

Manuel Ruiz Marin

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2025779/publications.pdf>

Version: 2024-02-01

77
papers

812
citations

516710
16
h-index

610901
24
g-index

79
all docs

79
docs citations

79
times ranked

522
citing authors

#	ARTICLE	IF	CITATIONS
1	A Low-Cost Telerehabilitation Paradigm for Bimanual Training. IEEE/ASME Transactions on Mechatronics, 2022, 27, 395-406.	5.8	4
2	Data-Driven Classification of Human Movements in Virtual Realityâ€‘Based Serious Games: Preclinical Rehabilitation Study in Citizen Science. JMIR Serious Games, 2022, 10, e27597.	3.1	3
3	Non-parametric analysis of serial dependence in time series using ordinal patterns. Computational Statistics and Data Analysis, 2022, 168, 107381.	1.2	10
4	A spatiotemporal model of firearm ownership in the United States. Patterns, 2022, 3, 100546.	5.9	2
5	Symbolic transfer entropy test for causality in longitudinal data. Economic Modelling, 2021, 94, 649-661.	3.8	19
6	Integrating old and new complexity measures toward automated seizure detection from long-term video EEG recordings. IScience, 2021, 24, 101997.	4.1	3
7	Selection of Embedding Dimension and Delay Time in Phase Space Reconstruction via Symbolic Dynamics. Entropy, 2021, 23, 221.	2.2	22
8	Modeling Human Migration Under Environmental Change: A Case Study of the Effect of Sea Level Rise in Bangladesh. Earth's Future, 2021, 9, e2020EF001931.	6.3	10
9	Statistical Tests of Symbolic Dynamics. Mathematics, 2021, 9, 817.	2.2	1
10	Information Theory and Symbolic Analysis: Theory and Applications. Entropy, 2021, 23, 1361.	2.2	1
11	Quantifying the role of the COVID-19 pandemic in the 2020 U.S. presidential elections. European Physical Journal: Special Topics, 2021, , 1-9.	2.6	1
12	Irrigation Protocols in Different Water Availability Scenarios for â€‘Crimson Seedlessâ€™ Table Grapes under Mediterranean Semi-Arid Conditions. Water (Switzerland), 2021, 13, 22.	2.7	10
13	Network Dynamics in Elemental Assimilation and Metabolism. Entropy, 2021, 23, 1633.	2.2	0
14	An information-theoretic approach to study spatial dependencies in small datasets. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2020, 476, 20200113.	2.1	3
15	Social distancing at health care centers early in the pandemic helps to protect population from COVID-19. Environmental Research, 2020, 189, 109957.	7.5	11
16	Self-Protection versus Fear of Stricter Firearm Regulations: Examining the Drivers of Firearm Acquisitions in the Aftermath of a Mass Shooting. Patterns, 2020, 1, 100082.	5.9	6
17	A Prototype Framework Design for Assisting the Detection of Atrial Fibrillation Using a Generic Low-Cost Biomedical Sensor. Sensors, 2020, 20, 896.	3.8	1
18	Unequal effects of the national lockdown on mental and social health in Italy. Annali Dell'Istituto Superiore Di Sanita, 2020, 56, 497-501.	0.4	6

#	ARTICLE	IF	CITATIONS
19	Transfer entropy on symbolic recurrences. Chaos, 2019, 29, 063123.	2.5	11
20	Symbolic Recurrence Analysis of RR Interval to Detect Atrial Fibrillation. Journal of Clinical Medicine, 2019, 8, 1840.	2.4	5
21	A test for deterministic dynamics in spatial processes. Spatial Economic Analysis, 2019, 14, 361-377.	1.6	3
22	A Comparison Study on Criteria to Select the Most Adequate Weighting Matrix. Entropy, 2019, 21, 160.	2.2	12
23	Two Tests for Dependence (of Unknown Form) between Time Series. Entropy, 2019, 21, 878.	2.2	1
24	Application of symbolic recurrence to experimental data, from firearm prevalence to fish swimming. Chaos, 2019, 29, 113128.	2.5	1
25	Inducing non-orthogonal and non-linear decision boundaries in decision trees via interactive basis functions. Expert Systems With Applications, 2019, 122, 183-206.	7.6	12
26	Symbolic correlation integral. Econometric Reviews, 2019, 38, 533-556.	1.1	14
27	Inference on Filtered and Smoothed Probabilities in Markov-Switching Autoregressive Models. Journal of Business and Economic Statistics, 2019, 37, 484-495.	2.9	9
28	Information Flow in a Model of Policy Diffusion: An Analytical Study. IEEE Transactions on Network Science and Engineering, 2018, 5, 42-54.	6.4	15
29	Inference of time-varying networks through transfer entropy, the case of a Boolean network model. Chaos, 2018, 28, 103123.	2.5	12
30	Symbolic recurrence plots to analyze dynamical systems. Chaos, 2018, 28, 063112.	2.5	25
31	Symbolic dynamics of animal interaction. Journal of Theoretical Biology, 2017, 435, 145-156.	1.7	19
32	Plasticity in leader–follower roles in human teams. Scientific Reports, 2017, 7, 14562.	3.3	9
33	A note on the SG(m) test. Journal of Geographical Systems, 2016, 18, 87-96.	3.1	2
34	Detecting causal relationships between spatial processes. Papers in Regional Science, 2016, 95, 577-595.	1.9	10
35	Selection of Temporal Lags When Modeling Economic and Financial Processes. Nonlinear Dynamics, Psychology, and Life Sciences, 2016, 20, 445-69.	0.2	0
36	Identifying the Most Relevant Lag with Runs. Entropy, 2015, 17, 2706-2722.	2.2	2

#	ARTICLE	IF	CITATIONS
37	Testing for Spatial Independence Using Similarity Relations. Geographical Analysis, 2015, 47, 97-120.	3.5	6
38	Nonparametric correlation integral-based tests for linear and nonlinear stochastic processes. Decisions in Economics and Finance, 2014, 37, 181-193.	1.8	4
39	A permutation entropy based test for causality: The volume-stock price relation. Physica A: Statistical Mechanics and Its Applications, 2014, 398, 280-288.	2.6	24
40	The relationship between concentration of scoring and offensive efficiency in the NBA. Journal of Quantitative Analysis in Sports, 2014, 10, .	1.0	0
41	Changing Patterns of Precipitation at the Sooke Reservoir in British Columbia. Atlantic Economic Journal, 2013, 41, 97-113.	0.5	2
42	Development of an indicator to assess the spatial fit of discrete choice models. Transportation Research Part B: Methodological, 2013, 56, 217-233.	5.9	13
43	Detecting Dependence Between Spatial Processes. Spatial Economic Analysis, 2013, 8, 469-497.	1.6	7
44	Measuring Ethnic Clustering and Exposure with the Q Statistic: An Exploratory Analysis of Irish, Germans, and Yankees in 1880 Newark. Annals of the American Association of Geographers, 2012, 102, 84-102.	3.0	20
45	A Method to Analyse Measurement Invariance under Uncertainty in Between-Subjects Design. Spanish Journal of Psychology, 2012, 15, 1510-1519.	2.1	0
46	Detecting the order of spatial dependence via symbolic analysis. International Journal of Geographical Information Science, 2012, 26, 1015-1029.	4.8	3
47	Four tests of independence in spatiotemporal data. Papers in Regional Science, 2011, 90, 663-686.	1.9	27
48	Spatial Symbolic Entropy: A Tool for Detecting the Order of Contiguity. Geographical Analysis, 2011, 43, 228-239.	3.5	7
49	Subgroup separability in integral group rings. Journal of Algebra, 2011, 347, 60-68.	0.7	0
50	Advanced methods and applications in regional science. Annals of Regional Science, 2011, 47, 249-252.	2.1	0
51	D-test: A New Test for Analyzing Scale Invariance Using Symbolic Dynamics and Symbolic Entropy. Methodology, 2011, 7, 88-95.	1.1	4
52	Testing for nonlinear dependence in financial markets. Nonlinear Dynamics, Psychology, and Life Sciences, 2011, 15, 407-18.	0.2	0
53	Testing for spatial association of qualitative data using symbolic dynamics. Journal of Geographical Systems, 2010, 12, 281-309.	3.1	41
54	A non-parametric spatial independence test using symbolic entropy. Regional Science and Urban Economics, 2010, 40, 106-115.	2.6	44

#	ARTICLE	IF	CITATIONS
55	An entropy test for single-locus genetic association analysis. BMC Genetics, 2010, 11, 19.	2.7	25
56	A symbolic test for testing independence between time series. Journal of Time Series Analysis, 2010, 31, 76-85.	1.2	10
57	A new test for chaos and determinism based on symbolic dynamics. Journal of Economic Behavior and Organization, 2010, 76, 600-614.	2.0	18
58	Detecting chaos in a duopoly model via symbolic dynamics. Discrete and Continuous Dynamical Systems - Series B, 2010, 13, 269-278.	0.9	1
59	ANTISYMMETRIC ELEMENTS IN GROUP RINGS II. Journal of Algebra and Its Applications, 2009, 08, 115-127.	0.4	13
60	Antisymmetric elements in group rings with an orientation morphism. Forum Mathematicum, 2009, 21, .	0.7	3
61	Detection of non-linear structure in time series. Economics Letters, 2009, 105, 1-6.	1.9	22
62	Unitary Units Satisfying a Group Identity. Communications in Algebra, 2009, 37, 1729-1738.	0.6	4
63	A non-parametric independence test using permutation entropy. Journal of Econometrics, 2008, 144, 139-155.	6.5	80
64	The Cournotâ€œTheocharis problem reconsidered. Chaos, Solitons and Fractals, 2008, 37, 1025-1039.	5.1	29
65	Free Groups and Subgroups of Finite Index in the Unit Group of an Integral Group Ring. Communications in Algebra, 2007, 35, 2879-2888.	0.6	9
66	A method for studying non-autonomous affine maps: An application to a two-region business cycle modelâ€™. Chaos, Solitons and Fractals, 2007, 34, 1285-1298.	5.1	1
67	Symmetric units satisfying a group identity. Journal of Algebra, 2007, 308, 742-750.	0.7	7
68	Groups of units of integral group rings commensurable with direct products of free-by-free groups. Advances in Mathematics, 2007, 212, 692-722.	1.1	14
69	On Symmetric Elements and Symmetric Units in Group Rings. Communications in Algebra, 2006, 34, 727-736.	0.6	33
70	The dynamics of a triopoly Cournot game when the competitors operate under capacity constraints. Chaos, Solitons and Fractals, 2006, 28, 403-413.	5.1	19
71	Non-Autonomous Business Cycle Model. , 2006, , 143-178.		0
72	ANTISYMMETRIC ELEMENTS IN GROUP RINGS. Journal of Algebra and Its Applications, 2005, 04, 341-353.	0.4	19

#	ARTICLE	IF	CITATIONS
73	Groups of units of integral group rings of Kleinian type. Transactions of the American Mathematical Society, 2005, 357, 3215-3237.	0.9	9
74	Chaos on MPE-sets of duopoly games. Chaos, Solitons and Fractals, 2004, 19, 179-183.	5.1	10
75	COMPUTING LARGE DIRECT PRODUCTS OF FREE GROUPS IN INTEGRAL GROUP RINGS. Communications in Algebra, 2002, 30, 1751-1767.	0.6	4
76	Distributional Chaos of Cournot maps. Advanced Nonlinear Studies, 2001, 1, 79-87.	1.7	5
77	Spatial partial causality. European Physical Journal: Special Topics, 0, , .	2.6	0