

# Roman Radil

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6168125/publications.pdf>

Version: 2024-02-01

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	A New Method for Face Recognition Using Convolutional Neural Network. <i>Advances in Electrical and Electronic Engineering</i> , 2017, 15, .	0.2	58
2	3D image reconstruction from 2D CT slices. , 2014, , .		14
3	Modification of <i>S. cerevisiae</i> Growth Dynamics Using Low Frequency Electromagnetic Fields in the 1-2kHz Range. <i>BioMed Research International</i> , 2015, 2015, 1-5.	0.9	14
4	Evidence of <i>S. Cerevisiae</i> Proliferation Rate Control via Exogenous Low Frequency Electromagnetic Fields. <i>Lecture Notes in Computer Science</i> , 2012, , 295-303.	1.0	10
5	Improved Feature Point Algorithm for 3D Point Cloud Registration. , 2019, , .		10
6	Frequency Dependent Alterations of <i>S. Cerevisiae</i> Proliferation Due to LF EMF Exposure. <i>Advances in Electrical and Electronic Engineering</i> , 2020, 18, .	0.2	9
7	Investigation of low frequency electromagnetic field influence on cell proliferation process. , 2012, , .		7
8	Analysis, 3D Reconstruction and Anatomical Feature Extraction from Medical Images. , 2012, , .		7
9	Targeting Ca <sup>2+</sup> and K <sup>+</sup> Ions Using LF EMF to Induce Proliferation Response of <i>S. Cerevisiae</i> . , 2019, , .		7
10	Biological autoluminescence as a noninvasive monitoring tool for chemical and physical modulation of oxidation in yeast cell culture. <i>Scientific Reports</i> , 2021, 11, 328.	1.6	6
11	Hyperparameter Tuning of ConvLSTM Network Models. , 2021, , .		5
12	Proof of Concept EMG-Controlled Prosthetic Hand System - An Overview. , 2018, , .		4
13	Computer-assisted analysis of spinal curvature parameters from CT images. , 2012, , .		2
14	Reduced viability of two prokaryotic organisms treated by low frequency electromagnetic field. , 2016, , .		2
15	Role of magnetic flux density in LF EMF experiments targeting Ca <sup>2+</sup> , Na <sup>+</sup> and K <sup>+</sup> ions. , 2018, , .		2
16	Low frequency electromagnetic field treatment of yeast cells targeting specific ion channels. , 2018, , .		2
17	Proliferative Activity of Eukaryotic Cells Affected by Extremely Low-Frequency Electromagnetic Field. , 2022, , .		2
18	Image processing and feature extraction of circular objects from biological images. , 2013, , .		1

#	ARTICLE	IF	CITATIONS
19	Investigation of low frequency electromagnetic field (0â€“2kHz) excitation signal shape influence on Saccharomyces cerevisiae cell counts. , 2017, , .		1
20	Low-Frequency Magnetic Field Exposure System for Cells Electromagnetic Biocompatibility Studies. Applied Sciences (Switzerland), 2022, 12, 6846.	1.3	1
21	Inovative possibility of small metal biomarker detection implanted into a human bone. , 2014, , .		0
22	Anatomy-Aware Spinal Cord Stimulation in Magnetotherapeutical Applications. , 2018, , .		0
23	Metallic Incubators in Bio-EMF Experiments â€“ Possible Source of Discrepancies Between Research Groups and Results?. , 2019, , .		0
24	Investigation of Magnetic Flux Density Variation Influence on the Biological Response of Cell Cultures. , 2021, , .		0
25	An Efficient P-KCCA Algorithm for 2D-3D Face Recognition Using SVM. Advances in Electrical and Electronic Engineering, 2015, 13, .	0.2	0
26	Could electromagnetic signal modulation affect biological reaction of S. Cerevisiae?. , 2020, , .		0
27	Comparison of Chosen Electric and Magnetic Field Parameters Influence on Biological Samples Using Numerical Modelling and Simulation Methods. , 2020, , .		0
28	Numerical approach to design of low frequency magnetic field irradiation system for lab on chip experiments. , 2022, , .		0