

# Yiannis Contoyiannis

## List of Publications by Year in descending order

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Version: 2024-02-01

23  
papers

352  
citations

759233

12  
h-index

794594

19  
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23  
all docs

23  
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times ranked

212  
citing authors

#	ARTICLE	IF	CITATIONS
1	Unfolding the procedure of characterizing recorded ultra low frequency, kHz and MHz electromagnetic anomalies prior to the L'Aquila earthquake as pre-seismic ones - Part 2. Natural Hazards and Earth System Sciences, 2010, 10, 275-294.	3.6	42
2	Evidence of fractional-Brownian-motion-type asperity model for earthquake generation in candidate pre-seismic electromagnetic emissions. Natural Hazards and Earth System Sciences, 2008, 8, 657-669.	3.6	35
3	Tricritical crossover in earthquake preparation by analyzing preseismic electromagnetic emissions. Journal of Geodynamics, 2015, 84, 40-54.	1.6	31
4	Recent seismic activity at Cephalonia (Greece): a study through candidate electromagnetic precursors in terms of non-linear dynamics. Nonlinear Processes in Geophysics, 2016, 23, 223-240.	1.3	29
5	Recent Field Observations Indicating an Earth System in Critical Condition Before the Occurrence of a Significant Earthquake. IEEE Geoscience and Remote Sensing Letters, 2015, 12, 631-635.	3.1	28
6	Intermittent criticality revealed in ULF magnetic fields prior to the 11 March 2011 Tohoku earthquake ( $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si21.gif" display="inline"/> \text{Tj ETQq0 0 0 ggBT /Overlock 10 Tf} \rangle$ ). Physica A: Statistical Mechanics and Its Applications, 2016, 452, 19-28.	2.6	25
7	On Possible Electromagnetic Precursors to a Significant Earthquake ( $M_w = 6.3$ ) Occurred in Lesvos (Greece) on 12 June 2017. Entropy, 2019, 21, 241.	2.2	19
8	Observation of Intermittency-Induced Critical Dynamics in Geomagnetic Field Time Series Prior to the Intense Magnetic Storms of March, June, and December 2015. Journal of Geophysical Research: Space Physics, 2018, 123, 4594-4613.	2.4	18
9	Evidence of critical dynamics in various electromagnetic precursors. European Physical Journal: Special Topics, 2021, 230, 151-177.	2.6	18
10	Signatures of the symmetry breaking phenomenon in pre-seismic electromagnetic emissions. Journal of Statistical Mechanics: Theory and Experiment, 2018, 2018, 083208.	2.3	16
11	Intermittency-induced criticality in the lower ionosphere prior to the 2016 Kumamoto earthquakes as embedded in the VLF propagation data observed at multiple stations. Tectonophysics, 2018, 722, 422-431.	2.2	13
12	LÃ©vy and Gauss statistics in the preparation of an earthquake. Physica A: Statistical Mechanics and Its Applications, 2019, 528, 121360.	2.6	13
13	Intermittency-induced criticality in a resistor-inductor-diode circuit. Physical Review E, 2017, 95, 042206.	2.1	12
14	A Universal Physics-Based Model Describing COVID-19 Dynamics in Europe. International Journal of Environmental Research and Public Health, 2020, 17, 6525.	2.6	11
15	Intermittency-induced criticality in the random telegraph noise of nanoscale UTBB FD-SOI MOSFETs. Microelectronic Engineering, 2019, 216, 111027.	2.4	9
16	Analysis of the ultra-low frequency magnetic field fluctuations prior to the 2016 Kumamoto (Japan) earthquakes in terms of the method of critical fluctuations. Physica A: Statistical Mechanics and Its Applications, 2019, 514, 563-572.	2.6	8
17	Criticality in epidemic spread: An application in the case of COVID19 infected population. Chaos, 2021, 31, 043109.	2.5	7
18	Spontaneous symmetry breaking in the phase space. Physica Scripta, 2021, 96, 075204.	2.5	5

#	ARTICLE	IF	CITATIONS
19	Tachyons and Solitons in Spontaneous Symmetry Breaking in the Frame of Field Theory. <i>Symmetry</i> , 2021, 13, 1358.	2.2	5
20	Post-spontaneous-symmetry-breaking power-laws after a very strong earthquake: Indication for the preparation of a new strong earthquake or not?. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2022, 589, 126607.	2.6	3
21	On the chaotic nature of random telegraph noise in unipolar RRAM memristor devices. <i>Chaos, Solitons and Fractals</i> , 2022, 160, 112224.	5.1	3
22	Application of the method of parallel trajectories on modeling the dynamics of COVID-19 third wave. <i>Chaos</i> , 2022, 32, 011103.	2.5	2
23	Engendering self-similarity in Boson field by a natural feedback process. <i>Physica Scripta</i> , 2021, 96, 125211.	2.5	0