

Pósters

Alberto Perez-Mugia

Out-of-equilibrium pathways to molecular complexity in the interstellar medium

Alberto Perez-Muñuzuri

Quantifying the potentiality to differentiate in opinion networks

Alejandro Edbel Vilca Cabrera

Emergence and Complexity in Football: A Study of the Rondo from the Perspective of Complex Systems

Ángela Tajuelo Valbuenas

Biasing Chaos: Large-Deviation Control of Deterministic and Random Maps

Aniello Lampo

Revisiting Taylor's Law: Evidence for Interactions in Microbial Ecosystems

Antonio Vargas

Microbial Community Dynamics in Post-Mining Soils: Long-Term Evaluation of Ecological Restoration Effects

Carlotta Nunzi

Lotka-Volterra system with random carrying capacities

Cristina Masoller

Assessing climate patterns and causal dependencies using network tools and nonlinear time series analysis tools

Daniel José Rodríguez Luis

On the iteration of the PageRank vector

Daniela Molas Benitez

The Role of direct and reflective Imitation in Collective Decision-Making: A Study Using the Personal Voter Model Information

David March-Pons

Symmetry breaking in collective decision-making through higher-order interactions

Dimitri Marinelli

The Two Regimes of Natural Disasters: The Case of Flood Damages

Eduardo Nieto Vargas

Stochastic Resonance between Chaos and Oscillatory Input in Non-reciprocal Random Neural Networks

Federico Bellisardi

Urban Morphology as a Minimizer of Gravitational Work

Fernando Diaz-Diaz

Disentangling Communities and Factions in Signed Networks through Gremban Expansions

Francisco Javier Marin Rodriguez

Emergent Synchronization Patterns in Adaptive Networks with Conformist and Contrarian Oscillators

Gerard Argany

Opinion dynamics under large-scale polarizing events

Gonzalo Contreras Aso

Order amidst a world of chaos: Recent developments in cluster synchronization

Henrique Ferraz de Arruda

Modeling Opinion Dynamics and Social Network Algorithms

Inmaculada Leyva

Coevolution of structure and function in cultured neuronal networks

Irene Sendiña

Flatness-Based Control of Complex Networks

Jacobo Aguirre

Emergence of complexity across chemical and informational levels in the origin of life

Javier Borge-Holthoefer

Comparative assessment of automated and manual monitoring in comprehensive plant-pollinator communities

Javier Molina

Optimization of sequential therapies to maximize extinction of resistant bacteria through collateral sensitivity

Jonathan Diez

Assessing infrastructural resilience under extreme weather events: a case study of the Valencian DANA

Juan Antonio García Castillo

Modeling scientific networks by examining cooperation policies in various research centers

Juan Carlos Losada González

Saturation Phenomena in Social Media Information Diffusion

Juan Gancio

Anticipating and identifying the threshold bifurcation of a complex laser with permutation entropy

Juliane Teixeira de Moraes

Impact of temporal heterogeneity in social interactions on spreading processes

Marina de la Fuente

A Mean-Field Model of E. coli Growth Inhibition and Killing under Ciprofloxacin Exposure

Martín Fernando Díaz Robles

Quantifying Adaptive Strategies in Regulated and Unregulated Simulated Markets

Núria Velasco-Falguera

Using logconcave functions to fit power law distributions

Pablo Rosillo Rodes

Analytic extension of Simon's model beyond the Zipf point

Pablo Rosillo-Rodes

Lexical investigation into a Flamenco music lyrics corpus

Pablo Villegas Gongora

Topological Symmetry Breaking in Antagonistic Dynamics

Pau Esteve

Exploring delay propagation in air transport using temporal networks

Paula Rodríguez Sánchez

Synchronizability vs shortest-path in Spatial Networks

Pedro Jiménez

Leveraging chaos in the training of artificial neural networks

Pedro Valle Romero

Más allá de los tipos funcionales: los rasgos especie-específicos definen el estado nutricional de las halófitas

Pilar Pineda Balbuena

Complex patterns in the regeneration of *Corema album*

Ramona Ottow

A Systematic Approach to Classifying and Evaluating Heterogeneity Measures

Robert Benassai

Allowing Room for Error: The Quasi-Shortest Path Betweenness

Rubén Rodríguez-Casañ

Optimizing River Networks for Flood Risk Reduction

Santiago Lamata Otín

Temporal higher-order interactions promote explosive transitions and bistability in complex contagion

Sara Oliver Bonafoux

Noise structure shapes transitions in cell differentiation processes

Saúl Ares

Exploiting efflux-channel promiscuity to induce transient collateral sensitivity in *Pseudomonas aeruginosa*

Thomas Louf

Uncovering the structure and dynamics of information flow on the Telegram network

Victor Manso

Modeling Cell Extrusion in E-cadherin-deficient Epithelia

Víctor Navas-Portella

Bridging scales in complex systems: Testing the universality of power-law distributions

Vittoria Socci

From individuals to institutions: A multiplex agent-based model of climate-policy support