

Muhammad Ozair

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

329
citations

933447

10
h-index

839539

18
g-index

21
all docs

21
docs citations

21
times ranked

295
citing authors

#	ARTICLE	IF	CITATIONS
1	Hyperspectral document image processing: Applications, challenges and future prospects. Pattern Recognition, 2019, 90, 12-22.	8.1	79
2	Anomalous entities detection and localization in pedestrian flows. Neurocomputing, 2018, 290, 74-86.	5.9	48
3	Sensitivity analysis and optimal control of COVID-19 dynamics based on SEIQR model. Results in Physics, 2021, 22, 103956.	4.1	27
4	Bifurcation analysis of a discrete-time compartmental model for hypertensive or diabetic patients exposed to COVID-19. European Physical Journal Plus, 2021, 136, 853.	2.6	25
5	Automatic and Efficient Fault Detection in Rotating Machinery using Sound Signals. Acoustics Australia, 2019, 47, 125-139.	2.4	24
6	Bio-Inspired Video Enhancement for Small Moving Target Detection. IEEE Transactions on Image Processing, 2021, 30, 1232-1244.	9.8	21
7	Stability analysis of pine wilt disease model by periodic use of insecticides. Journal of Biological Dynamics, 2016, 10, 506-524.	1.7	16
8	A mathematical and parametric study of epidemiological smoking model: a deterministic stability and optimality for solutions. European Physical Journal Plus, 2021, 136, 1.	2.6	15
9	Dynamical features of pine wilt disease model with asymptotic carrier. European Physical Journal Plus, 2020, 135, 1.	2.6	11
10	A bio-inspired spatiotemporal contrast operator for small and low-heat-signature target detection in infrared imagery. Neural Computing and Applications, 2021, 33, 7311-7324.	5.6	10
11	A Mathematical and Statistical Estimation of Potential Transmission and Severity of COVID-19: A Combined Study of Romania and Pakistan. BioMed Research International, 2020, 2020, 1-14.	1.9	10
12	Charged particle dynamics in the surrounding of Schwarzschild anti-de Sitter black hole with topological defect immersed in an external magnetic field. European Physical Journal C, 2020, 80, 1.	3.9	9
13	Bio-inspired Analytical Heuristics to Study Pine Wilt Disease Model. Scientific Reports, 2020, 10, 3534.	3.3	7
14	Detecting Small Size and Minimal Thermal Signature Targets in Infrared Imagery Using Biologically Inspired Vision. Sensors, 2021, 21, 1812.	3.8	7
15	Optimal control approach based on sensitivity analysis to retrench the pine wilt disease. European Physical Journal Plus, 2021, 136, 1.	2.6	6
16	Management of pine forests by assessment of insect pests and nematodes. European Physical Journal Plus, 2021, 136, 1.	2.6	5
17	Insect-Inspired Small Moving Target Enhancement in Infrared Videos. , 2019, , .		3
18	Role of pine wilt disease based on optimal control strategy at multiple scales: A case study of Korea. Journal of Biosciences, 2021, 46, 1.	1.1	3

#	ARTICLE	IF	CITATIONS
19	Investigation from sensitivity to optimality for the transmission and detection of pine wilt disease. European Physical Journal Plus, 2022, 137, 1.	2.6	3
20	Zero group velocity longitudinal modes in an isotropic cylinder. Acta Mechanica Sinica/Lixue Xuebao, 2018, 34, 475-481.	3.4	0
21	Role of pine wilt disease based on optimal control strategy at multiple scales: A case study of Korea. Journal of Biosciences, 2021, 46, .	1.1	0