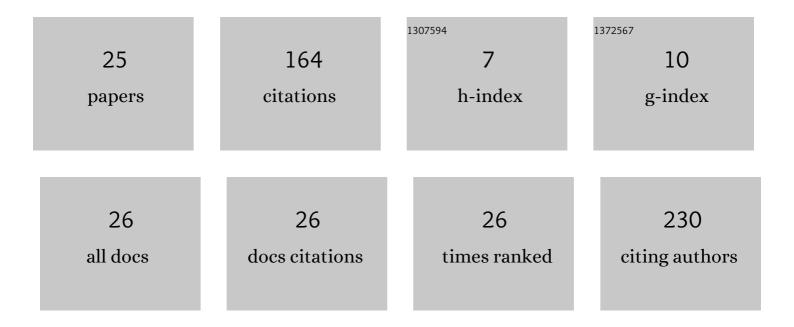
Mehrdad Saviz

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/3317666/publications.pdf Version: 2024-02-01



Μεμράλα δλυίζ

| # | Article | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Group and individual level variations between symmetric and asymmetric DLPFC montages for tDCS over large scale brain network nodes. Scientific Reports, 2021, 11, 1271. | 3.3 | 20 |
| 2 | A Multiscale Approach to Terahertz Electric Field Estimation in Corneal Tissues. IEEE Journal on Multiscale and Multiphysics Computational Techniques, 2020, 5, 167-175. | 2.2 | 1 |
| 3 | Effects of circularly-polarized electromagnetic fields on solvated hemoglobin structure. Journal of Molecular Liquids, 2020, 312, 113283. | 4.9 | 5 |
| 4 | An In Vitro Electric Field Exposure Device with Real-Time Cell Impedance Sensing. Iranian Journal of Science and Technology, Transaction A: Science, 2020, 44, 575-585. | 1.5 | 1 |
| 5 | Morphological Changes Induced By Extremely Lowâ€Frequency Electric Fields. Bioelectromagnetics, 2019, 40, 375-390. | 1.6 | 3 |
| 6 | Optimal currents for electrical stimulation of bone fracture repair: A computational analysis including variations in frequency, tissue properties, and fracture morphology. Bioelectromagnetics, 2019, 40, 128-135. | 1.6 | 5 |
| 7 | Thermal Impact on the Human Oral Cavity Exposed to Radiation from Biomedical Devices Operating in the Terahertz Frequency Range. Journal of Infrared, Millimeter, and Terahertz Waves, 2018, 39, 926-941. | 2.2 | 5 |
| 8 | Comments on "Wideband Skin-Equivalent Phantom for V- and W-Band― IEEE Antennas and Wireless Propagation Letters, 2017, 16, 3257-3257. | 4.0 | 2 |
| 9 | Steady state behavior of a finite rodlike macromolecule in salt free solution. Results in Physics, 2017, 7, 2658-2662. | 4.1 | 1 |
| 10 | An electrical bio-chip to transfer and detect electromagnetic stimulation on the cells based on vertically aligned carbon nanotubes. Materials Science and Engineering C, 2017, 70, 681-688. | 7.3 | 5 |
| 11 | Voltage Transfer Functions for in-Vitro Cell Stimulation: A Computational Study. , 2017, , . | | 0 |
| 12 | Steps towards an integrated platform for computational microdosimetry: From realistic cell shape modeling to electric field distributions. , 2016, , . | | 0 |
| 13 | Numerical Verification of the Applicability of the Effective Medium Theory With Respect to Dielectric Properties of Biological Tissue. IEEE Transactions on Magnetics, 2015, 51, 1-4. | 2.1 | 4 |
| 14 | Numerical Computation of Temperature Elevation in Human Skin Due to Electromagnetic Exposure in the THz Frequency Range. IEEE Transactions on Terahertz Science and Technology, 2015, 5, 978-989. | 3.1 | 8 |
| 15 | Characterization of low-cost tissue mimicking materials at millimeter-wave frequencies. , 2015, , . | | 3 |
| 16 | Dielectric properties estimation of normal and malignant skin tissues at millimeter-wave frequencies using effective medium theory. , 2014, , . | | 27 |
| 17 | Theoretical and experimental broadband tissueâ€equivalent phantoms at microwave and millimetreâ€wave frequencies. Electronics Letters, 2014, 50, 618-620. | 1.0 | 17 |
| 18 | Realistic cell and organelle shape modeling for computational bioengineering: A new open-source toolbox. , 2014, , . | | 2 |

Mehrdad Saviz

| # | Article | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Simplified estimation of membrane potentials induced by high-frequency electric signals. Journal of Electrical Bioimpedance, 2014, 5, 9-13. | 0.9 | 2 |
| 20 | Effects of 940 MHz EMF on luciferase solution: Structure, function, and dielectric studies. Bioelectromagnetics, 2013, 34, 489-498. | 1.6 | 15 |
| 21 | A New Open-Source Toolbox for Estimating the Electrical Properties of Biological Tissues in the Terahertz Frequency band. Journal of Infrared, Millimeter, and Terahertz Waves, 2013, 34, 529-538. | 2.2 | 10 |
| 22 | Theoretical Estimations of Safety Thresholds for Terahertz Exposure of Surface Tissues. IEEE Transactions on Terahertz Science and Technology, 2013, 3, 635-640. | 3.1 | 11 |
| 23 | A THEORETICAL MODEL FOR THE FREQUENCY-DEPENDENT DIELECTRIC PROPERTIES OF CORNEAL TISSUE AT MICROWAVE FREQUENCIES. Progress in Electromagnetics Research, 2013, 137, 389-406. | 4.4 | 9 |
| 24 | Attempts for exposure assessment in the THz-frequency range using numerical computations. , 2012, , . | | 5 |
| 25 | Meixner's edge condition revisited for negative permittivity materials. , 2011, , . | | 3 |