

# Tijana Sustersic

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7859280/publications.pdf>

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	Optimization and Prediction of Ibuprofen Release from 3D DLP Printlets Using Artificial Neural Networks. <i>Pharmaceutics</i> , 2019, 11, 544.	4.5	52
2	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
3	Application of Artificial Intelligence-Based Regression Methods in the Problem of COVID-19 Spread Prediction: A Systematic Review. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 4287.	2.6	35
4	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
5	Automatic Evaluation of the Lung Condition of COVID-19 Patients Using X-ray Images and Convolutional Neural Networks. <i>Journal of Personalized Medicine</i> , 2021, 11, 28.	2.5	18
6	Epidemiological Predictive Modeling of COVID-19 Infection: Development, Testing, and Implementation on the Population of the Benelux Union. <i>Frontiers in Public Health</i> , 2021, 9, 727274.	2.7	11
7	Estimation of COVID-19 Epidemiology Curve of the United States Using Genetic Programming Algorithm. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 959.	2.6	10
8	Numerical simulation of electrospinning process in commercial and in-house software PAK. <i>Materials Research Express</i> , 2019, 6, 025305.	1.6	9
9	An Early Stage Researcher's Primer on Systems Medicine Terminology. <i>Network and Systems Medicine</i> , 2021, 4, 2-50.	2.5	9
10	An Early Disc Herniation Identification System for Advancement in the Standard Medical Screening Procedure Based on Bayes Theorem. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2020, 24, 151-159.	6.3	7
11	An In-Silico Corrosion Model for Biomedical Applications for Coupling With In-Vitro Biocompatibility Tests for Estimation of Long-Term Effects. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 718026.	4.1	7
12	Comparative Assessment of In Vitro and In Silico Methods for Aerodynamic Characterization of Powders for Inhalation. <i>Pharmaceutics</i> , 2021, 13, 1831.	4.5	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. <i>Computers in Biology and Medicine</i> , 2021, 138, 104869.	7.0	6
14	Simulation of organ-on-a-chip systems. , 2020, , 753-790.		5
15	Non-invasive improved technique for lumbar disc hernia classification based on fuzzy logic. <i>Biomedizinische Technik</i> , 2019, 64, 421-428.	0.8	4
16	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
17	A comparison of classifiers in biomedical signal processing as a decision support system in disc hernia diagnosis. <i>Computers in Biology and Medicine</i> , 2020, 125, 103978.	7.0	4
18	A Noninvasive Assistant System in Diagnosis of Lumbar Disc Herniation. <i>Computational and Mathematical Methods in Medicine</i> , 2020, 2020, 1-8.	1.3	4

#	ARTICLE	IF	CITATIONS
19	MATHEMATICAL MODELLING OF POLYMER TRAJECTORY DURING ELECTROSPINNING. Journal of the Serbian Society for Computational Mechanics, 2018, 12, 17-38.	0.4	4
20	FPGA Implementation of Face Recognition Algorithm. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2018, , 93-99.	0.3	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.	0.3	0
29	FPGA implementation of fuzzy medical decision support system for disc hernia diagnosis. Computer Science and Information Systems, 2021, 18, 619-640.	1.0	0
30	Artificial intelligence approach toward analysis of COVID-19 developmentâ€”Personalized and epidemiological model. , 2022, , 237-269.		0