

Paolo Ravazzani

List of Publications by Year in descending order

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167
papers

9,991
citations

94269

37
h-index

38300

95
g-index

169
all docs

169
docs citations

169
times ranked

8130
citing authors

#	ARTICLE	IF	CITATIONS
1	Transcranial direct current stimulation: State of the art 2008. <i>Brain Stimulation</i> , 2008, 1, 206-223.	0.7	2,538
2	Evidence-based guidelines on the therapeutic use of transcranial direct current stimulation (tDCS). <i>Clinical Neurophysiology</i> , 2017, 128, 56-92.	0.7	1,213
3	Clinical research with transcranial direct current stimulation (tDCS): Challenges and future directions. <i>Brain Stimulation</i> , 2012, 5, 175-195.	0.7	1,122
4	Brain polarization in humans: a reappraisal of an old tool for prolonged non-invasive modulation of brain excitability. <i>Clinical Neurophysiology</i> , 2003, 114, 589-595.	0.7	414
5	Repetitive transcranial magnetic stimulation or transcranial direct current stimulation?. <i>Brain Stimulation</i> , 2009, 2, 241-245.	0.7	228
6	Cerebellar Transcranial Direct Current Stimulation (ctDCS). <i>Neuroscientist</i> , 2016, 22, 83-97.	2.6	177
7	Cerebellum and processing of negative facial emotions: Cerebellar transcranial DC stimulation specifically enhances the emotional recognition of facial anger and sadness. <i>Cognition and Emotion</i> , 2012, 26, 786-799.	1.2	157
8	Transcranial cerebellar direct current stimulation (tcDCS): Motor control, cognition, learning and emotions. <i>NeuroImage</i> , 2014, 85, 918-923.	2.1	146
9	Modulating Human Procedural Learning by Cerebellar Transcranial Direct Current Stimulation. <i>Cerebellum</i> , 2013, 12, 485-492.	1.4	142
10	Effect of spinal transcutaneous direct current stimulation on somatosensory evoked potentials in humans. <i>Clinical Neurophysiology</i> , 2008, 119, 2636-2640.	0.7	139
11	Modelling the electric field and the current density generated by cerebellar transcranial DC stimulation in humans. <i>Clinical Neurophysiology</i> , 2014, 125, 577-584.	0.7	133
12	Time-frequency distributions of click-evoked otoacoustic emissions. <i>Hearing Research</i> , 1997, 106, 112-122.	0.9	114
13	Electromagnetic field exposure assessment in Europe radiofrequency fields (10â€‰MHzâ€‰â€“6â€‰GHz). <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2015, 25, 37-44.	1.8	114
14	Cerebellar tDCS: How to Do It. <i>Cerebellum</i> , 2015, 14, 27-30.	1.4	114
15	Transcranial cerebellar direct current stimulation and transcutaneous spinal cord direct current stimulation as innovative tools for neuroscientists. <i>Journal of Physiology</i> , 2014, 592, 3345-3369.	1.3	110
16	Transcranial Direct Current Stimulation: Estimation of the Electric Field and of the Current Density in an Anatomical Human Head Model. <i>IEEE Transactions on Biomedical Engineering</i> , 2011, 58, 1773-1780.	2.5	109
17	Transcutaneous spinal cord direct current stimulation inhibits the lower limb nociceptive flexion reflex in human beings. <i>Pain</i> , 2011, 152, 370-375.	2.0	106
18	Magnetic stimulation of the nervous system: Induced electric field in unbounded, semi-infinite, spherical, and cylindrical media. <i>Annals of Biomedical Engineering</i> , 1996, 24, 606-616.	1.3	91

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19	A Consensus Panel Review of Central Nervous System Effects of the Exposure to Low-Intensity Extremely Low-Frequency Magnetic Fields. <i>Brain Stimulation</i> , 2013, 6, 469-476.	0.7	85
20	Potential health impacts of residential exposures to extremely low frequency magnetic fields in Europe. <i>Environment International</i> , 2014, 62, 55-63.	4.8	80
21	Modeling the current density generated by transcutaneous spinal direct current stimulation (tsDCS). <i>Clinical Neurophysiology</i> , 2014, 125, 2260-2270.	0.7	77
22	Open ear hearing aids in tinnitus therapy: An efficacy comparison with sound generators. <i>International Journal of Audiology</i> , 2011, 50, 548-553.	0.9	76
23	Transcutaneous Spinal Direct Current Stimulation. <i>Frontiers in Psychiatry</i> , 2012, 3, 63.	1.3	76
24	Deep Transcranial Magnetic Stimulation: Modeling of Different Coil Configurations. <i>IEEE Transactions on Biomedical Engineering</i> , 2016, 63, 1543-1550.	2.5	76
25	Transverse-field activation mechanism in magnetic stimulation of peripheral nerves. <i>Electroencephalography and Clinical Neurophysiology - Electromyography and Motor Control</i> , 1996, 101, 167-174.	1.4	74
26	Radio Frequency Electromagnetic Fields Exposure Assessment in Indoor Environments: A Review. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 955.	1.2	72
27	Transcutaneous spinal direct current stimulation modulates human corticospinal system excitability. <i>Journal of Neurophysiology</i> , 2015, 114, 440-446.	0.9	69
28	Cerebellar transcranial direct current stimulation in neurological disease. <i>Cerebellum and Ataxias</i> , 2016, 3, 16.	1.9	66
29	Wavelet analysis of click-evoked otoacoustic emissions. <i>IEEE Transactions on Biomedical Engineering</i> , 1998, 45, 686-697.	2.5	64
30	Review of Studies Concerning Electromagnetic Field (EMF) Exposure Assessment in Europe: Low Frequency Fields (50 Hzâ€“100 kHz). <i>International Journal of Environmental Research and Public Health</i> , 2016, 13, 875.	1.2	58
31	Magnetic stimulation of the motor cortex-theoretical considerations. <i>IEEE Transactions on Biomedical Engineering</i> , 1991, 38, 180-191.	2.5	57
32	Transcranial direct current stimulation for hyperactivity and noncompliance in autistic disorder. <i>World Journal of Biological Psychiatry</i> , 2015, 16, 361-366.	1.3	50
33	Electric field and current density distribution in an anatomical head model during transcranial direct current stimulation for tinnitus treatment. <i>Bioelectromagnetics</i> , 2012, 33, 476-487.	0.9	48
34	Cerebellar direct current stimulation modulates pain perception in humans. <i>Restorative Neurology and Neuroscience</i> , 2015, 33, 597-609.	0.4	47
35	A Low Frequency Electromagnetic Sensor for Indirect Measurement of Glucose Concentration: In Vitro Experiments in Different Conductive Solutions. <i>Sensors</i> , 2010, 10, 5346-5358.	2.1	44
36	Influence on the mechanisms of generation of distortion product otoacoustic emissions of mobile phone exposure. <i>Hearing Research</i> , 2005, 208, 68-78.	0.9	42

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37	Cerebellar and Spinal Direct Current Stimulation in Children: Computational Modeling of the Induced Electric Field. <i>Frontiers in Human Neuroscience</i> , 2016, 10, 522.	1.0	41
38	Quantitative analysis of cochlear active mechanisms in tinnitus subjects with normal hearing sensitivity: multiparametric recording of evoked otoacoustic emissions and contralateral suppression. <i>Auris Nasus Larynx</i> , 2010, 37, 291-298.	0.5	39
39	Spinal Direct Current Stimulation Modulates Short Intracortical Inhibition. <i>Neuromodulation</i> , 2015, 18, 686-693.	0.4	37
40	Theory of multichannel magnetic stimulation: toward functional neuromuscular rehabilitation. <i>IEEE Transactions on Biomedical Engineering</i> , 1999, 46, 646-651.	2.5	36
41	Cochlear maturation and otoacoustic emissions in preterm infants: a time-frequency approach. <i>Hearing Research</i> , 2005, 199, 71-80.	0.9	35
42	Malignancies and Biosensors: A Focus on Oral Cancer Detection through Salivary Biomarkers. <i>Biosensors</i> , 2021, 11, 396.	2.3	32
43	Electromagnetic fields produced by GSM cellular phones and heart rate variability. <i>Bioelectromagnetics</i> , 2007, 28, 122-129.	0.9	31
44	Extremely low-frequency magnetic fields and risk of childhood leukemia: A risk assessment by the ARIMMORA consortium. <i>Bioelectromagnetics</i> , 2016, 37, 183-189.	0.9	31
45	Effects of 900 MHz electromagnetic fields exposure on cochlear cells' functionality in rats: Evaluation of distortion product otoacoustic emissions. <i>Bioelectromagnetics</i> , 2005, 26, 536-547.	0.9	30
46	Cerebellar Transcranial Direct Current Stimulation (ctDCS) Ameliorates Phantom Limb Pain and Non-painful Phantom Limb Sensations. <i>Cerebellum</i> , 2019, 18, 527-535.	1.4	29
47	Evoked otoacoustic emissions: nonlinearities and response interpretation. <i>IEEE Transactions on Biomedical Engineering</i> , 1993, 40, 500-504.	2.5	28
48	Otoacoustic emission latency, cochlear tuning, and hearing functionality in neonates. <i>Journal of the Acoustical Society of America</i> , 2005, 118, 1576-1584.	0.5	28
49	Quantitative analysis of cochlear active mechanisms in tinnitus subjects with normal hearing sensitivity: Time-frequency analysis of transient evoked otoacoustic emissions and contralateral suppression. <i>Auris Nasus Larynx</i> , 2011, 38, 33-40.	0.5	27
50	An analytical model to predict the electric field and excitation zones due to magnetic stimulation of peripheral nerves. <i>IEEE Transactions on Biomedical Engineering</i> , 1995, 42, 158-161.	2.5	26
51	A volume-conduction analysis of magnetic stimulation of peripheral nerves. <i>IEEE Transactions on Biomedical Engineering</i> , 1996, 43, 669-678.	2.5	26
52	COMPUTATIONAL MODELING OF TRANSCRANIAL DIRECT CURRENT STIMULATION IN THE CHILD BRAIN: IMPLICATIONS FOR THE TREATMENT OF REFRACTORY CHILDHOOD FOCAL EPILEPSY. <i>International Journal of Neural Systems</i> , 2014, 24, 1430006.	3.2	26
53	3-D acquisition and quantitative measurements of anatomical parts by optical scanning and image reconstruction from unorganized range data. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2003, 52, 1665-1673.	2.4	25
54	Effects of mobile phone exposure on time frequency fine structure of transiently evoked otoacoustic emissions. <i>Journal of the Acoustical Society of America</i> , 2007, 122, 2174-2182.	0.5	25

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55	Effects of GSM Cellular Phones on Human Hearing: The European Project "GUARD". Radiation Research, 2007, 168, 608-613.	0.7	25
56	Modeling of the Internal Fields Distribution in Human Inner Hearing System Exposed to 900 and 1800 MHz. IEEE Transactions on Biomedical Engineering, 2007, 54, 39-48.	2.5	25
57	Electric field estimation of deep transcranial magnetic stimulation clinically used for the treatment of neuropsychiatric disorders in anatomical head models. Medical Engineering and Physics, 2017, 43, 30-38.	0.8	25
58	Assessment of Fetal Exposure to 4G LTE Tablet in Realistic Scenarios: Effect of Position, Gestational Age, and Frequency. IEEE Journal of Electromagnetics, RF and Microwaves in Medicine and Biology, 2017, 1, 26-33.	2.3	25
59	Moving Beyond the Brain: Transcutaneous Spinal Direct Current Stimulation in Post-Stroke Aphasia. Frontiers in Neurology, 2017, 8, 400.	1.1	24
60	SAR exposure from UHF RFID reader in adult, child, pregnant woman, and fetus anatomical models. Bioelectromagnetics, 2013, 34, 443-452.	0.9	23
61	Dosimetric study of fetal exposure to uniform magnetic fields at 50%Hz. Bioelectromagnetics, 2014, 35, 580-597.	0.9	23
62	"Derived Nonlinear" versus "Linear" Click-evoked Otoacoustic Emissions. International Journal of Audiology, 1996, 35, 73-86.	0.9	22
63	Functional magnetic stimulation: theory and coil optimization. Bioelectrochemistry, 1998, 47, 213-219.	1.0	22
64	No Effects of Acute Exposure to Wi-Fi Electromagnetic Fields on Spontaneous EEG Activity and Psychomotor Vigilance in Healthy Human Volunteers. Radiation Research, 2015, 184, 568-577.	0.7	22
65	Electromagnetic Fields from Mobile Phones do not Affect the Inner Auditory System of Sprague-Dawley Rats. Radiation Research, 2005, 164, 798-804.	0.7	20
66	Effect of the Interindividual Variability on Computational Modeling of Transcranial Direct Current Stimulation. Computational Intelligence and Neuroscience, 2015, 2015, 1-9.	1.1	20
67	Use of Machine Learning in the Analysis of Indoor ELF MF Exposure in Children. International Journal of Environmental Research and Public Health, 2019, 16, 1230.	1.2	20
68	Design of hearing aid shells by three dimensional laser scanning and mesh reconstruction. Journal of Biomedical Optics, 2004, 9, 835.	1.4	19
69	Stochastic Dosimetry Based on Low Rank Tensor Approximations for the Assessment of Children Exposure to WLAN Source. IEEE Journal of Electromagnetics, RF and Microwaves in Medicine and Biology, 2018, 2, 131-137.	2.3	19
70	Deep Transcranial Magnetic Stimulation for the Addiction Treatment: Electric Field Distribution Modeling. IEEE Journal of Electromagnetics, RF and Microwaves in Medicine and Biology, 2018, 2, 242-248.	2.3	19
71	A fast and reliable system for 3D surface acquisition and reconstruction. Image and Vision Computing, 2003, 21, 295-305.	2.7	18
72	Effects of UMTS Cellular Phones on Human Hearing: Results of the European Project "EMFnEAR". Radiation Research, 2009, 172, 244-251.	0.7	18

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73	Evaluation of the current density in the brainstem during transcranial direct current stimulation with extra-cephalic reference electrode. <i>Clinical Neurophysiology</i> , 2013, 124, 1039-1040.	0.7	18
74	Numerical Estimation of the Current Density in the Heart During Transcranial Direct Current Stimulation. <i>Brain Stimulation</i> , 2013, 6, 457-459.	0.7	18
75	Modelling of the Electric Field Distribution in Deep Transcranial Magnetic Stimulation in the Adolescence, in the Adulthood, and in the Old Age. <i>Computational and Mathematical Methods in Medicine</i> , 2016, 2016, 1-9.	0.7	18
76	Original Article: Comparison of two methods of TEOAE recording in newborn hearing screening: La comparaci3n de dos m3todos de registro de TEOAE en la identificati3n de problemas auditivos en reci3n nacidos. <i>International Journal of Audiology</i> , 2002, 41, 267-270.	0.9	17
77	Study of the Influence of the Orientation of a 50-Hz Magnetic Field on Fetal Exposure Using Polynomial Chaos Decomposition. <i>International Journal of Environmental Research and Public Health</i> , 2015, 12, 5934-5953.	1.2	17
78	The electric field distributions in anatomical head models during transcranial direct current stimulation for post-stroke rehabilitation. <i>Medical Physics</i> , 2017, 44, 262-271.	1.6	17
79	Frequency-related effects in the optimization of coils for the magnetic stimulation of the nervous system. <i>IEEE Transactions on Biomedical Engineering</i> , 2002, 49, 463-471.	2.5	16
80	Three-Dimensional Reconstruction and Image Processing in Mandibular Distraction Planning. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2006, 55, 1959-1964.	2.4	16
81	Analysis of personal and bedroom exposure to ELF-MFs in children in Italy and Switzerland. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2016, 26, 586-596.	1.8	16
82	A mathematical model for the computation of the forces exerted by the facial orthopedic mask. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 1992, 101, 441-448.	0.8	15
83	Frequency-specific Information from Click Evoked Otoacoustic Emissions in Noise-induced Hearing Loss. <i>International Journal of Audiology</i> , 1999, 38, 243-250.	0.9	15
84	Data processing options and response scoring for OAE-based newborn hearing screening. <i>Journal of the Acoustical Society of America</i> , 2001, 109, 283-290.	0.5	15
85	Click-evoked otoacoustic emissions recorded from untreated congenital hypothyroid newborns. <i>Hearing Research</i> , 2002, 166, 136-142.	0.9	15
86	Temperature Increase in the Fetus Exposed to UHF RFID Readers. <i>IEEE Transactions on Biomedical Engineering</i> , 2014, 61, 2011-2019.	2.5	15
87	Evaluation of Click Evoked Otoacoustic Emissions in Newborns: Effects of Time-windowing. <i>International Journal of Audiology</i> , 1999, 38, 127-134.	0.9	14
88	Absence of Short-Term Effects of UMTS Exposure on the Human Auditory System. <i>Radiation Research</i> , 2010, 173, 91-97.	0.7	14
89	Sodium Concentration Measurement during Hemodialysis through Ion-Exchange Resin and Conductivity Measure Approach: In Vitro Experiments. <i>PLoS ONE</i> , 2013, 8, e69227.	1.1	14
90	Influence of tissue conductivity on foetal exposure to extremely low frequency magnetic fields at 50 Hz using stochastic dosimetry. <i>PLoS ONE</i> , 2018, 13, e0192131.	1.1	14

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91	Two-dimensional filter to facilitate detection of transient-evoked otoacoustic emissions. IEEE Transactions on Biomedical Engineering, 1998, 45, 1089-1096.	2.5	13
92	Numerical Modeling and Experimental Measurements of the Electric Potential Generated by Cochlear Implants in Physiological Tissues. IEEE Transactions on Instrumentation and Measurement, 2007, 56, 187-193.	2.4	13
93	Assessment of Foetal Exposure to the Homogeneous Magnetic Field Harmonic Spectrum Generated by Electricity Transmission and Distribution Networks. International Journal of Environmental Research and Public Health, 2015, 12, 3667-3690.	1.2	13
94	Urban Intelligence: a Modular, Fully Integrated, and Evolving Model for Cities Digital Twinning. , 2019, , .		13
95	Optimal Band Pass Filtering of Transient Evoked Otoacoustic Emissions in Neonates. International Journal of Audiology, 1999, 38, 69-74.	0.9	12
96	Nonlinear heart rate variability measures under electromagnetic fields produced by GSM cellular phones. Electromagnetic Biology and Medicine, 2013, 32, 173-181.	0.7	12
97	Assessment of SAR in the tissues near a cochlear implant exposed to radiofrequency electromagnetic fields. Physics in Medicine and Biology, 2009, 54, N135-N141.	1.6	11
98	Electroimpedance Spectroscopy for the Measurement of the Dielectric Properties of Sodium Chloride Solutions at Different Glucose Concentrations. Journal of Spectroscopy, 2013, 2013, 1-6.	0.6	11
99	Children's Personal Exposure Measurements to Extremely Low Frequency Magnetic Fields in Italy. International Journal of Environmental Research and Public Health, 2016, 13, 549.	1.2	11
100	Numerical Assessment of RF Human Exposure in Smart Mobility Communications. IEEE Journal of Electromagnetics, RF and Microwaves in Medicine and Biology, 2021, 5, 100-107.	2.3	11
101	Effects of Transcutaneous Spinal Direct Current Stimulation (tsDCS) in Patients With Chronic Pain: A Clinical and Neurophysiological Study. Frontiers in Neurology, 2021, 12, 695910.	1.1	11
102	Magnetic stimulation of peripheral nerves: computation of the induced electric field in a cylinder-like structure. Advances in Engineering Software, 1995, 22, 29-35.	1.8	10
103	Principal component analysis as a method to facilitate fast detection of transient-evoked otoacoustic emissions. IEEE Transactions on Biomedical Engineering, 2003, 50, 249-252.	2.5	10
104	Measurement of Electrode Current Pulses From Cochlear Implants. IEEE Transactions on Instrumentation and Measurement, 2005, 54, 2105-2112.	2.4	10
105	A Numerical Study to Compare Stimulations by Intraoperative Microelectrodes and Chronic Macroelectrodes in the DBS Technique. BioMed Research International, 2013, 2013, 1-7.	0.9	10
106	Stochastic Dosimetry for the Assessment of Children Exposure to Uniform 50%Hz Magnetic Field with Uncertain Orientation. BioMed Research International, 2017, 2017, 1-14.	0.9	10
107	Frequency and temporal analysis of contralateral acoustic stimulation on evoked otoacoustic emissions in humans. Hearing Research, 2000, 145, 52-58.	0.9	9
108	Possible Combined Effects of 900 MHZ Continuous-Wave Electromagnetic Fields and Gentamicin on the Auditory System of Rats. Radiation Research, 2007, 167, 600-605.	0.7	9

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109	Gradient-Vector-Flow Snake Method for Quantitative Image Reconstruction Applied to Mandibular Distraction Surgery. IEEE Transactions on Instrumentation and Measurement, 2009, 58, 2087-2093.	2.4	9
110	Assessment of the exposure to WLAN frequencies of a head model with a cochlear implant. Bioelectromagnetics, 2010, 31, 546-555.	0.9	9
111	Micro vs macro electrode DBS stimulation: A dosimetric study. , 2010, 2010, 2057-60.		9
112	Computational exposure assessment of electromagnetic fields generated by an RFID system for mother-newborn identity reconfirmation. Bioelectromagnetics, 2011, 32, 408-416.	0.9	9
113	Cluster Analysis of Residential Personal Exposure to ELF Magnetic Field in Children: Effect of Environmental Variables. International Journal of Environmental Research and Public Health, 2019, 16, 4363.	1.2	9
114	Children exposure to femtocell in indoor environments estimated by sparse low-rank tensor approximations. Annales Des Telecommunications/Annals of Telecommunications, 2019, 74, 113-121.	1.6	9
115	Influence of Low Frequency Near-Field Sources Position on the Assessment of Children Exposure Variability Using Stochastic Dosimetry. IEEE Journal of Electromagnetics, RF and Microwaves in Medicine and Biology, 2020, 4, 179-186.	2.3	9
116	Use of Machine Learning for the Estimation of Downâ€•and Upâ€•Link Field Exposure in Multiâ€•Source Indoor WiFi Scenarios. Bioelectromagnetics, 2021, 42, 550-561.	0.9	9
117	Exposure setup to study potential adverse effects at GSM 1800 and UMTS frequencies on the auditory systems of rats. Radiation Protection Dosimetry, 2007, 123, 473-482.	0.4	8
118	Biomedical Signal and Image Processing. IEEE Pulse, 2011, 2, 41-54.	0.1	8
119	Computational model of cerebellar transcranial direct current stimulation. , 2013, 2013, 237-40.		8
120	Cerebellar direct current stimulation modulates hand blink reflex: implications for defensive behavior in humans. Physiological Reports, 2018, 6, e13471.	0.7	8
121	Characterization of Childrenâ€™s Exposure to Extremely Low Frequency Magnetic Fields by Stochastic Modeling. International Journal of Environmental Research and Public Health, 2018, 15, 1963.	1.2	7
122	Survey of Exposure to RF Electromagnetic Fields in the Connected Car. IEEE Access, 2022, 10, 47764-47781.	2.6	7
123	Time-frequency analysis of neonatal click-evoked otoacoustic emissions. Scandinavian Audiology, 2001, 30, 135-137.	0.5	6
124	Speech Processing for Cochlear Implants with the Discrete Wavelet Transform: Feasibility Study and Performance Evaluation. , 2006, 2006, 3763-6.		6
125	RFID system for newborn identity reconfirmation in hospital: Exposure assessment of a realistic newborn model and effects of the change of the dielectric properties with age. Progress in Biophysics and Molecular Biology, 2011, 107, 443-448.	1.4	6
126	Modelling of deep transcranial magnetic stimulation: Different coil configurations. , 2014, 2014, 4306-9.		6

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127	Innovative Stochastic Modeling of Residential Exposure to Radio Frequency Electromagnetic Field Sources. IEEE Journal of Electromagnetics, RF and Microwaves in Medicine and Biology, 2021, 5, 62-69.	2.3	6
128	Human RF-EMF Exposure Assessment Due to Access Point in Incoming 5G Indoor Scenario. IEEE Journal of Electromagnetics, RF and Microwaves in Medicine and Biology, 2021, 5, 269-276.	2.3	6
129	Novel 3D Reconstruction Method for Mandibular Distraction Planning. , 0, , .		5
130	Quantitative indices for the assessment of the repeatability of distortion product otoacoustic emissions in laboratory animals. IEEE Transactions on Biomedical Engineering, 2006, 53, 1550-1556.	2.5	5
131	Enhancement of neural stochastic firing in cochlear implant stimulation by the addition of noise: A computational study of the influence of stimulation settings and spontaneous activity. Computers in Biology and Medicine, 2010, 40, 597-606.	3.9	5
132	Modelling of the Current Density Distributions during Cortical Electric Stimulation for Neuropathic Pain Treatment. Computational and Mathematical Methods in Medicine, 2018, 2018, 1-12.	0.7	5
133	Influence of cochlear implant-like operating conditions on wavelet speech processing. Computers in Biology and Medicine, 2008, 38, 799-804.	3.9	4
134	A three-dimensional electromagnetic model for the DBS application. , 2009, , .		4
135	No effects of UMTS exposure on the function of rat outer hair cells. Bioelectromagnetics, 2009, 30, 385-392.	0.9	4
136	Cerebellar Direct Current Stimulation (ctDCS) in the Treatment of Huntington's Disease: A Pilot Study and a Short Review of the Literature. Frontiers in Neurology, 2020, 11, 614717.	1.1	4
137	Temporal segmentation and multiple-source analysis of short-latency median nerve SEPs. Journal of Medical Engineering and Technology, 1995, 19, 70-76.	0.8	3
138	Time-frequency distribution methods for the analysis of click-evoked otoacoustic emissions. Technology and Health Care, 1998, 6, 159-175.	0.5	3
139	<title>Three-dimensional laser scanning and reconstruction of ear canal impressions for optimal design of hearing aid shells</title>. , 2003, , .		3
140	Influence of tinnitus sound therapy signals on the intelligibility of speech. Journal of Laryngology and Otology, 2011, 125, 795-801.	0.4	3
141	Characterization and Evaluation of a Commercial WLAN System for Human Provocation Studies. BioMed Research International, 2015, 2015, 1-10.	0.9	3
142	Current Methods and Approaches of Noninvasive Direct Currentâ€‘Based Neuromodulation Techniques. , 2019, , 115-131.		3
143	3D spaceâ€‘dependent models for stochastic dosimetry applied to exposure to low frequency magnetic fields. Bioelectromagnetics, 2019, 40, 170-179.	0.9	3
144	Single User EMF Exposure Assessment in a Case of Incoming 5G Indoor Scenario. , 2020, , .		3

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145	Cerebellar tDCS as Therapy for Cerebellar Ataxias. <i>Cerebellum</i> , 2022, 21, 755-761.	1.4	3
146	The interpretation of the results of the research on electromagnetic fields and health in Europe: the EC Coordination Action EMF-NET. <i>Annales Des Telecommunications/Annals of Telecommunications</i> , 2008, 63, 11-15.	1.6	2
147	Exposure of high resolution fetuses in advanced pregnant woman models at different stages of pregnancy to uniform magnetic fields at the frequency of 50 Hz. , 2013, 2013, 4525-8.		2
148	Polynomial Chaos decomposition applied to stochastic dosimetry: Study of the influence of the magnetic field orientation on the pregnant woman exposure at 50 Hz. , 2014, 2014, 342-4.		2
149	Cerebellar Transcranial Direct Current Stimulation (ctDCS) Effect in Perception and Modulation of Pain. , 2020, , .		2
150	Modelling of the Temperature Changes Induced by Transcutaneous Spinal Direct Current Stimulation (tsDCS). <i>IEEE Journal of Electromagnetics, RF and Microwaves in Medicine and Biology</i> , 2021, 5, 9-16.	2.3	2
151	Smart Mobility Communication and Human Exposure to RF Fields: a Numerical Dosimetry Approach. , 2020, , .		2
152	Source Analysis of Auditory Evoked Middle-Latency Responses. <i>Acta Oto-Laryngologica</i> , 1991, 111, 145-152.	0.3	1
153	The Generation Mechanisms and Repeatability of 2F1 - F2 Distortion Product Otoacoustic Emissions: study on normally hearing subjects. , 2006, 2006, 2122-5.		1
154	Modeling and Computation of Electric Potential Field Distribution Generated in Cochlear Tissues by Cochlear Implant Stimulations. , 2007, , .		1
155	A dosimetric study comparing intra-operative microelectrode and chronic macroelectrode in the DBS technique. , 2013, , .		1
156	Conductivity measures coupled with treatment with ion-exchange resin for the assessment of sodium concentration in physiological fluids: analyses on artificial solutions. <i>Journal of Physics: Conference Series</i> , 2013, 459, 012062.	0.3	1
157	COMPUTATIONAL ASSESSMENT OF PREGNANT WOMAN MODELS EXPOSED TO UNIFORM ELF-MAGNETIC FIELDS: COMPLIANCE WITH THE EUROPEAN CURRENT EXPOSURE REGULATIONS FOR THE GENERAL PUBLIC AND OCCUPATIONAL EXPOSURES AT 50 Hz. <i>Radiation Protection Dosimetry</i> , 2016, 172, 382-392.	0.4	1
158	Stochastic dosimetry for the assessment of the fetal exposure to 4G LTE tablet in realistic scenarios. , 2017, , .		1
159	Cerebellar and Spinal tDCS. , 2016, , 223-229.		1
160	Neurophysiological Bases and Mechanisms of Action of Transcranial Direct Current Stimulation (tDCS). , 2020, , 19-29.		1
161	Optimization of 2D to-3D Reconstruction Technique for Maxillo-Facial Surgery Applications. , 0, , .		0
162	Effect of a Cochlear Implant on the SAR distribution of the head exposed to 2.4 GHz. , 2009, , .		0

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163	Assessing repeatability and reproducibility using hierarchical modeling: a case-study of distortion product otoacoustic emissions. <i>Statistical Methods and Applications</i> , 2010, 19, 567-585.	0.7	0
164	Estimate of the fetal temperature increase due to UHF RFID exposure. , 2013, 2013, 1254-7.		0
165	Stochastic Dosimetry applied on a low frequency Near-Field Source Scenario. , 2020, , .		0
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