. FME Transactions, 2019, 47, 190-194.	1.4	4
11	Steady-State and Bifurcation Analysis of Nonlinear Jumps in a Non-ideal Rotor System Using Magnetorheological Fluid Dampers. Journal of Vibration Engineering and Technologies, 2022, 10, 2543-2555.	2.2	4
12	Instability attenuation and bifurcation studies of a non-ideal rotor involving time-delayed feedback. Nonlinear Dynamics, 2022, 108, 3105-3121.	5.2	2
13	Modelling and Simulation of Nonlinear Jump Phenomena of a Non-ideal Rotor Involving Fractional Order PD Controller. Journal of Physics: Conference Series, 2021, 2115, 012029.	0.4	1
14	Dynamics of a Non-Ideal Gyroscopic Rotor System with Translational-Rotational Coupling Effect of External and Internal Damping. Mechanics of Solids, 2022, 57, 604-616.	0.7	1
15	Investigation of chaos and its control in a Duffing-type nano beam model. AIP Conference Proceedings, 2018, , .	0.4	0
16	Optimal PID control of a nonlinear composite beam with harmonic excitation. AIP Conference Proceedings, 2019, , .	0.4	0
17	Numerical Study of Modified Mathieu Equation with Time-Delayed Fractional-Order PIλDμ Controller using a Recursive Filter. Materials Today: Proceedings, 2020, 22, 2482-2489.	1.8	0