

Zhen Wang

List of Publications by Year in descending order

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Version: 2024-02-01

281
papers

19,967
citations

23500

58
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16127

124
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283
all docs

283
docs citations

283
times ranked

9801
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Least Squares Generative Adversarial Networks. , 2017, , . | | 2,651 |
| 2 | The structure and dynamics of multilayer networks. Physics Reports, 2014, 544, 1-122. | 10.3 | 2,469 |
| 3 | Statistical physics of human cooperation. Physics Reports, 2017, 687, 1-51. | 10.3 | 1,036 |
| 4 | Statistical physics of vaccination. Physics Reports, 2016, 664, 1-113. | 10.3 | 734 |
| 5 | Evolutionary games on multilayer networks: a colloquium. European Physical Journal B, 2015, 88, 1. | 0.6 | 604 |
| 6 | Universal scaling for the dilemma strength in evolutionary games. Physics of Life Reviews, 2015, 14, 1-30. | 1.5 | 426 |
| 7 | Coupled diseaseâ€ behavior dynamics on complex networks: A review. Physics of Life Reviews, 2015, 15, 1-29. | 1.5 | 385 |
| 8 | Interdependent network reciprocity in evolutionary games. Scientific Reports, 2013, 3, 1183. | 1.6 | 368 |
| 9 | Heterogeneous Aspirations Promote Cooperation in the Prisoner's Dilemma Game. PLoS ONE, 2010, 5, e15117. | 1.1 | 330 |
| 10 | Evolution of public cooperation on interdependent networks: The impact of biased utility functions. Europhysics Letters, 2012, 97, 48001. | 0.7 | 306 |
| 11 | Explosive transitions in complex networksâ€™ structure and dynamics: Percolation and synchronization. Physics Reports, 2016, 660, 1-94. | 10.3 | 251 |
| 12 | Analysis of the Chinese Airline Network as multi-layer networks. Transportation Research, Part E: Logistics and Transportation Review, 2016, 89, 108-116. | 3.7 | 242 |
| 13 | Optimal interdependence between networks for the evolution of cooperation. Scientific Reports, 2013, 3, 2470. | 1.6 | 236 |
| 14 | Social physics. Physics Reports, 2022, 948, 1-148. | 10.3 | 231 |
| 15 | Aspiring to the fittest and promotion of cooperation in the prisonerâ€™s dilemma game. Physical Review E, 2010, 82, 021115. | 0.8 | 230 |
| 16 | Punishment diminishes the benefits of network reciprocity in social dilemma experiments. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 30-35. | 3.3 | 213 |
| 17 | Degree mixing in multilayer networks impedes the evolution of cooperation. Physical Review E, 2014, 89, 052813. | 0.8 | 209 |
| 18 | Insight into the so-called spatial reciprocity. Physical Review E, 2013, 88, 042145. | 0.8 | 204 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Rewarding evolutionary fitness with links between populations promotes cooperation. <i>Journal of Theoretical Biology</i> , 2014, 349, 50-56. | 0.8 | 203 |
| 20 | Pattern transitions in spatial epidemics: Mechanisms and emergent properties. <i>Physics of Life Reviews</i> , 2016, 19, 43-73. | 1.5 | 202 |
| 21 | Onymity promotes cooperation in social dilemma experiments. <i>Science Advances</i> , 2017, 3, e1601444. | 4.7 | 199 |
| 22 | Self-organization towards optimally interdependent networks by means of coevolution. <i>New Journal of Physics</i> , 2014, 16, 033041. | 1.2 | 187 |
| 23 | Inferring Reputation Promotes the Evolution of Cooperation in Spatial Social Dilemma Games. <i>PLoS ONE</i> , 2012, 7, e40218. | 1.1 | 174 |
| 24 | Wisdom of groups promotes cooperation in evolutionary social dilemmas. <i>Scientific Reports</i> , 2012, 2, 576. | 1.6 | 170 |
| 25 | If players are sparse social dilemmas are too: Importance of percolation for evolution of cooperation. <i>Scientific Reports</i> , 2012, 2, 369. | 1.6 | 170 |
| 26 | Impact of Social Punishment on Cooperative Behavior in Complex Networks. <i>Scientific Reports</i> , 2013, 3, 3055. | 1.6 | 166 |
| 27 | Exploiting a cognitive bias promotes cooperation in social dilemma experiments. <i>Nature Communications</i> , 2018, 9, 2954. | 5.8 | 160 |
| 28 | Spontaneous Symmetry Breaking in Interdependent Networked Game. <i>Scientific Reports</i> , 2014, 4, 4095. | 1.6 | 151 |
| 29 | Adequate is better: particle swarm optimization with limited-information. <i>Applied Mathematics and Computation</i> , 2015, 268, 832-838. | 1.4 | 150 |
| 30 | On the Effectiveness of Least Squares Generative Adversarial Networks. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2019, 41, 2947-2960. | 9.7 | 140 |
| 31 | Dynamical Clustering in Electronic Commerce Systems via Optimization and Leadership Expansion. <i>IEEE Transactions on Industrial Informatics</i> , 2020, 16, 5327-5334. | 7.2 | 124 |
| 32 | Percolation threshold determines the optimal population density for public cooperation. <i>Physical Review E</i> , 2012, 85, 037101. | 0.8 | 122 |
| 33 | Influence of isolation degree of spatial patterns on persistence of populations. <i>Nonlinear Dynamics</i> , 2016, 83, 811-819. | 2.7 | 118 |
| 34 | Physics of metabolic organization. <i>Physics of Life Reviews</i> , 2017, 20, 1-39. | 1.5 | 113 |
| 35 | Cooperation and age structure in spatial games. <i>Physical Review E</i> , 2012, 85, 011149. | 0.8 | 110 |
| 36 | Immunization of Epidemics in Multiplex Networks. <i>PLoS ONE</i> , 2014, 9, e112018. | 1.1 | 107 |

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|----|---|-----|-----------|
| 37 | Zero-sum polymatrix games with link uncertainty: A Dempster-Shafer theory solution. <i>Applied Mathematics and Computation</i> , 2019, 340, 101-112. | 1.4 | 106 |
| 38 | Doubly effects of information sharing on interdependent network reciprocity. <i>New Journal of Physics</i> , 2018, 20, 075005. | 1.2 | 103 |
| 39 | Referring to the social performance promotes cooperation in spatial prisoner's dilemma games. <i>Physical Review E</i> , 2012, 86, 031141. | 0.8 | 101 |
| 40 | Effects of delayed recovery and nonuniform transmission on the spreading of diseases in complex networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2013, 392, 1577-1585. | 1.2 | 99 |
| 41 | Heterogeneous Coupling between Interdependent Lattices Promotes the Cooperation in the Prisoner's Dilemma Game. <i>PLoS ONE</i> , 2015, 10, e0129542. | 1.1 | 97 |
| 42 | Risk assessment for infectious disease and its impact on voluntary vaccination behavior in social networks. <i>Chaos, Solitons and Fractals</i> , 2014, 68, 1-9. | 2.5 | 94 |
| 43 | Aspiration-based coevolution of link weight promotes cooperation in the spatial prisoner's dilemma game. <i>Royal Society Open Science</i> , 2018, 5, 180199. | 1.1 | 93 |
| 44 | Different perceptions of social dilemmas: Evolutionary multigames in structured populations. <i>Physical Review E</i> , 2014, 90, 032813. | 0.8 | 92 |
| 45 | Aspiration-induced reconnection in spatial public-goods game. <i>Europhysics Letters</i> , 2011, 94, 18006. | 0.7 | 90 |
| 46 | Dynamic Cluster Formation Game for Attributed Graph Clustering. <i>IEEE Transactions on Cybernetics</i> , 2019, 49, 328-341. | 6.2 | 87 |
| 47 | How human location-specific contact patterns impact spatial transmission between populations?. <i>Scientific Reports</i> , 2013, 3, 1468. | 1.6 | 84 |
| 48 | Enhance the Performance of Network Computation by a Tunable Weighting Strategy. <i>IEEE Transactions on Emerging Topics in Computational Intelligence</i> , 2018, 2, 214-223. | 3.4 | 83 |
| 49 | Immunity of multiplex networks via acquaintance vaccination. <i>Europhysics Letters</i> , 2015, 112, 48002. | 0.7 | 82 |
| 50 | Virus Propagation and Patch Distribution in Multiplex Networks: Modeling, Analysis, and Optimal Allocation. <i>IEEE Transactions on Information Forensics and Security</i> , 2019, 14, 1755-1767. | 4.5 | 81 |
| 51 | Coveting thy neighbors fitness as a means to resolve social dilemmas. <i>Journal of Theoretical Biology</i> , 2011, 277, 19-26. | 0.8 | 79 |
| 52 | Dynamics of social contagions with heterogeneous adoption thresholds: crossover phenomena in phase transition. <i>New Journal of Physics</i> , 2016, 18, 013029. | 1.2 | 74 |
| 53 | GMM: A generalized mechanics model for identifying the importance of nodes in complex networks. <i>Knowledge-Based Systems</i> , 2020, 193, 105464. | 4.0 | 71 |
| 54 | Dynamically generated cyclic dominance in spatial prisoner's dilemma games. <i>Physical Review E</i> , 2010, 82, 036110. | 0.8 | 70 |

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|----|---|-----|-----------|
| 55 | Investigation of epidemic spreading process on multiplex networks by incorporating fatal properties. <i>Applied Mathematics and Computation</i> , 2019, 359, 512-524. | 1.4 | 69 |
| 56 | Communicating sentiment and outlook reverses inaction against collective risks. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 17650-17655. | 3.3 | 68 |
| 57 | Integrating neighborhoods in the evaluation of fitness promotes cooperation in the spatial prisoner's dilemma game. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2011, 390, 1234-1239. | 1.2 | 66 |
| 58 | Preferential imitation can invalidate targeted subsidy policies on seasonal-influenza diseases. <i>Applied Mathematics and Computation</i> , 2017, 294, 332-342. | 1.4 | 66 |
| 59 | Discontinuous Transitions and Rhythmic States in the D-Dimensional Kuramoto Model Induced by a Positive Feedback with the Global Order Parameter. <i>Physical Review Letters</i> , 2020, 125, 194101. | 2.9 | 58 |
| 60 | Influence of bolstering network reciprocity in the evolutionary spatial Prisoner's Dilemma game: a perspective. <i>European Physical Journal B</i> , 2018, 91, 1. | 0.6 | 57 |
| 61 | Coevolutionary resolution of the public goods dilemma in interdependent structured populations. <i>Europhysics Letters</i> , 2018, 124, 48003. | 0.7 | 56 |
| 62 | Scalable Graph-Based Clustering With Nonnegative Relaxation for Large Hyperspectral Image. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2019, 57, 7352-7364. | 2.7 | 56 |
| 63 | Exponential Synchronization of Delayed Memristor-Based Uncertain Complex-Valued Neural Networks for Image Protection. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2021, 32, 151-165. | 7.2 | 55 |
| 64 | Reasoning human emotional responses from large-scale social and public media. <i>Applied Mathematics and Computation</i> , 2017, 310, 182-193. | 1.4 | 54 |
| 65 | An Attention-Based BiLSTM-CRF Model for Chinese Clinic Named Entity Recognition. <i>IEEE Access</i> , 2019, 7, 113942-113949. | 2.6 | 53 |
| 66 | Towards Robust Discriminative Projections Learning via Non-Greedy ℓ_1 -Norm MinMax. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2021, 43, 2086-2100. | 9.7 | 53 |
| 67 | Evolutionary Markov Dynamics for Network Community Detection. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2022, 34, 1206-1220. | 4.0 | 52 |
| 68 | Effect of Initial Fraction of Cooperators on Cooperative Behavior in Evolutionary Prisoner's Dilemma Game. <i>PLoS ONE</i> , 2013, 8, e76942. | 1.1 | 51 |
| 69 | Incorporating Latent Constraints to Enhance Inference of Network Structure. <i>IEEE Transactions on Network Science and Engineering</i> , 2020, 7, 466-475. | 4.1 | 51 |
| 70 | Analysis of transmission dynamics for Zika virus on networks. <i>Applied Mathematics and Computation</i> , 2019, 347, 566-577. | 1.4 | 50 |
| 71 | Imitate or innovate: Competition of strategy updating attitudes in spatial social dilemma games. <i>Europhysics Letters</i> , 2018, 121, 18002. | 0.7 | 49 |
| 72 | Does being multi-headed make you better at solving problems? A survey of Physarum-based models and computations. <i>Physics of Life Reviews</i> , 2019, 29, 1-26. | 1.5 | 48 |

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|----|--|-----|-----------|
| 73 | Parameter-Free Weighted Multi-View Projected Clustering with Structured Graph Learning. IEEE Transactions on Knowledge and Data Engineering, 2020, 32, 2014-2025. | 4.0 | 48 |
| 74 | Evolutionary dynamics drives role specialization in a community of players. Journal of the Royal Society Interface, 2020, 17, 20200174. | 1.5 | 48 |
| 75 | A weighted network community detection algorithm based on deep learning. Applied Mathematics and Computation, 2021, 401, 126012. | 1.4 | 47 |
| 76 | Dynamic Coverage Control Based on k -Means. IEEE Transactions on Industrial Electronics, 2022, 69, 5333-5341. | 5.2 | 47 |
| 77 | Large Graph Clustering With Simultaneous Spectral Embedding and Discretization. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2021, 43, 4426-4440. | 9.7 | 46 |
| 78 | Evaluating fitness by integrating the highest payoff within the neighborhood promotes cooperation in social dilemmas. Physica A: Statistical Mechanics and Its Applications, 2012, 391, 6440-6447. | 1.2 | 44 |
| 79 | Aspiration-based coevolution of node weights promotes cooperation in the spatial prisoner's dilemma game. New Journal of Physics, 2019, 21, 063024. | 1.2 | 44 |
| 80 | Bounded rationality in volunteering public goods games. Journal of Theoretical Biology, 2010, 264, 19-23. | 0.8 | 43 |
| 81 | Winner-weaken-loser-strengthen rule leads to optimally cooperative interdependent networks. Nonlinear Dynamics, 2019, 96, 49-56. | 2.7 | 43 |
| 82 | Strategy changing penalty promotes cooperation in spatial prisoner's dilemma game. Chaos, Solitons and Fractals, 2012, 45, 395-401. | 2.5 | 42 |
| 83 | Delay-induced patterns in a predator-prey model on complex networks with diffusion. New Journal of Physics, 2019, 21, 073035. | 1.2 | 41 |
| 84 | Optimal estimation of low-rank factors via feature level data fusion of multiplex signal systems. IEEE Transactions on Knowledge and Data Engineering, 2020, , 1-1. | 4.0 | 41 |
| 85 | Explosive synchronization in populations of cooperative and competitive oscillators. Chaos, Solitons and Fractals, 2020, 132, 109589. | 2.5 | 41 |
| 86 | Freezing period strongly impacts the emergence of a global consensus in the voter model. Scientific Reports, 2014, 4, 3597. | 1.6 | 40 |
| 87 | A novel route to cyclic dominance in voluntary social dilemmas. Journal of the Royal Society Interface, 2020, 17, 20190789. | 1.5 | 40 |
| 88 | Spatial dynamics of an epidemic model with nonlocal infection. Applied Mathematics and Computation, 2020, 377, 125158. | 1.4 | 39 |
| 89 | Punishment in optional public goods games. Chinese Physics B, 2010, 19, 110201. | 0.7 | 38 |
| 90 | Self-adjusting rule in spatial voluntary public goods games. Europhysics Letters, 2010, 90, 20001. | 0.7 | 38 |

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| 91 | Network Community Detection Based on the <i>Physarum</i>-Inspired Computational Framework. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2018, 15, 1916-1928. | 1.9 | 38 |
| 92 | Delay-induced synchronization in two coupled chaotic memristive Hopfield neural networks. Chaos, Solitons and Fractals, 2020, 134, 109702. | 2.5 | 38 |
| 93 | AGE-RELATED PREFERENTIAL SELECTION CAN PROMOTE COOPERATION IN THE PRISONER'S DILEMMA GAME. International Journal of Modern Physics C, 2012, 23, 1250013. | 0.8 | 37 |
| 94 | Self-organized interdependence among populations promotes cooperation by means of coevolution. Chaos, 2019, 29, 013139. | 1.0 | 37 |
| 95 | Event-Triggered Control for Semiglobal Robust Consensus of a Class of Nonlinear Uncertain Multiagent Systems. IEEE Transactions on Automatic Control, 2020, 65, 1683-1690. | 3.6 | 37 |
| 96 | The robustness of multiplex networks under layer node-based attack. Scientific Reports, 2016, 6, 24304. | 1.6 | 36 |
| 97 | Functional immunization of networks based on message passing. Applied Mathematics and Computation, 2020, 366, 124728. | 1.4 | 36 |
| 98 | Physics of transportation: Towards optimal capacity using the multilayer network framework. Scientific Reports, 2016, 6, 19059. | 1.6 | 35 |
| 99 | Bounded rationality leads to equilibrium of public goods games. Physical Review E, 2009, 80, 061104. | 0.8 | 34 |
| 100 | Rich dynamics in a spatial predator-prey model with delay. Applied Mathematics and Computation, 2015, 256, 540-550. | 1.4 | 34 |
| 101 | Spatial reciprocity for discrete, continuous and mixed strategy setups. Applied Mathematics and Computation, 2015, 259, 552-568. | 1.4 | 34 |
| 102 | The role of punishment in the spatial public goods game. Nonlinear Dynamics, 2020, 102, 2959-2968. | 2.7 | 34 |
| 103 | THE IMPACT OF HUMAN LOCATION-SPECIFIC CONTACT PATTERN ON THE SIR EPIDEMIC TRANSMISSION BETWEEN POPULATIONS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2013, 23, 1350095. | 0.7 | 32 |
| 104 | Effects of external forcing on evolutionary games in complex networks. Chaos, 2018, 28, 093108. | 1.0 | 32 |
| 105 | The effect of multigame on cooperation in spatial network. Applied Mathematics and Computation, 2019, 351, 162-167. | 1.4 | 32 |
| 106 | Locating Multi-Sources in Social Networks With a Low Infection Rate. IEEE Transactions on Network Science and Engineering, 2022, 9, 1853-1865. | 4.1 | 32 |
| 107 | Multiple effects of self-protection on the spreading of epidemics. Chaos, Solitons and Fractals, 2014, 61, 1-7. | 2.5 | 31 |
| 108 | A belief-based evolutionarily stable strategy. Journal of Theoretical Biology, 2014, 361, 81-86. | 0.8 | 31 |

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|-----|---|-----|-----------|
| 109 | Effects of degree correlations on the explosive synchronization of scale-free networks. <i>Physical Review E</i> , 2015, 91, 032811. | 0.8 | 30 |
| 110 | Fixed-time synchronization of fractional order memristive MAM neural networks by sliding mode control. <i>Neurocomputing</i> , 2020, 401, 364-376. | 3.5 | 30 |
| 111 | Adaptive Reputation Promotes Trust in Social Networks. <i>IEEE Transactions on Network Science and Engineering</i> , 2021, 8, 3087-3098. | 4.1 | 30 |
| 112 | False Data Injection Attacks Detection in Smart Grid: A Structural Sparse Matrix Separation Method. <i>IEEE Transactions on Network Science and Engineering</i> , 2021, 8, 2545-2558. | 4.1 | 30 |
| 113 | Evolutionary games on simplicial complexes. <i>Chaos, Solitons and Fractals</i> , 2021, 150, 111103. | 2.5 | 30 |
| 114 | A Novel Representation Learning for Dynamic Graphs Based on Graph Convolutional Networks. <i>IEEE Transactions on Cybernetics</i> , 2023, 53, 3599-3612. | 6.2 | 30 |
| 115 | Understanding cooperative behavior of agents with heterogeneous perceptions in dynamic networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018, 509, 234-240. | 1.2 | 29 |
| 116 | Multiple Features and Isolation Forest-Based Fast Anomaly Detector for Hyperspectral Imagery. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2020, 58, 6664-6676. | 2.7 | 29 |
| 117 | Exit rights open complex pathways to cooperation. <i>Journal of the Royal Society Interface</i> , 2021, 18, 20200777. | 1.5 | 29 |
| 118 | Analysis of Epidemic Spreading Process in Adaptive Networks. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2019, 66, 1252-1256. | 2.2 | 28 |
| 119 | Minimum Dominating Set of Multiplex Networks: Definition, Application, and Identification. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021, 51, 7823-7837. | 5.9 | 28 |
| 120 | Dangerous drivers foster social dilemma structures hidden behind a traffic flow with lane changes. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2014, 2014, P11027. | 0.9 | 27 |
| 121 | Inter-layer competition in adaptive multiplex network. <i>New Journal of Physics</i> , 2018, 20, 075004. | 1.2 | 27 |
| 122 | Interactions of diffusion and nonlocal delay give rise to vegetation patterns in semi-arid environments. <i>Applied Mathematics and Computation</i> , 2021, 399, 126038. | 1.4 | 27 |
| 123 | Local and global stimuli in reinforcement learning. <i>New Journal of Physics</i> , 2021, 23, 083020. | 1.2 | 27 |
| 124 | Spontaneous scale-free structure in adaptive networks with synchronously dynamical linking. <i>Physical Review E</i> , 2013, 88, 022818. | 0.8 | 26 |
| 125 | Dilemma strength as a framework for advancing evolutionary game theory. <i>Physics of Life Reviews</i> , 2015, 14, 56-58. | 1.5 | 26 |
| 126 | The evolution of fairness in the coevolutionary ultimatum games. <i>Chaos, Solitons and Fractals</i> , 2013, 56, 13-18. | 2.5 | 25 |

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|-----|--|-----|-----------|
| 127 | Cooperation and popularity in spatial games. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2014, 414, 86-94. | 1.2 | 25 |
| 128 | An evolutionary autoencoder for dynamic community detection. <i>Science China Information Sciences</i> , 2020, 63, 1. | 2.7 | 25 |
| 129 | A novel framework of classical and quantum prisoner's dilemma games on coupled networks. <i>Scientific Reports</i> , 2016, 6, 23024. | 1.6 | 24 |
| 130 | Suppression of epidemic spreading process on multiplex networks via active immunization. <i>Chaos</i> , 2019, 29, 073111. | 1.0 | 24 |
| 131 | Turing patterns in a predator-prey model on complex networks. <i>Nonlinear Dynamics</i> , 2020, 99, 3313-3322. | 2.7 | 24 |
| 132 | SDARE: A stacked denoising autoencoder method for game dynamics network structure reconstruction. <i>Neural Networks</i> , 2020, 126, 143-152. | 3.3 | 24 |
| 133 | Networked Decision-Making Dynamics Based on Fair, Extortionate and Generous Strategies in Iterated Public Goods Games. <i>IEEE Transactions on Network Science and Engineering</i> , 2022, 9, 2450-2462. | 4.1 | 24 |
| 134 | Ãvy noise promotes cooperation in the prisoner's dilemma game with reinforcement learning. <i>Nonlinear Dynamics</i> , 2022, 108, 1837-1845. | 2.7 | 23 |
| 135 | The robustness of interdependent networks under the interplay between cascading failures and virus propagation. <i>Europhysics Letters</i> , 2016, 115, 58004. | 0.7 | 22 |
| 136 | The dynamics of cooperation in asymmetric sub-populations. <i>New Journal of Physics</i> , 2020, 22, 083015. | 1.2 | 22 |
| 137 | D-dimensional oscillators in simplicial structures: Odd and even dimensions display different synchronization scenarios. <i>Chaos, Solitons and Fractals</i> , 2021, 146, 110888. | 2.5 | 22 |
| 138 | The influence of age-driven investment on cooperation in spatial public goods games. <i>Chaos, Solitons and Fractals</i> , 2013, 54, 65-70. | 2.5 | 21 |
| 139 | Multiple effect of social influence on cooperation in interdependent network games. <i>Scientific Reports</i> , 2015, 5, 14657. | 1.6 | 21 |
| 140 | Suppressing traffic-driven epidemic spreading by adaptive routing strategy. <i>Chaos, Solitons and Fractals</i> , 2016, 93, 147-150. | 2.5 | 21 |
| 141 | Stochastic Analysis of Multiplex Boolean Networks for Understanding Epidemic Propagation. <i>IEEE Access</i> , 2018, 6, 35292-35304. | 2.6 | 21 |
| 142 | Suppressing Epidemic Spreading by Imitating Hub Nodes' Strategy. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2020, 67, 1979-1983. | 2.2 | 21 |
| 143 | Ability-based evolution promotes cooperation in interdependent graphs. <i>Europhysics Letters</i> , 2019, 127, 68002. | 0.7 | 20 |
| 144 | Dynamic Robustness Analysis for Subway Network With Spatiotemporal Characteristic of Passenger Flow. <i>IEEE Access</i> , 2020, 8, 45544-45555. | 2.6 | 20 |

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|-----|---|-----|-----------|
| 145 | Subsidy strategy based on history information can stimulate voluntary vaccination behaviors on seasonal diseases. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018, 503, 390-399. | 1.2 | 19 |
| 146 | Vaccination behavior by coupling the epidemic spreading with the human decision under the game theory. <i>Applied Mathematics and Computation</i> , 2020, 380, 125232. | 1.4 | 19 |
| 147 | Adaptive Swarm Control Within Saturated Input Based on Nonlinear Coupling Degree. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2022, 52, 4900-4911. | 5.9 | 19 |
| 148 | Fast Fuzzy Clustering Based on Anchor Graph. <i>IEEE Transactions on Fuzzy Systems</i> , 2022, 30, 2375-2387. | 6.5 | 19 |
| 149 | Swarm intelligence inspired cooperation promotion and symmetry breaking in interdependent networked game. <i>Chaos</i> , 2019, 29, 043101. | 1.0 | 18 |
| 150 | Assessing temporal-spatial characteristics of urban travel behaviors from multiday smart-card data. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2021, 576, 126058. | 1.2 | 18 |
| 151 | Suppressing epidemic spreading by risk-averse migration in dynamical networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018, 490, 347-352. | 1.2 | 18 |
| 152 | Community Detection in Graph: An Embedding Method. <i>IEEE Transactions on Network Science and Engineering</i> , 2022, 9, 689-702. | 4.1 | 18 |
| 153 | Nonsingular Practical Fixed-Time Adaptive Output Feedback Control of MIMO Nonlinear Systems. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2023, 34, 7222-7234. | 7.2 | 18 |
| 154 | Adaptive Fuzzy Tracking Control for Uncertain Nonlinear Systems With Multiple Actuators and Sensors Faults. <i>IEEE Transactions on Fuzzy Systems</i> , 2023, 31, 104-116. | 6.5 | 18 |
| 155 | Direct Reciprocity in Spatial Populations Enhances R-Reciprocity As Well As ST-Reciprocity. <i>PLoS ONE</i> , 2013, 8, e71961. | 1.1 | 17 |
| 156 | Moderate Intra-Group Bias Maximizes Cooperation on Interdependent Populations. <i>PLoS ONE</i> , 2014, 9, e88412. | 1.1 | 17 |
| 157 | Adaptive willingness resolves social dilemma in network populations. <i>Chaos</i> , 2019, 29, 113114. | 1.0 | 17 |
| 158 | Cross-diffusion on multiplex networks. <i>New Journal of Physics</i> , 2020, 22, 053047. | 1.2 | 17 |
| 159 | Recovering Network Structures Based on Evolutionary Game Dynamics via Secure Dimensional Reduction. <i>IEEE Transactions on Network Science and Engineering</i> , 2020, 7, 2027-2036. | 4.1 | 17 |
| 160 | Feature Fusion for Multimodal Emotion Recognition Based on Deep Canonical Correlation Analysis. <i>IEEE Signal Processing Letters</i> , 2021, 28, 1898-1902. | 2.1 | 17 |
| 161 | Projective synchronization of memristive multidirectional associative memory neural networks via self-triggered impulsive control and its application to image protection. <i>Chaos, Solitons and Fractals</i> , 2021, 150, 111110. | 2.5 | 17 |
| 162 | Optimal control of pattern formations for an SIR reaction-diffusion epidemic model. <i>Journal of Theoretical Biology</i> , 2022, 536, 111003. | 0.8 | 17 |

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|-----|--|-----|-----------|
| 163 | Effects of Inertia on Evolutionary Prisoner's Dilemma Game. Communications in Theoretical Physics, 2012, 58, 451-455. | 1.1 | 16 |
| 164 | Evolution of co-operation among mobile agents with different influence. Physica A: Statistical Mechanics and Its Applications, 2013, 392, 4655-4662. | 1.2 | 16 |
| 165 | Neighbor-considered migration facilitates cooperation in prisoner's dilemma games. Applied Mathematics and Computation, 2018, 323, 95-105. | 1.4 | 16 |
| 166 | Q-learning boosts the evolution of cooperation in structured population by involving extortion. Physica A: Statistical Mechanics and Its Applications, 2019, 536, 122551. | 1.2 | 16 |
| 167 | Global Reconstruction of Complex Network Topology via Structured Compressive Sensing. IEEE Systems Journal, 2021, 15, 1959-1969. | 2.9 | 15 |
| 168 | Double explosive transitions to synchronization and cooperation in intertwined dynamics and evolutionary games. New Journal of Physics, 2020, 22, 123026. | 1.2 | 15 |
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