Jacques Atangana

List of Publications by Year
in descending order

16	180	1040056 9	1058476 14
papers	citations	h-index	g-index

16	16	16	66
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Bifurcations analysis and experimental study of the dynamics of a thermosensitive neuron conducted simultaneously by photocurrent and thermistance. European Physical Journal: Special Topics, 2022, 231, 993-1004.	2.6	18
2	Multi-Raman soliton self-frequency shifts and dissipative rogue wave trains induced by cubic-quintic-Raman contributions in a double-negative material. Physica B: Condensed Matter, 2022, 632, 413731.	2.7	3
3	Phase synchronization between two thermo-photoelectric neurons coupled through a Josephson Junction. European Physical Journal B, 2022, 95, 1.	1.5	16
4	Phase synchronization, extreme multistability and its control with selection of a desired pattern in hybrid coupled neurons via a memristive synapse. Nonlinear Dynamics, 2022, 109, 925-942.	5.2	20
5	Coexistence of Attractors and Its Control with Selection of a Desired Attractor in a Model of Extended Hindmarshâ€“Rose Neuron with Nonlinear Smooth Fitting Function: Microcontroller Implementation. Journal of Vibration Engineering and Technologies, 2022, 10, 2751-2764.	2.2	1
6	M-shaped and other exotic solitons generated by cubic-quintic saturable nonlinearities in a nonlinear electrical transmission network with higher-order dispersion effects. Chaos, Solitons and Fractals, 2022, 161, 112320.	5.1	4
7	Multi-wave trains and Sasa - Satsuma freak events generation in an optical metamaterial. Chinese Journal of Physics, 2021, 69, 50-69.	3.9	6
8	Dynamical Evolution of Sasaâ€“Satsuma Rogue Waves, Breather Solutions, and New Special Wave Phenomena in a Nonlinear Metamaterial. Physica Status Solidi (B): Basic Research, 2021, 258, 2000316.	1.5	7
9	Tree-like structures and Freak waves generation induced by quintic-nonlinearity and cubic-Raman effect in a nonlinear metamaterial. Optical and Quantum Electronics, 2020, 52, 1.	3.3	9
10	Nonlinear surface waves at ferrite-metamaterial waveguide structure. Journal of Modern Optics, 2016, 63, 1552-1557.	1.3	5
11	Akhmedievâ€“Peregrine rogue waves generation in a composite right/left-handed transmission line. Optical and Quantum Electronics, 2016, 48, 1.	3.3	15
12	Kuznetsovâ€“Ma waves train generation in a left-handed material. Journal of Modern Optics, 2015, 62, 392-402.	1.3	14
13	Efficient method of calculation of Raman soliton self-frequency shift in nonlinear optical media. Optics Communications, 2015, 339, 194-208.	2.1	13
14	Influence of the refractive index cladding on guided modes in a negative-index slab waveguide. , 2014, , .		2
15	Rogue wave train generation in a metamaterial induced by cubic-quintic nonlinearities and second-order dispersion. Physical Review E, 2014, 90, 032911.	2.1	25
16	Optical rogue waves generation in a nonlinear metamaterial. Optics Communications, 2014, 331, 334-347.	2.1	22