

Debajyoti Saha

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10928765/publications.pdf>

Version: 2024-02-01

16
papers

112
citations

1478505

6
h-index

1281871

11
g-index

16
all docs

16
docs citations

16
times ranked

97
citing authors

#	ARTICLE	IF	CITATIONS
1	Order to chaos transition studies in a DC glow discharge plasma by using recurrence quantification analysis. <i>Chaos, Solitons and Fractals</i> , 2014, 69, 285-293.	5.1	24
2	Investigation of coherent modes in the chaotic time series using empirical mode decomposition and discrete wavelet transform analysis. <i>Chaos, Solitons and Fractals</i> , 2015, 78, 285-296.	5.1	18
3	Investigation of complexity dynamics of inverse and normal homoclinic bifurcation in a glow discharge plasma. <i>Physics of Plasmas</i> , 2014, 21, .	1.9	13
4	Experimental evidence of intermittent chaos in a glow discharge plasma without external forcing and its numerical modelling. <i>Physics of Plasmas</i> , 2014, 21, 032303.	1.9	11
5	Intrinsic noise induced coherence resonance in a glow discharge plasma. <i>Chaos</i> , 2015, 25, 043101.	2.5	11
6	Investigation of multifractal nature of floating potential fluctuations obtained from a dc glow discharge magnetized plasma. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2017, 469, 363-371.	2.6	6
7	A localized cathode glow in the presence of a bar magnet and its associated nonlinear dynamics. <i>Physics of Plasmas</i> , 2017, 24, .	1.9	6
8	Quantification of scaling exponent with Crossover type phenomena for different types of forcing in DC glow discharge plasma. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018, 490, 300-310.	2.6	6
9	Investigation and quantification of nonlinearity using surrogate data in a glow discharge plasma. <i>Physics of Plasmas</i> , 2015, 22, 022307.	1.9	4
10	Evidence of nonlinearity in presence of external forcing and magnetic field in a glow discharge plasma. <i>Chaos, Solitons and Fractals</i> , 2017, 98, 46-55.	5.1	4
11	NaLiK, an self-developed device for rapid, reliable and simultaneous assessment of sodium, lithium and potassium for management of fluid balance and bipolar disorder in human subjects. <i>Journal of Analytical Atomic Spectrometry</i> , 2019, 34, 1875-1881.	3.0	3
12	Investigation of coherent modes and their role in intermittent oscillations using empirical mode decomposition. <i>Physics of Plasmas</i> , 2016, 23, .	1.9	2
13	Reformation of hydrocarbons using non-thermal plasma at atmospheric pressure: discharge characteristics and associated nonlinear dynamics. <i>Physica Scripta</i> , 2014, T161, 014064.	2.5	1
14	Hysteresis of fluctuation dynamics associated with a fireball in a magnetized glow discharge plasma in a currentless toroidal assembly. <i>Physics of Plasmas</i> , 2016, 23, 093511.	1.9	1
15	Investigation and quantification of Phase coherence index for different types of forcing in DC glow discharge plasma. <i>Chaos, Solitons and Fractals</i> , 2017, 104, 173-181.	5.1	1
16	Interplay of transitions between oscillations with emergence of fireballs and quantification of phase coherence, scaling index in a magnetized glow discharge plasma in a toroidal assembly. <i>Chaos, Solitons and Fractals</i> , 2018, 106, 295-303.	5.1	1