Horvatic Davor

List of Publications by Year in descending order

42 papers	2,364 citations	394421 19 h-index	289244 40 g-index
43 all docs	43 docs citations	43 times ranked	1164 citing authors

#	ARTICLE	IF	CITATIONS
1	Cross-correlations between volume change and price change. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 22079-22084.	7.1	590
2	Quantifying cross-correlations using local and global detrending approaches. European Physical Journal B, 2009, 71, 243-250.	1.5	380
3	Detrended cross-correlation analysis for non-stationary time series with periodic trends. Europhysics Letters, 2011, 94, 18007.	2.0	290
4	Time-lag cross-correlations in collective phenomena. Europhysics Letters, 2010, 90, 68001.	2.0	188
5	Modeling long-range cross-correlations in two-component ARFIMA and FIARCH processes. Physica A: Statistical Mechanics and Its Applications, 2008, 387, 3954-3959.	2.6	130
6	Quantifying and modeling long-range cross correlations in multiple time series with applications to world stock indices. Physical Review E, 2011, 83, 046121.	2.1	109
7	Fractionally integrated process with power-law correlations in variables and magnitudes. Physical Review E, 2005, 72, 026121.	2.1	74
8	Bankruptcy risk model and empirical tests. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 18325-18330.	7.1	71
9	Asymmetric Levy flight in financial ratios. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 17883-17888.	7.1	66
10	The cost of attack in competing networks. Journal of the Royal Society Interface, 2015, 12, 20150770.	3.4	39
11	Size-dependent standard deviation for growth rates: Empirical results and theoretical modeling. Physical Review E, 2008, 77, 056102.	2.1	38
12	Comparison between response dynamics in transition economies and developed economies. Physical Review E, 2010, 82, 046104.	2.1	32
13	Width of the QCD transition in a Polyakov-loop Dyson-Schwinger equation model. Physical Review D, 2011, 84, .	4.7	31
14	The competitiveness versus the wealth of a country. Scientific Reports, 2012, 2, 678.	3.3	26
15	η and η' mesons in the Dyson-Schwinger approach at finite temperature. Physical Review D, 2007, 76, .	4.7	23
16	Relative sea-level change and climate change in the Northeastern Adriatic during the last 1.5 ka (Istria,) Tj ETQq0 0 0 rgBT /Overlock 10 T	3.0	23
17	η' multiplicity and the Witten-Veneziano relation at finite temperature. Physical Review D, 2011, 84, .	4.7	22
18	Preferential attachment in the interaction between dynamically generated interdependent networks. Europhysics Letters, 2012, 100, 50004.	2.0	20

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19	Medium induced Lorentz symmetry breaking effects in nonlocal Polyakov–Nambu–Jona-Lasinio models. Physical Review D, 2014, 89, .	4.7	20
20	Quantitative relations between risk, return and firm size. Europhysics Letters, 2009, 85, 50003.	2.0	19
21	Vibrations of acrylonitrile in N<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mn>1</mml:mn><mml:mi>s</mml:mi></mml:mrow></mml:math>excited states. Physical Review A, 2008, 77, .	2.5	17
22	Predicting the Lifetime of Dynamic Networks Experiencing Persistent Random Attacks. Scientific Reports, 2015, 5, 14286.	3.3	17
23	η′ and η mesons at high T when the UA(1) and chiral symmetry breaking are tied. Physical Review D, 2019, 99, .	4.7	16
24	Pseudoscalar meson nonet at zero and finite temperature. Physics of Particles and Nuclei, 2008, 39, 1033-1039.	0.7	14
25	Common scaling behavior in finance and macroeconomics. European Physical Journal B, 2010, 76, 487-490.	1.5	12
26	Scale-invariant properties of public-debt growth. Europhysics Letters, 2010, 90, 38006.	2.0	12
27	Systemic risk in dynamical networks with stochastic failure criterion. Europhysics Letters, 2014, 106, 68003.	2.0	12
28	Lithophyllum rims as biological markers for constraining palaeoseismic events and relative sea-level variations during the last 3.3 ka on Lopud Island, southern Adriatic, Croatia. Global and Planetary Change, 2021, 202, 103517.	3.5	11
29	A UA(1) symmetry restoration scenario supported by the generalized Witten–Veneziano relation and its analytic solution. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 738, 113-117.	4.1	10
30	Vibrationally resolved N<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mn>1</mml:mn><mml:mi>s</mml:mi></mml:mrow></mml:math>absorption spectra of the acrylonitrile molecule. Physical Review A, 2012, 85, .	2.5	9
31	Benchmarking Attention-Based Interpretability of Deep Learning in Multivariate Time Series Predictions. Entropy, 2021, 23, 143.	2.2	9
32	Human-Centric AI: The Symbiosis of Human and Artificial Intelligence. Entropy, 2021, 23, 332.	2.2	8
33	Asymmetry in power-law magnitude correlations. Physical Review E, 2009, 80, 015101.	2.1	7
34	$ eta$ and $ eta{^prime}$ mesons in the Dyson-Schwinger approach using a generalization of the Witten-Veneziano relation. European Physical Journal A, 2008, 38, 257-264.	2.5	5
35	Temperature Dependence of the Axion Mass in a Scenario Where the Restoration of Chiral Symmetry Drives the Restoration of the UA(1) Symmetry. Universe, 2019, 5, 208.	2.5	4
36	Recovering the chiral critical endpoint via delocalization of quark interactions. Physical Review D, 2014, 89, .	4.7	3

#	Article	IF	Citations
37	A Dyson-Schwinger model beyond isospin limit. European Physical Journal: Special Topics, 2020, 229, 3363-3370.	2.6	3
38	A generalization of random matrix theory and its application to statistical physics. Chaos, 2017, 27, 023104.	2.5	2
39	TWO PHOTON DECAYS OF SCALAR MESONS IN A COVARIANT QUARK MODEL. International Journal of Modern Physics A, 2000, 15, 65-79.	1.5	1
40	Aspects of model dependence of $$eta '$$€"$$eta $$ complex treated by going beyond the isospin limit. European Physical Journal A, 2020, 56, 1.	2.5	1
41	Quark-meson SU(3) model in a Tamm-Dancoff inspired approximation. European Physical Journal C, 2005, 38, 483-494.	3.9	0
42	Scaling of Growth Rate Volatility for Six Macroeconomic Variables. Contemporary Economics, 2012, 6, 20-25.	1.8	0