

Tijana Sustersic

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

270
citations

1163117

8
h-index

940533

16
g-index

31
all docs

31
docs citations

31
times ranked

385
citing authors

#	ARTICLE	IF	CITATIONS
1	Artificial intelligence approach toward analysis of COVID-19 developmentâ€”Personalized and epidemiological model. , 2022, , 237-269.		0
2	Automatic Evaluation of the Lung Condition of COVID-19 Patients Using X-ray Images and Convolutional Neural Networks. Journal of Personalized Medicine, 2021, 11, 28.	2.5	18
3	An Early Stage Researcher's Primer on Systems Medicine Terminology. Network and Systems Medicine, 2021, 4, 2-50.	2.5	9
4	Application of Artificial Intelligence-Based Regression Methods in the Problem of COVID-19 Spread Prediction: A Systematic Review. International Journal of Environmental Research and Public Health, 2021, 18, 4287.	2.6	35
5	An In-Silico Corrosion Model for Biomedical Applications for Coupling With In-Vitro Biocompatibility Tests for Estimation of Long-Term Effects. Frontiers in Bioengineering and Biotechnology, 2021, 9, 718026.	4.1	7
6	Artificial intelligence approach towards assessment of condition of COVID-19 patients - Identification of predictive biomarkers associated with severity of clinical condition and disease progression. Computers in Biology and Medicine, 2021, 138, 104869.	7.0	6
7	Estimation of COVID-19 Epidemiology Curve of the United States Using Genetic Programming Algorithm. International Journal of Environmental Research and Public Health, 2021, 18, 959.	2.6	10
8	FPGA implementation of fuzzy medical decision support system for disc hernia diagnosis. Computer Science and Information Systems, 2021, 18, 619-640.	1.0	0
9	Epidemiological Predictive Modeling of COVID-19 Infection: Development, Testing, and Implementation on the Population of the Benelux Union. Frontiers in Public Health, 2021, 9, 727274.	2.7	11
10	Comparative Assessment of In Vitro and In Silico Methods for Aerodynamic Characterization of Powders for Inhalation. Pharmaceutics, 2021, 13, 1831.	4.5	7
11	Comparative Assessment of Computational vs. In Vitro Methods for the Estimation of Dry Powders for Inhalation Emitted Fraction. , 2021, , .		1
12	Machine Learning-based Image Processing in Support of Discus Hernia Diagnosis. , 2021, , .		1
13	Epidemiological forecasting of COVID-19 infection using deep learning approach. , 2021, , .		1
14	An Early Disc Herniation Identification System for Advancement in the Standard Medical Screening Procedure Based on Bayes Theorem. IEEE Journal of Biomedical and Health Informatics, 2020, 24, 151-159.	6.3	7
15	Discrete Modelling of Liver Cell Aggregation Using Partial Differential Equations. IFMBE Proceedings, 2020, , 379-384.	0.3	0
16	Heart left ventricle segmentation in ultrasound images using deep learning. , 2020, , .		1
17	A comparison of classifiers in biomedical signal processing as a decision support system in disc hernia diagnosis. Computers in Biology and Medicine, 2020, 125, 103978.	7.0	4
18	A Noninvasive Assistant System in Diagnosis of Lumbar Disc Herniation. Computational and Mathematical Methods in Medicine, 2020, 2020, 1-8.	1.3	4

#	ARTICLE	IF	CITATIONS
19	Simulation of organ-on-a-chip systems. , 2020, , 753-790.		5
20	Optimization and Prediction of Ibuprofen Release from 3D DLP Printlets Using Artificial Neural Networks. <i>Pharmaceutics</i> , 2019, 11, 544.	4.5	52
21	Development of a user-Friendly Application for DICOM Image Segmentation and 3D Visualization of a Brain Tumor. , 2019, , .		0
22	Numerical simulation of electrospinning process in commercial and in-house software PAK. <i>Materials Research Express</i> , 2019, 6, 025305.	1.6	9
23	Non-invasive improved technique for lumbar discus hernia classification based on fuzzy logic. <i>Biomedizinische Technik</i> , 2019, 64, 421-428.	0.8	4
24	Implementation of Face Recognition Algorithm on Field Programmable Gate Array (FPGA). <i>Journal of Circuits, Systems and Computers</i> , 2019, 28, 1950129.	1.5	4
25	Coupled in silico platform: Computational fluid dynamics (CFD) and physiologically-based pharmacokinetic (PBPK) modelling. <i>European Journal of Pharmaceutical Sciences</i> , 2018, 113, 171-184.	4.0	28
26	In vitro Models and On-Chip Systems: Biomaterial Interaction Studies With Tissues Generated Using Lung Epithelial and Liver Metabolic Cell Lines. <i>Frontiers in Bioengineering and Biotechnology</i> , 2018, 6, 120.	4.1	38
27	MATHEMATICAL MODELLING OF POLYMER TRAJECTORY DURING ELECTROSPINNING. <i>Journal of the Serbian Society for Computational Mechanics</i> , 2018, 12, 17-38.	0.4	4
28	FPGA Implementation of Face Recognition Algorithm. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2018, , 93-99.	0.3	2
29	Finite Element Analysis of Femoral Implant Under Static Load. , 2017, , .		1
30	Application of active contours method in assessment of optimal approach trajectory to brain tumor. , 2015, , .		1