

MarÃ-a Vela PÃ©rez

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

607
citations

1163117

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1281871

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16
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16
docs citations

16
times ranked

790
citing authors

#	ARTICLE	IF	CITATIONS
1	A simple but complex enough $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e2650" altimg="si4.svg"} \rangle \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ -SIR type model to be used with COVID-19 real data. Application to the case of Italy. <i>Physica D: Nonlinear Phenomena</i> , 2021, 421, 132839.	2.8	31
2	Modeling the impact of SARS-CoV-2 variants and vaccines on the spread of COVID-19. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2021, 102, 105937.	3.3	50
3	Prediction of Opinion Keywords and Their Sentiment Strength Score Using Latent Space Learning Methods. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 4196.	2.5	0
4	Mathematical modeling of the spread of the coronavirus disease 2019 (COVID-19) taking into account the undetected infections. The case of China. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2020, 88, 105303.	3.3	438
5	Mathematical and numerical analysis of low-grade gliomas model and the effects of chemotherapy. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2019, 72, 552-564.	3.3	8
6	Prediction of User Interest by Predicting Product Text Reviews. <i>Lecture Notes in Computer Science</i> , 2018, , 132-146.	1.3	0
7	Mathematical model for path selection by ants between nest and food source. <i>Mathematical Biosciences</i> , 2017, 285, 14-24.	1.9	0
8	LEARNING ANALYTICS TO CLASSIFY STUDENTS ACCORDING TO THEIR ACTIVITY IN MOODLE. , 2017, , .		2
9	Prediction of User Opinion for Products - A Bag-of-Words and Collaborative Filtering based Approach. , 2017, , .		3
10	From individual to collective dynamics in Argentine ants (<i>Linepithema humile</i>). <i>Mathematical Biosciences</i> , 2015, 262, 56-64.	1.9	9
11	Ant foraging and geodesic paths in labyrinths: Analytical and computational results. <i>Journal of Theoretical Biology</i> , 2013, 320, 100-112.	1.7	9
12	HYPERSTRUCTURES, A NEW APPROACH TO COMPLEX SYSTEMS. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2010, 20, 877-883.	1.7	34
13	(\tilde{r}, p, q) -vulnerabilities: A unified approach to network robustness. <i>Chaos</i> , 2009, 19, 013133.	2.5	3
14	Improvements in performance and security for complex networks. <i>International Journal of Computer Mathematics</i> , 2009, 86, 209-218.	1.8	4
15	VULNERABILITY AND FALL OF EFFICIENCY IN COMPLEX NETWORKS: A NEW APPROACH WITH COMPUTATIONAL ADVANTAGES. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2009, 19, 727-735.	1.7	8
16	A NODE-BASED MULTISCALE VULNERABILITY OF COMPLEX NETWORKS. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2009, 19, 703-710.	1.7	8