

B Shayak

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

135
citations

1683354

5
h-index

1588620

8
g-index

30
all docs

30
docs citations

30
times ranked

111
citing authors

#	ARTICLE	IF	CITATIONS
1	Impact of reproduction number on the multiwave spreading dynamics of COVID-19 with temporary immunity: A mathematical model. <i>International Journal of Infectious Diseases</i> , 2021, 104, 649-654.	1.5	20
2	Krylov Bogoliubov Type Analysis of Variants of the Mathieu Equation. <i>Journal of Applied Nonlinear Dynamics</i> , 2017, 1, 57-77.	0.1	10
3	Synchronization characteristics of an array of coupled MEMS limit cycle oscillators. <i>International Journal of Non-Linear Mechanics</i> , 2021, 128, 103634.	1.4	9
4	Analysis of a remarkable singularity in a nonlinear DDE. <i>Nonlinear Dynamics</i> , 2017, 90, 317-323.	2.7	8
5	A mechanism for electromagnetic trapping of extended objects. <i>Europhysics Letters</i> , 2017, 118, 45002.	0.7	5
6	Simplified model and analysis of a pair of coupled thermo-optical MEMS oscillators. <i>Nonlinear Dynamics</i> , 2020, 99, 73-83.	2.7	5
7	A new approach to the dynamic modeling of an infectious disease. <i>Mathematical Modelling of Natural Phenomena</i> , 2021, 16, 33.	0.9	5
8	Why trains stay on tracks. <i>American Journal of Physics</i> , 2017, 85, 178-184.	0.3	2
9	Levitation of a rapidly oscillating magnetic dipole above a metallic sheet. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2019, 383, 1381-1384.	0.9	2
10	Unbounded sequences of stable limit cycles in the delayed Duffing equation: an exact analysis. <i>Nonlinear Dynamics</i> , 2021, 103, 503-515.	2.7	2
11	Dynamics of a System of Two Coupled MEMS Oscillators. <i>IUTAM Symposium on Cellular, Molecular and Tissue Mechanics</i> , 2020, , 225-233.	0.1	1
12	A new self-propelled magnetic bearing with helical windings. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2016, 472, 20160579.	1.0	0
13	Limit cycle oscillations of a violin string. <i>Chaos</i> , 2018, 28, 083116.	1.0	0
14	The induction motor: neglected workhorse of classical electromagnetism. <i>European Journal of Physics</i> , 2019, 40, 065204.	0.3	0
15	Helicopter blade droop as an application of simple beam theory. <i>European Journal of Physics</i> , 2019, 40, 025001.	0.3	0
16	Delay dynamics of a levitating motor with two-limit control strategy. <i>International Journal of Non-Linear Mechanics</i> , 2021, 129, 103645.	1.4	0
17	A cluster-based model of COVID-19 transmission dynamics. <i>Chaos</i> , 2021, 31, 113106.	1.0	0