Tijana Sustersic

List of Publications by Year
in descending order

30 papers	270 citations	1162889 8 h-index	940416 16 g-index
31 all docs	31 docs citations	31 times ranked	385 citing authors

#	Article	IF	Citations
1	Optimization and Prediction of Ibuprofen Release from 3D DLP Printlets Using Artificial Neural Networks. Pharmaceutics, 2019, 11, 544.	2.0	52
2	In vitro Models and On-Chip Systems: Biomaterial Interaction Studies With Tissues Generated Using Lung Epithelial and Liver Metabolic Cell Lines. Frontiers in Bioengineering and Biotechnology, 2018, 6, 120.	2.0	38
3	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.	1.2	35
4	Coupled in silico platform: Computational fluid dynamics (CFD) and physiologically-based pharmacokinetic (PBPK) modelling. European Journal of Pharmaceutical Sciences, 2018, 113, 171-184.	1.9	28
5	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.	1.1	18
6	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.	1.3	11
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.	1.2	10
8	Numerical simulation of electrospinning process in commercial and in-house software PAK. Materials Research Express, 2019, 6, 025305.	0.8	9
9	An Early Stage Researcher's Primer on Systems Medicine Terminology. Network and Systems Medicine, 2021, 4, 2-50.	2.7	9
10	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.	3.9	7
11	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.	2.0	7
12	Comparative Assessment of In Vitro and In Silico Methods for Aerodynamic Characterization of Powders for Inhalation. Pharmaceutics, 2021, 13, 1831.	2.0	7
13	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.	3.9	6
14	Simulation of organ-on-a-chip systems. , 2020, , 753-790.		5
15	Non-invasive improved technique for lumbar discus hernia classification based on fuzzy logic. Biomedizinische Technik, 2019, 64, 421-428.	0.9	4
16	Implementation of Face Recognition Algorithm on Field Programmable Gate Array (FPGA). Journal of Circuits, Systems and Computers, 2019, 28, 1950129.	1.0	4
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.	3.9	4
18	A Noninvasive Assistant System in Diagnosis of Lumbar Disc Herniation. Computational and Mathematical Methods in Medicine, 2020, 2020, 1-8.	0.7	4

#	Article	IF	Citations
19	MATHEMATICAL MODELLING OF POLYMER TRAJECTORY DURING ELECTROSPINNING. Journal of the Serbian Society for Computational Mechanics, 2018, 12, 17-38.	0.2	4
20	FPGA Implementation of Face Recognition Algorithm. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2018, , 93-99.	0.2	2
21	Application of active contours method in assessment of optimal approach trajectory to brain tumor. , 2015, , .		1
22	Finite Element Analysis of Femoral Implant Under Static Load. , 2017, , .		1
23	Heart left ventricle segmentation in ultrasound images using deep learning. , 2020, , .		1
24	Comparative Assessment of Computational vs. In Vitro Methods for the Estimation of Dry Powders for Inhalation Emitted Fraction. , 2021, , .		1
25	Machine Learning-based Image Processing in Support of Discus Hernia Diagnosis. , 2021, , .		1
26	Epidemiological forecasting of COVID-19 infection using deep learning approach. , 2021, , .		1
27	Development of a user-Friendly Application for DICOM Image Segmentation and 3D Visualization of a Brain Tumor. , 2019, , .		0
28	Discrete Modelling of Liver Cell Aggregation Using Partial Differential Equations. IFMBE Proceedings, 2020, , 379-384.	0.2	0
29	FPGA implementation of fuzzy medical decision support system for disc hernia diagnosis. Computer Science and Information Systems, 2021, 18, 619-640.	0.7	0
30	Artificial intelligence approach toward analysis of COVID-19 developmentâ€"Personalized and epidemiological model. , 2022, , 237-269.		0