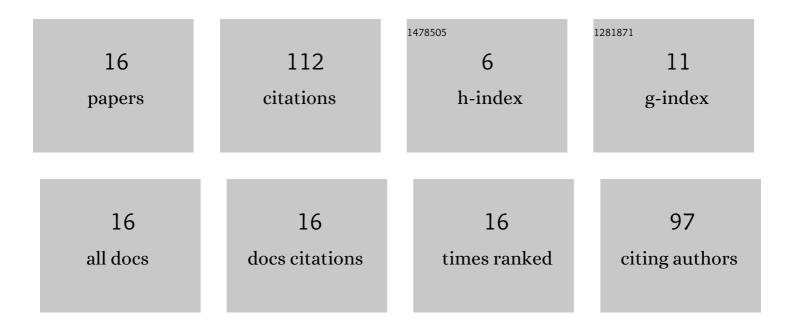
Debajyoti Saha

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Order to chaos transition studies in a DC glow discharge plasma by using recurrence quantification analysis. Chaos, Solitons and Fractals, 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. Chaos, Solitons and Fractals, 2015, 78, 285-296.	5.1	18
3	Investigation of complexity dynamics of inverse and normal homoclinic bifurcation in a glow discharge plasma. Physics of Plasmas, 2014, 21, .	1.9	13
4	Experimental evidence of intermittent chaos in a glow discharge plasma without external forcing and its numerical modelling. Physics of Plasmas, 2014, 21, 032303.	1.9	11
5	Intrinsic noise induced coherence resonance in a glow discharge plasma. Chaos, 2015, 25, 043101.	2.5	11
6	Investigation of multifractal nature of floating potential fluctuations obtained from a dc glow discharge magnetized plasma. Physica A: Statistical Mechanics and Its Applications, 2017, 469, 363-371.	2.6	6
7	A localized cathode glow in the presence of a bar magnet and its associated nonlinear dynamics. Physics of Plasmas, 2017, 24, .	1.9	6
8	Quantification of scaling exponent with Crossover type phenomena for different types of forcing in DC glow discharge plasma. Physica A: Statistical Mechanics and Its Applications, 2018, 490, 300-310.	2.6	6
9	Investigation and quantification of nonlinearity using surrogate data in a glow discharge plasma. Physics of Plasmas, 2015, 22, 022307.	1.9	4
10	Evidence of nonlinearity in presence of external forcing and magnetic field in a glow discharge plasma. Chaos, Solitons and Fractals, 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. Journal of Analytical Atomic Spectrometry, 2019, 34, 1875-1881.	3.0	3
12	Investigation of coherent modes and their role in intermittent oscillations using empirical mode decomposition. Physics of Plasmas, 2016, 23, .	1.9	2
13	Reformation of hydrocarbons using non-thermal plasma at atmospheric pressure: discharge characteristics and associated nonlinear dynamics. Physica Scripta, 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. Physics of Plasmas, 2016, 23, 093511.	1.9	1
15	Investigation and quantification of Phase coherence index for different types of forcing in DC glow discharge plasma. Chaos, Solitons and Fractals, 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. Chaos, Solitons and Fractals, 2018, 106, 295-303.	5.1	1