

Angel Snchez

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189
papers

5,363
citations

37
h-index

65
g-index

198
ext. papers

5,918
ext. citations

3.3
avg, IF

5.76
L-index

| # | Paper | IF | Citations |
|-----|---|------|-----------|
| 189 | Evolutionary game theory: Temporal and spatial effects beyond replicator dynamics. <i>Physics of Life Reviews</i> , 2009 , 6, 208-49 | 2.1 | 507 |
| 188 | Heterogeneous networks do not promote cooperation when humans play a Prisoner's Dilemma. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 12922-6 | 11.5 | 232 |
| 187 | Manifesto of computational social science. <i>European Physical Journal: Special Topics</i> , 2012 , 214, 325-346 | 2.3 | 193 |
| 186 | Social experiments in the mesoscale: humans playing a spatial prisoner's dilemma. <i>PLoS ONE</i> , 2010 , 5, e13749 | 3.7 | 158 |
| 185 | Complex cooperative networks from evolutionary preferential attachment. <i>PLoS ONE</i> , 2008 , 3, e2449 | 3.7 | 146 |
| 184 | Phase transitions in two-dimensional traffic-flow models. <i>Physical Review E</i> , 1993 , 48, R4175-R4178 | 2.4 | 146 |
| 183 | Time scales in evolutionary dynamics. <i>Physical Review Letters</i> , 2006 , 97, 158701 | 7.4 | 144 |
| 182 | Effect of spatial structure on the evolution of cooperation. <i>Physical Review E</i> , 2009 , 80, 046106 | 2.4 | 139 |
| 181 | Suppression of localization in Kronig-Penney models with correlated disorder. <i>Physical Review B</i> , 1994 , 49, 147-157 | 3.3 | 136 |
| 180 | Evolutionary games defined at the network mesoscale: the Public Goods game. <i>Chaos</i> , 2011 , 21, 016113 | 3.3 | 94 |
| 179 | Localization decay induced by strong nonlinearity in disordered systems. <i>Physical Review Letters</i> , 1990 , 64, 1693-1696 | 7.4 | 93 |
| 178 | Mesosopic structure conditions the emergence of cooperation on social networks. <i>PLoS ONE</i> , 2008 , 3, e1892 | 3.7 | 90 |
| 177 | Altruism may arise from individual selection. <i>Journal of Theoretical Biology</i> , 2005 , 235, 233-40 | 2.3 | 82 |
| 176 | Reputation drives cooperative behaviour and network formation in human groups. <i>Scientific Reports</i> , 2015 , 5, 7843 | 4.9 | 80 |
| 175 | General Non-Existence Theorem for Phase Transitions in One-Dimensional Systems with Short Range Interactions, and Physical Examples of Such Transitions. <i>Journal of Statistical Physics</i> , 2004 , 115, 869-893 | 1.5 | 80 |
| 174 | A comparative analysis of spatial Prisoner's Dilemma experiments: conditional cooperation and payoff irrelevance. <i>Scientific Reports</i> , 2014 , 4, 4615 | 4.9 | 74 |
| 173 | Emergence and resilience of cooperation in the spatial prisoner's dilemma via a reward mechanism. <i>Journal of Theoretical Biology</i> , 2008 , 250, 475-83 | 2.3 | 73 |

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| 172 | Human behavior in Prisoner's Dilemma experiments suppresses network reciprocity. <i>Scientific Reports</i> , 2012 , 2, 325 | 4.9 | 70 |
| 171 | Collective Coordinates and Length-Scale Competition in Spatially Inhomogeneous Soliton-Bearing Equations. <i>SIAM Review</i> , 1998 , 40, 579-615 | 7.4 | 68 |
| 170 | A complex systems approach to constructing better models for managing financial markets and the economy. <i>European Physical Journal: Special Topics</i> , 2012 , 214, 295-324 | 2.3 | 64 |
| 169 | Delocalized vibrations in classical random chains. <i>Physical Review B</i> , 1993 , 48, 6054-6057 | 3.3 | 62 |
| 168 | Evolving learning rules and emergence of cooperation in spatial prisoner's dilemma. <i>Journal of Theoretical Biology</i> , 2009 , 259, 84-95 | 2.3 | 55 |
| 167 | Disentangling social and group heterogeneities: Public Goods games on complex networks. <i>Europhysics Letters</i> , 2011 , 95, 68003 | 1.6 | 54 |
| 166 | Cooperative scale-free networks despite the presence of defector hubs. <i>Europhysics Letters</i> , 2009 , 88, 38003 | 1.6 | 53 |
| 165 | Effects of the electronic structure on the dc conductance of Fibonacci superlattices. <i>Physical Review B</i> , 1994 , 49, 9503-9510 | 3.3 | 52 |
| 164 | Internal mode mechanism for collective energy transport in extended systems. <i>Physical Review Letters</i> , 2003 , 91, 234102 | 7.4 | 50 |
| 163 | Humans display a reduced set of consistent behavioral phenotypes in dyadic games. <i>Science Advances</i> , 2016 , 2, e1600451 | 14.3 | 48 |
| 162 | Absence of localization and large dc conductance in random superlattices with correlated disorder. <i>Physical Review B</i> , 1994 , 50, 14359-14367 | 3.3 | 48 |
| 161 | Resonances in the dynamics of straight $\phi(4)$ kinks perturbed by ac forces. <i>Physical Review E</i> , 2000 , 62, 5695-705 | 2.4 | 46 |
| 160 | Co-evolution of strategies and update rules in the prisoner's dilemma game on complex networks. <i>New Journal of Physics</i> , 2010 , 12, 103034 | 2.9 | 45 |
| 159 | Anomalous scaling in a nonlocal growth model in the Kardar-Parisi-Zhang universality class. <i>Physical Review E</i> , 1998 , 57, R2491-R2494 | 2.4 | 41 |
| 158 | Promotion of cooperation on networks? The myopic best response case. <i>European Physical Journal B</i> , 2009 , 71, 587-595 | 1.2 | 39 |
| 157 | The spatial Ultimatum game revisited. <i>Journal of Theoretical Biology</i> , 2011 , 278, 1-10 | 2.3 | 39 |
| 156 | Three is a crowd in iterated prisoner's dilemmas: experimental evidence on reciprocal behavior. <i>Scientific Reports</i> , 2012 , 2, 638 | 4.9 | 39 |
| 155 | Model for crystallization kinetics: Deviations from Kolmogorov-Johnson-Mehl-Avrami kinetics. <i>Applied Physics Letters</i> , 1999 , 75, 2205-2207 | 3.4 | 39 |

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| 154 | Multiparticle biased diffusion-limited aggregation with surface diffusion: A comprehensive model of electrodeposition. <i>Physical Review E</i> , 2000 , 62, 161-73 | 2.4 | 38 |
| 153 | Anomalous resonance phenomena of solitary waves with internal modes. <i>Physical Review Letters</i> , 2000 , 84, 871-4 | 7.4 | 37 |
| 152 | Stochastic vortex dynamics in two-dimensional easy-plane ferromagnets: Multiplicative versus additive noise. <i>Physical Review B</i> , 1999 , 59, 11349-11357 | 3.3 | 37 |
| 151 | Enhanced suppression of localization in a continuous random-dimer model. <i>Journal of Physics A</i> , 1994 , 27, 3725-3730 | | 36 |
| 150 | Soliton ratchets in homogeneous nonlinear Klein-Gordon systems. <i>Chaos</i> , 2006 , 16, 013117 | 3.3 | 34 |
| 149 | Self-consistent analysis of electric field effects on Si delta -doped GaAs. <i>Semiconductor Science and Technology</i> , 1995 , 10, 1303-1309 | 1.8 | 34 |
| 148 | NONLINEAR WAVE PROPAGATION IN DISORDERED MEDIA. <i>International Journal of Modern Physics B</i> , 1991 , 05, 2825-2882 | 1.1 | 33 |
| 147 | Gender differences in cooperation: experimental evidence on high school students. <i>PLoS ONE</i> , 2013 , 8, e83700 | 3.7 | 32 |
| 146 | Quasi-ballistic-electron transport in random superlattices. <i>Physical Review B</i> , 1994 , 50, 17736-17739 | 3.3 | 32 |
| 145 | Learning dynamics explains human behaviour in prisoner's dilemma on networks. <i>Journal of the Royal Society Interface</i> , 2014 , 11, 20131186 | 4.1 | 31 |
| 144 | ac driven sine-Gordon solitons: dynamics and stability. <i>European Physical Journal B</i> , 1998 , 6, 133-142 | 1.2 | 31 |
| 143 | Social and strategic imitation: the way to consensus. <i>Scientific Reports</i> , 2012 , 2, 686 | 4.9 | 30 |
| 142 | Relativistic effects in Kronig-Penney models on quasiperiodic lattices. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1991 , 159, 153-157 | 2.3 | 30 |
| 141 | Transition from reciprocal cooperation to persistent behaviour in social dilemmas at the end of adolescence. <i>Nature Communications</i> , 2014 , 5, 4362 | 17.4 | 29 |
| 140 | Humans expect generosity. <i>Scientific Reports</i> , 2017 , 7, 42446 | 4.9 | 28 |
| 139 | Social imitation versus strategic choice, or consensus versus cooperation, in the networked Prisoner's Dilemma. <i>Physical Review E</i> , 2014 , 90, 022810 | 2.4 | 27 |
| 138 | Imperfect imitation can enhance cooperation. <i>Europhysics Letters</i> , 2009 , 87, 48005 | 1.6 | 27 |
| 137 | Dynamical phenomena in Fibonacci semiconductor superlattices. <i>Physical Review B</i> , 1996 , 54, 16792-16798 | | 27 |

- 136 Sine-Gordon kink-antikink generation on spatially periodic potentials. *Physical Review A*, **1992**, 45, R5369-R5372 2.6 25
- 135 Cognitive resource allocation determines the organization of personal networks. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, 8316-8321 11.5 25
- 134 Existence of internal modes of sine-gordon kinks. *Physical Review E*, **2000**, 62, R60-3 2.4 25
- 133 Soliton pinning by long-range order in aperiodic systems. *Physical Review E*, **1995**, 52, R2183-R2186 2.4 25
- 132 Explanation of delocalization in the continuous random-dimer model. *Physical Review B*, **1995**, 51, 6769-6772 2.4 25
- 131 Chaos and unpredictability in evolutionary dynamics in discrete time. *Physical Review Letters*, **2011**, 107, 038101 7.4 24
- 130 Energy spectra of quasiperiodic systems via information entropy. *Physical Review E*, **1994**, 50, R679-R682 2.4 24
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- 128 Sine-Gordon breathers on spatially periodic potentials. *Physical Review A*, **1992**, 45, 6031-6037 2.6 23
- 127 Empathy emerges spontaneously in the ultimatum game: small groups and networks. *PLoS ONE*, **2012**, 7, e43781 3.7 22
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- 125 DISORDER AND FLUCTUATIONS IN NONLINEAR EXCITATIONS IN DNA. *Fluctuation and Noise Letters*, **2004**, 04, L491-L504 1.2 22
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- 123 Kink stability, propagation, and length-scale competition in the periodically modulated sine-Gordon equation. *Physical Review E*, **1994**, 49, 4603-4615 2.4 22
- 122 SOCIAL DYNAMICS AND COOPERATION: THE CASE OF NONHUMAN PRIMATES AND ITS IMPLICATIONS FOR HUMAN BEHAVIOR. *International Journal of Modeling, Simulation, and Scientific Computing*, **2012**, 15, 1250066 0.8 20
- 121 Kink dynamics in spatially inhomogeneous media: the role of internal modes. *Physical Review E*, **2007**, 75, 036611 2.4 20
- 120 . *IEEE Journal of Quantum Electronics*, **1995**, 31, 1919-1926 2 20
- 119 Kink Drift in Oscillating Fields. *Physical Review Letters*, **1996**, 77, 582 7.4 20

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| 118 | Topological traps control flow on real networks: the case of coordination failures. <i>PLoS ONE</i> , 2010 , 5, e15210 | 3.7 | 20 |
| 117 | Exciton trapping in one-dimensional systems with correlated disorder. <i>Physical Review B</i> , 1994 , 49, 3839-3843 | 3.3 | 19 |
| 116 | Kink decay in a parametrically driven phi4 chain. <i>Physical Review A</i> , 1992 , 45, 1207-1212 | 2.6 | 19 |
| 115 | Heterogeneous network games: Conflicting preferences. <i>Games and Economic Behavior</i> , 2013 , 79, 56-66 | 1.1 | 18 |
| 114 | Generosity pays in the presence of direct reciprocity: a comprehensive study of 2 \times 2 repeated games. <i>PLoS ONE</i> , 2012 , 7, e35135 | 3.7 | 18 |
| 113 | The shared reward dilemma. <i>Journal of Theoretical Biology</i> , 2008 , 251, 253-63 | 2.3 | 18 |
| 112 | Group size effects and critical mass in public goods games. <i>Scientific Reports</i> , 2019 , 9, 5503 | 4.9 | 17 |
| 111 | Physics of human cooperation: experimental evidence and theoretical models. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2018 , 2018, 024001 | 1.9 | 17 |
| 110 | Cooperation Survives and Cheating Pays in a Dynamic Network Structure with Unreliable Reputation. <i>Scientific Reports</i> , 2016 , 6, 27160 | 4.9 | 17 |
| 109 | Three-dimensional effects on extended states in disordered models of polymers. <i>Physical Review B</i> , 1995 , 51, 8115-8124 | 3.3 | 17 |
| 108 | Applying the dynamics of evolution to achieve reliability in master-worker computing. <i>Concurrency Computation Practice and Experience</i> , 2013 , 25, 2363-2380 | 1.4 | 16 |
| 107 | Soliton ratchets out of point-like inhomogeneities. <i>European Physical Journal B</i> , 2003 , 37, 79-83 | 1.2 | 16 |
| 106 | Individual Strategy Update and Emergence of Cooperation in Social Networks. <i>Journal of Mathematical Sociology</i> , 2012 , 36, 1-21 | 1.2 | 15 |
| 105 | Towards a proper assignment of systemic risk: the combined roles of network topology and shock characteristics. <i>PLoS ONE</i> , 2013 , 8, e77526 | 3.7 | 15 |
| 104 | Coherent carrier dynamics in semiconductor superlattices. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1998 , 240, 109-111 | 2.3 | 15 |
| 103 | Rabi oscillations in semiconductor superlattices. <i>Physical Review B</i> , 1998 , 58, 1146-1149 | 3.3 | 15 |
| 102 | Does the dynamics of sine-Gordon solitons predict active regions of DNA?. <i>Physica D: Nonlinear Phenomena</i> , 2006 , 223, 214-221 | 3.3 | 15 |
| 101 | Thermal diffusion of sine-Gordon solitons. <i>European Physical Journal B</i> , 2000 , 16, 361-368 | 1.2 | 15 |

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| 100 | External fluctuations in front dynamics with inertia: The overdamped limit. <i>European Physical Journal B</i> , 2000 , 16, 127-131 | 1.2 | 15 |
| 99 | Kink propagation through disordered media. <i>Physical Review A</i> , 1992 , 45, 8867-8873 | 2.6 | 15 |
| 98 | Hierarchy is Detrimental for Human Cooperation. <i>Scientific Reports</i> , 2015 , 5, 18634 | 4.9 | 14 |
| 97 | Dynamics to equilibrium in network games: individual behavior and global response. <i>PLoS ONE</i> , 2015 , 10, e0120343 | 3.7 | 14 |
| 96 | Multiparticle aggregation model for dendritic growth applied to experiments on amorphous Co-P alloys. <i>Physical Review E</i> , 1994 , 50, 2427-2430 | 2.4 | 14 |
| 95 | Dynamics of a ϕ^4 kink in the presence of strong potential fluctuations, dissipation, and boundaries. <i>Physical Review A</i> , 1991 , 44, 1086-1103 | 2.6 | 14 |
| 94 | On the coexistence of cooperators, defectors and conditional cooperators in the multiplayer iterated Prisoner's Dilemma. <i>Journal of Theoretical Biology</i> , 2012 , 300, 299-308 | 2.3 | 13 |
| 93 | Coordination and growth: the Stag Hunt game on evolutionary networks. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2011 , 2011, P05008 | 1.9 | 13 |
| 92 | Lattice model for kinetics and grain-size distribution in crystallization. <i>Physical Review B</i> , 2000 , 61, 6579-6586 | 3.5 | 13 |
| 91 | Soliton diffusion on the classical, isotropic Heisenberg chain. <i>European Physical Journal B</i> , 2001 , 20, 405-417 | 4.1 | 13 |
| 90 | Overdamped sine-Gordon kink in a thermal bath. <i>Physical Review E</i> , 1999 , 60, 222-30 | 2.4 | 13 |
| 89 | Nonlinear resonant tunnelling through double-barrier structures. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1995 , 198, 403-406 | 2.3 | 13 |
| 88 | Resource heterogeneity leads to unjust effort distribution in climate change mitigation. <i>PLoS ONE</i> , 2018 , 13, e0204369 | 3.7 | 13 |
| 87 | Short-range mobility and the evolution of cooperation: an experimental study. <i>Scientific Reports</i> , 2015 , 5, 10282 | 4.9 | 12 |
| 86 | Mode locking in discrete soliton dynamics under ac forces. <i>Physical Review B</i> , 1997 , 56, 87-90 | 3.3 | 12 |
| 85 | Selection, shape, and relaxation of fronts: a numerical study of the effects of inertia. <i>Physical Review E</i> , 2001 , 63, 056608 | 2.4 | 12 |
| 84 | Effective nonlinear model of resonant tunneling nanostructures. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1996 , 215, 103-107 | 2.3 | 12 |
| 83 | Electron dynamics in intentionally disordered semiconductor superlattices. <i>Physical Review B</i> , 1996 , 54, 14550-14559 | 3.3 | 12 |

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| 82 | Multifractal patterns formed by laser irradiation in GeAl thin multilayer films. <i>Physical Review B</i> , 1992 , 46, 487-490 | 3.3 | 12 |
| 81 | Interference effects in soliton scattering by impurities. <i>Journal of Physics A</i> , 1992 , 25, 5711-5728 | | 12 |
| 80 | Diversity-induced resonance in the response to social norms. <i>Physical Review E</i> , 2013 , 87, 022803 | 2.4 | 11 |
| 79 | Equilibria, information and frustration in heterogeneous network games with conflicting preferences. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2017 , 2017, 113403 | 1.9 | 11 |
| 78 | Hawking-like emission in kink-soliton escape from a potential well. <i>New Journal of Physics</i> , 2008 , 10, 113015 | | 11 |
| 77 | Community connectivity and heterogeneity: clues and insights on cooperation on social networks. <i>Journal of Economic Interaction and Coordination</i> , 2008 , 3, 183-199 | 1.1 | 11 |
| 76 | Roughening and super-roughening in the ordered and random two-dimensional sine-gordon models. <i>Physical Review E</i> , 2000 , 62, 3219-29 | 2.4 | 11 |
| 75 | Possible soliton motion in ac-driven damped nonlinear lattices. <i>Physical Review B</i> , 1994 , 50, 9652-9655 | 3.3 | 11 |
| 74 | Optical absorption in paired correlated random lattices. <i>Physical Review B</i> , 1994 , 50, 6453-6456 | 3.3 | 11 |
| 73 | How Evolutionary Dynamics Affects Network Reciprocity in Prisoner's Dilemma. <i>Jasss</i> , 2015 , 18, | 4.8 | 11 |
| 72 | Extended states and dynamical localization in semiconductor superlattices. <i>Journal of Applied Physics</i> , 1997 , 81, 777-780 | 2.5 | 10 |
| 71 | Dephasing effects induced by weak disorder in superlattices. <i>Microelectronic Engineering</i> , 1998 , 43-44, 117-123 | 2.5 | 10 |
| 70 | dc motion of ac driven sine-Gordon solitons. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1998 , 247, 161-166 | 2.3 | 10 |
| 69 | Length scale competition in nonlinear Klein-Gordon models: a collective coordinate approach. <i>Chaos</i> , 2005 , 15, 23502 | 3.3 | 10 |
| 68 | A theorem on the absence of phase transitions in one-dimensional growth models with on-site periodic potentials. <i>Journal of Physics A</i> , 2002 , 35, 2373-2377 | | 10 |
| 67 | Finite temperature dynamics of vortices in the two dimensional anisotropic Heisenberg model. <i>European Physical Journal B</i> , 1999 , 7, 607-618 | 1.2 | 10 |
| 66 | Excitation decay in one-dimensional disordered systems with paired traps. <i>Physical Review B</i> , 1995 , 51, 173-178 | 3.3 | 10 |
| 65 | Localization of relativistic electrons in a one-dimensional disordered system. <i>Journal of Physics A</i> , 1994 , 27, 3285-3291 | | 10 |

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| 64 | Sine-Gordon wobbles through Bäcklund transformations. <i>Discrete and Continuous Dynamical Systems - Series S</i> , 2011 , 4, 1047-1056 | 2.8 | 10 |
| 63 | Global information and mobility support coordination among humans. <i>Scientific Reports</i> , 2014 , 4, 6458 | 4.9 | 9 |
| 62 | Apparent phase transitions in finite one-dimensional sine-Gordon lattices. <i>Physical Review E</i> , 2003 , 67, 046108 | 2.4 | 9 |
| 61 | Incoherent exciton trapping in self-similar aperiodic lattices. <i>Physical Review B</i> , 1995 , 51, 878-882 | 3.3 | 9 |
| 60 | Length-scale competition in the damped sine-Gordon chain with spatiotemporal periodic driving. <i>Physical Review E</i> , 1993 , 48, 1447-1452 | 2.4 | 9 |
| 59 | Anomalies of ac driven solitary waves with internal modes: nonparametric resonances induced by parametric forces. <i>Physical Review E</i> , 2001 , 64, 046601 | 2.4 | 8 |
| 58 | Kink dynamics in the weakly stochastic phi4 model. <i>Physical Review B</i> , 1991 , 44, 2554-2566 | 3.3 | 8 |
| 57 | Improving transportation networks: Effects of population structure and decision making policies. <i>Scientific Reports</i> , 2017 , 7, 4498 | 4.9 | 7 |
| 56 | Random topologies and the emergence of cooperation: the role of short-cuts. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2011 , 2011, P04019 | 1.9 | 7 |
| 55 | On the discrete Peyrard-Bishop model of DNA: stationary solutions and stability. <i>Chaos</i> , 2006 , 16, 023123 | 3.3 | 7 |
| 54 | Inhomogeneous soliton ratchets under two ac forces. <i>Physical Review E</i> , 2006 , 73, 046605 | 2.4 | 7 |
| 53 | Internal mode dynamics in driven nonlinear Klein-Gordon systems. <i>European Physical Journal B</i> , 2001 , 19, 107-115 | 1.2 | 7 |
| 52 | Roughening transitions of driven surface growth. <i>Physical Review B</i> , 1995 , 51, 14664-14668 | 3.3 | 7 |
| 51 | Gossip and competitive altruism support cooperation in a Public Good game. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2021 , 376, 20200303 | 5.8 | 7 |
| 50 | Equilibrium characterization of networks under conflicting preferences. <i>Economics Letters</i> , 2017 , 155, 154-156 | 1.3 | 6 |
| 49 | Cooperation on dynamic networks within an uncertain reputation environment. <i>Scientific Reports</i> , 2018 , 8, 9093 | 4.9 | 6 |
| 48 | Reputation-Based Mechanisms for Evolutionary Master-Worker Computing. <i>Lecture Notes in Computer Science</i> , 2013 , 98-113 | 0.9 | 6 |
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| 46 | Modelling disorder: the cases of wetting and DNA denaturation. <i>European Physical Journal B</i> , 2007 , 56, 253-258 | 1.2 | 6 |
| 45 | Equilibrium roughening transition in a one-dimensional modified sine-Gordon model. <i>Physical Review E</i> , 2004 , 70, 061607 | 2.4 | 6 |
| 44 | Topological soliton dynamics in a stochastic model. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1991 , 152, 184-190 | 2.3 | 6 |
| 43 | Evidence from a long-term experiment that collective risks change social norms and promote cooperation. <i>Nature Communications</i> , 2021 , 12, 5452 | 17.4 | 6 |
| 42 | Quantitative account of social interactions in a mental health care ecosystem: cooperation, trust and collective action. <i>Scientific Reports</i> , 2018 , 8, 3794 | 4.9 | 5 |
| 41 | Collaborative hierarchy maintains cooperation in asymmetric games. <i>Scientific Reports</i> , 2018 , 8, 5375 | 4.9 | 5 |
| 40 | The shared reward dilemma on structured populations. <i>Journal of Economic Interaction and Coordination</i> , 2009 , 4, 183-193 | 1.1 | 5 |
| 39 | Phase transition in tensionless surfaces. <i>Biophysical Chemistry</i> , 2005 , 115, 187-93 | 3.5 | 5 |
| 38 | Smoothing of rough surfaces. <i>Physical Review B</i> , 1995 , 52, 5433-5444 | 3.3 | 5 |
| 37 | On the fractal characteristics of the β model. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1992 , 191, 123-127 | 3.3 | 5 |
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| 35 | Theory must be informed by experiments (and back): Comment on "Universal scaling for the dilemma strength in evolutionary games", by Z. Wang et al. <i>Physics of Life Reviews</i> , 2015 , 14, 52-3 | 2.1 | 4 |
| 34 | Grounding Social Foundations for Integrated Assessment Models of Climate Change. <i>Earth's Future</i> , 2020 , 8, e2020EF001573 | 7.9 | 4 |
| 33 | The emergence of altruism as a social norm. <i>Scientific Reports</i> , 2017 , 7, 9684 | 4.9 | 4 |
| 32 | Miniband landscape of disordered dimer superlattices. <i>Physica D: Nonlinear Phenomena</i> , 1997 , 107, 166-170 | 3.9 | 4 |
| 31 | The importance of selection rate in the evolution of cooperation. <i>European Physical Journal: Special Topics</i> , 2007 , 143, 51-58 | 2.3 | 4 |
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| 28 | Crowd Computing as a Cooperation Problem: An Evolutionary Approach. <i>Journal of Statistical Physics</i> , 2013 , 151, 654-672 | 1.5 | 3 |
| 27 | Excitations in one-dimensional lattices with traps: Exact results and simulations. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1997 , 227, 381-386 | 2.3 | 3 |
| 26 | Zero temperature landscape of the random sine-Gordon model. <i>Physica D: Nonlinear Phenomena</i> , 1997 , 107, 326-329 | 3.3 | 3 |
| 25 | Reply to Comment on Existence of internal modes of sine-Gordon kinks <i>Physical Review E</i> , 2006 , 73, | 2.4 | 3 |
| 24 | Super-roughening as a disorder-dominated flat phase. <i>Europhysics Letters</i> , 2004 , 66, 552-558 | 1.6 | 3 |
| 23 | Noise effects on synchronized globally coupled oscillators. <i>Europhysics Letters</i> , 1998 , 44, 409-415 | 1.6 | 3 |
| 22 | High conductance in random superlattices with correlated disorder. <i>Solid-State Electronics</i> , 1996 , 40, 433-436 | 1.7 | 3 |
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| 19 | RATCHETS IN HOMOGENEOUS EXTENDED SYSTEMS: INTERNAL MODES AND THE ROLE OF NOISE. <i>Fluctuation and Noise Letters</i> , 2004 , 04, L571-L584 | 1.2 | 2 |
| 18 | Scattering properties of envelope solitons in disordered systems: decay of localization effects by strong nonlinearity. <i>Waves in Random and Complex Media</i> , 1992 , 2, 125-140 | | 2 |
| 17 | Cooperation, social norm internalization, and hierarchical societies. <i>Scientific Reports</i> , 2020 , 10, 15359 | 4.9 | 2 |
| 16 | Effect of network topology and node centrality on trading. <i>Scientific Reports</i> , 2020 , 10, 11113 | 4.9 | 2 |
| 15 | Large scale and information effects on cooperation in public good games. <i>Scientific Reports</i> , 2019 , 9, 15023 | 4.9 | 2 |
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