Roman Radil

List of Publications by Year
in descending order

28 papers	164 citations	1937457 4 h-index	1872570 6 g-index
28 all docs	28 docs citations	28 times ranked	79 citing authors

#	Article	IF	Citations
1	Numerical approach to design of low frequency magnetic field irradiation system for lab on chip experiments. , 2022, , .		0
2	Proliferative Activity of Eukaryotic Cells Affected by Extremely Low-Frequency Electromagnetic Field. , 2022, , .		2
3	Low-Frequency Magnetic Field Exposure System for Cells Electromagnetic Biocompatibility Studies. Applied Sciences (Switzerland), 2022, 12, 6846.	1.3	1
4	Investigation of Magnetic Flux Density Variation Influence on the Biological Response of Cell Cultures. , 2021, , .		0
5	Hyperparameter Tuning of ConvLSTM Network Models. , 2021, , .		5
6	Biological autoluminescence as a noninvasive monitoring tool for chemical and physical modulation of oxidation in yeast cell culture. Scientific Reports, 2021, 11, 328.	1.6	6
7	Could electromagnetic signal modulation affect biological reaction of S. Cerevisiae?. , 2020, , .		0
8	Frequency Dependent Alterations of S. Cerevisiae Proliferation Due to LF EMF Exposure. Advances in Electrical and Electronic Engineering, 2020, 18, .	0.2	9
9	Comparison of Chosen Electric and Magnetic Field Parameters Influence on Biological Samples Using Numerical Modelling and Simulation Methods. , 2020, , .		0
10	Improved Feature Point Algorithm for 3D Point Cloud Registration. , 2019, , .		10
11	Metallic Incubators in Bio-EMF Experiments â€“ Possible Source of Discrepancies Between Research Groups and Results?. , 2019, , .		0
12	Targeting Ca2+ and K+ Ions Using LF EMF to Induce Proliferation Response of S. Cerevisiae. , 2019, , .		7
13	Anatomy-Aware Spinal Cord Stimulation in Magnetotherapeutical Applications. , 2018, , .		0
14	Proof of Concept EMG-Controlled Prosthetic Hand System - An Overview. , 2018, , .		4
15	Role of magnetic flux density in LF EMF experiments targeting Ca²⁺, Na⁺ and K⁺ ions. , 2018, , .		2
16	Low frequency electromagnetic field treatment of yeast cells targeting specific ion channels. , 2018, , .		2
17	Investigation of low frequency electromagnetic field (0â€“2kHz) excitation signal shape influence on Saccharomyces cerevisiae cell counts. , 2017, , .		1
18	A New Method for Face Recognition Using Convolutional Neural Network. Advances in Electrical and Electronic Engineering, 2017, 15, .	0.2	58

#	Article	IF	Citations
19	Reduced viability of two prokaryotic organisms treated by low frequency electromagnetic field. , 2016, , .		2
20	Modification ofS. cerevisiaeGrowth Dynamics Using Low Frequency Electromagnetic Fields in the 1-2â€‰kHz Range. BioMed Research International, 2015, 2015, 1-5.	0.9	14
21	An Efficient P-KCCA Algorithm for 2D-3D Face Recognition Using SVM. Advances in Electrical and Electronic Engineering, 2015, 13, .	0.2	0
22	Inovative possibility of small metal biomarker detection implanted into a human bone. , 2014, , .		0
23	3D image reconstruction from 2D CT slices. , 2014, , .		14
24	Image processing and feature extraction of circular objects from biological images. , 2013, , .		1
25	Computer-assisted analysis of spinal curvature parameters from CT images. , 2012, , .		2
26	Investigation of low frequency electromagnetic field influence on cell proliferation process. , 2012, , .		7
27	Analysis, 3D Reconstruction and Anatomical Feature Extraction from Medical Images. , 2012, , .		7
28	Evidence of S. Cerevisiae Proliferation Rate Control via Exogenous Low Frequency Electromagnetic Fields. Lecture Notes in Computer Science, 2012, , 295-303.	1.0	10