

MarÃ-a Vela PÃ©rez

List of Publications by Year in descending order

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16
papers

607
citations

1163117

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1281871

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docs citations

16
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790
citing authors

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