Paolo Ravazzani

List of Publications by Year
in descending order

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	Cerebellar tDCS as Therapy for Cerebellar Ataxias. Cerebellum, 2022, 21, 755-761.	1.4	3
2	Survey of Exposure to RF Electromagnetic Fields in the Connected Car. IEEE Access, 2022, 10, 47764-47781.	2.6	7
3	Modelling of the Temperature Changes Induced by Transcutaneous Spinal Direct Current Stimulation (tsDCS). IEEE Journal of Electromagnetics, RF and Microwaves in Medicine and Biology, 2021, 5, 9-16.	2.3	2
4	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
5	Cerebellar and Spinal tDCS. , 2021, , 243-249.		0
6	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
7	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
8	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
9	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
10	Malignancies and Biosensors: A Focus on Oral Cancer Detection through Salivary Biomarkers. Biosensors, 2021, 11, 396.	2.3	32
11	Cerebellar Transcranial Direct Current Stimulation (ctDCS) Effect in Perception and Modulation of Pain. , 2020, , .		2
12	Stochastic Dosimetry applied on a low frequency Near-Field Source Scenario. , 2020, , .		0
13	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
14	Numerical modelling of temperature increase induced by transcutaneous Spinal Direct Current Stimulation (tsDC). , 2020, , .		0
15	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
16	Single User EMF Exposure Assessment in a Case of Incoming 5G Indoor Scenario. , 2020, , .		3
17	Smart Mobility Communication and Human Exposure to RF Fields: a Numerical Dosimetry Approach. , 2020, , .		2
18	Neurophysiological Bases and Mechanisms of Action of Transcranial Direct Current Stimulation (tDCS). , 2020, , 19-29.		1

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19	Current Methods and Approaches of Noninvasive Direct Currentâ€“Based Neuromodulation Techniques. , 2019, , 115-131.		3
20	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
21	Radio Frequency Electromagnetic Fields Exposure Assessment in Indoor Environments: A Review. International Journal of Environmental Research and Public Health, 2019, 16, 955.	1.2	72
22	Cerebellar Transcranial Direct Current Stimulation (ctDCS) Ameliorates Phantom Limb Pain and Non-painful Phantom Limb Sensations. Cerebellum, 2019, 18, 527-535.	1.4	29
23	3D spaceâ€dependent models for stochastic dosimetry applied to exposure to low frequency magnetic fields. Bioelectromagnetics, 2019, 40, 170-179.	0.9	3
24	Urban Intelligence: a Modular, Fully Integrated, and Evolving Model for Cities Digital Twinning. , 2019, , .		13
25	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
26	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
27	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
28	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
29	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
30	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
31	Influence of tissue conductivity on foetal exposure to extremely low frequency magnetic fields at 50 Hz using stochastic dosimetry. PLoS ONE, 2018, 13, e0192131.	1.1	14
32	Cerebellar direct current stimulation modulates hand blink reflex: implications for defensive behavior in humans. Physiological Reports, 2018, 6, e13471.	0.7	8
33	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
34	The electric field distributions in anatomical head models during transcranial direct current stimulation for postâ€stroke rehabilitation. Medical Physics, 2017, 44, 262-271.	1.6	17
35	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
36	Evidence-based guidelines on the therapeutic use of transcranial direct current stimulation (tDCS). Clinical Neurophysiology, 2017, 128, 56-92.	0.7	1,213

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37	Stochastic dosimetry for the assessment of the fetal exposure to 4G LTE tablet in realistic scenarios. , 2017, , .		1
38	Moving Beyond the Brain: Transcutaneous Spinal Direct Current Stimulation in Post-Stroke Aphasia. Frontiers in Neurology, 2017, 8, 400.	1.1	24
39	Stochastic Dosimetry for the Assessment of Children Exposure to Uniform 50â€‰Hz Magnetic Field with Uncertain Orientation. BioMed Research International, 2017, 2017, 1-14.	0.9	10
40	Modelling of the Electric Field Distribution in Deep Transcranial Magnetic Stimulation in the Adolescence, in the Adulthood, and in the Old Age. Computational and Mathematical Methods in Medicine, 2016, 2016, 1-9.	0.7	18
41	Cerebellar and Spinal Direct Current Stimulation in Children: Computational Modeling of the Induced Electric Field. Frontiers in Human Neuroscience, 2016, 10, 522.	1.0	41
42	Childrenâ€™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
43	Review of Studies Concerning Electromagnetic Field (EMF) Exposure Assessment in Europe: Low Frequency Fields (50 Hzâ€“100 kHz). International Journal of Environmental Research and Public Health, 2016, 13, 875.	1.2	58
44	Cerebellar transcranial direct current stimulation in neurological disease. Cerebellum and Ataxias, 2016, 3, 16.	1.9	66
45	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. Radiation Protection Dosimetry, 2016, 172, 382-392.	0.4	1
46	Extremely lowâ€frequency magnetic fields and risk of childhood leukemia: A risk assessment by the ARIMMORA consortium. Bioelectromagnetics, 2016, 37, 183-189.	0.9	31
47	Cerebellar Transcranial Direct Current Stimulation (ctDCS). Neuroscientist, 2016, 22, 83-97.	2.6	177
48	Analysis of personal and bedroom exposure to ELF-MFs in children in Italy and Switzerland. Journal of Exposure Science and Environmental Epidemiology, 2016, 26, 586-596.	1.8	16
49	Deep Transcranial Magnetic Stimulation: Modeling of Different Coil Configurations. IEEE Transactions on Biomedical Engineering, 2016, 63, 1543-1550.	2.5	76
50	Cerebellar and Spinal tDCS. , 2016, , 223-229.		1
51	Transcutaneous spinal direct current stimulation modulates human corticospinal system excitability. Journal of Neurophysiology, 2015, 114, 440-446.	0.9	69
52	Spinal Direct Current Stimulation Modulates Short Intracortical Inhibition. Neuromodulation, 2015, 18, 686-693.	0.4	37
53	Cerebellar direct current stimulation modulates pain perception in humans. Restorative Neurology and Neuroscience, 2015, 33, 597-609.	0.4	47
54	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

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55	Study of the Influence of the Orientation of a 50-Hz Magnetic Field on Fetal Exposure Using Polynomial Chaos Decomposition. International Journal of Environmental Research and Public Health, 2015, 12, 5934-5953.	1.2	17
56	Characterization and Evaluation of a Commercial WLAN System for Human Provocation Studies. BioMed Research International, 2015, 2015, 1-10.	0.9	3
57	Effect of the Interindividual Variability on Computational Modeling of Transcranial Direct Current Stimulation. Computational Intelligence and Neuroscience, 2015, 2015, 1-9.	1.1	20
58	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
59	Transcranial direct current stimulation for hyperactivity and noncompliance in autistic disorder. World Journal of Biological Psychiatry, 2015, 16, 361-366.	1.3	50
60	Electromagnetic field exposure assessment in Europe radiofrequency fields (10â€‰MHzâ€"6â€‰GHz). Journal of Exposure Science and Environmental Epidemiology, 2015, 25, 37-44.	1.8	114
61	Cerebellar tDCS: How to Do It. Cerebellum, 2015, 14, 27-30.	1.4	114
62	COMPUTATIONAL MODELING OF TRANSCRANIAL DIRECT CURRENT STIMULATION IN THE CHILD BRAIN: IMPLICATIONS FOR THE TREATMENT OF REFRACTORY CHILDHOOD FOCAL EPILEPSY. International Journal of Neural Systems, 2014, 24, 1430006.	3.2	26
63	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
64	Modelling of deep transcranial magnetic stimulation: Different coil configurations. , 2014, 2014, 4306-9.		6
65	Modeling the current density generated by transcutaneous spinal direct current stimulation (tsDCS). Clinical Neurophysiology, 2014, 125, 2260-2270.	0.7	77
66	Transcranial cerebellar direct current stimulation and transcutaneous spinal cord direct current stimulation as innovative tools for neuroscientists. Journal of Physiology, 2014, 592, 3345-3369.	1.3	110
67	Temperature Increase in the Fetus Exposed to UHF RFID Readers. IEEE Transactions on Biomedical Engineering, 2014, 61, 2011-2019.	2.5	15
68	Potential health impacts of residential exposures to extremely low frequency magnetic fields in Europe. Environment International, 2014, 62, 55-63.	4.8	80
69	Modelling the electric field and the current density generated by cerebellar transcranial DC stimulation in humans. Clinical Neurophysiology, 2014, 125, 577-584.	0.7	133
70	Transcranial cerebellar direct current stimulation (tcDCS): Motor control, cognition, learning and emotions. NeuroImage, 2014, 85, 918-923.	2.1	146
71	Dosimetric study of fetal exposure to uniform magnetic fields at 50â€‰Hz. Bioelectromagnetics, 2014, 35, 580-597.	0.9	23
72	SAR exposure from UHF RFID reader in adult, child, pregnant woman, and fetus anatomical models. Bioelectromagnetics, 2013, 34, 443-452.	0.9	23

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73	Modulating Human Procedural Learning by Cerebellar Transcranial Direct Current Stimulation. Cerebellum, 2013, 12, 485-492.	1.4	142
74	A Consensus Panel Review of Central Nervous System Effects of the Exposure to Low-Intensity Extremely Low-Frequency Magnetic Fields. Brain Stimulation, 2013, 6, 469-476.	0.7	85
75	Nonlinear heart rate variability measures under electromagnetic fields produced by GSM cellular phones. Electromagnetic Biology and Medicine, 2013, 32, 173-181.	0.7	12
76	Computational model of cerebellar transcranial direct current stimulation. , 2013, 2013, 237-40.		8
77	Evaluation of the current density in the brainstem during transcranial direct current stimulation with extra-cephalic reference electrode. Clinical Neurophysiology, 2013, 124, 1039-1040.	0.7	18
78	Numerical Estimation of the Current Density in the Heart During Transcranial Direct Current Stimulation. Brain Stimulation, 2013, 6, 457-459.	0.7	18
79	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
80	Estimate of the fetal temperature increase due to UHF RFID exposure. , 2013, 2013, 1254-7.		0
81	A dosimetric study comparing intra-operatory microelectrode and chronic macroelectrode in the DBS technique. , 2013, , .		1
82	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
83	Conductivity measures coupled with treatment with ion-exchange resin for the assessment of sodium concentration in physiological fluids: analyses on artificial solutions. Journal of Physics: Conference Series, 2013, 459, 012062.	0.3	1
84	Sodium Concentration Measurement during Hemodialysis through Ion-Exchange Resin and Conductivity Measure Approach: In Vitro Experiments. PLoS ONE, 2013, 8, e69227.	1.1	14
85	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
86	Cerebellum and processing of negative facial emotions: Cerebellar transcranial DC stimulation specifically enhances the emotional recognition of facial anger and sadness. Cognition and Emotion, 2012, 26, 786-799.	1.2	157
87	Clinical research with transcranial direct current stimulation (tDCS): Challenges and future directions. Brain Stimulation, 2012, 5, 175-195.	0.7	1,122
88	Transcutaneous Spinal Direct Current Stimulation. Frontiers in Psychiatry, 2012, 3, 63.	1.3	76
89	Electric field and current density distribution in an anatomical head model during transcranial direct current stimulation for tinnitus treatment. Bioelectromagnetics, 2012, 33, 476-487.	0.9	48
90	Quantitative analysis of cochlear active mechanisms in tinnitus subjects with normal hearing sensitivity: Timeâ€"frequency analysis of transient evoked otoacoustic emissions and contralateral suppression. Auris Nasus Larynx, 2011, 38, 33-40.	0.5	27

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91	Biomedical Signal and Image Processing. IEEE Pulse, 2011, 2, 41-54.	0.1	8
92	Transcutaneous spinal cord direct current stimulation inhibits the lower limb nociceptive flexion reflex in human beings. Pain, 2011, 152, 370-375.	2.0	106
93	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
94	Transcranial Direct Current Stimulation: Estimation of the Electric Field and of the Current Density in an Anatomical Human Head Model. IEEE Transactions on Biomedical Engineering, 2011, 58, 1773-1780.	2.5	109
95	Computational exposure assessment of electromagnetic fields generated by an RFID system for mother-newborn identity reconfirmation. Bioelectromagnetics, 2011, 32, 408-416.	0.9	9
96	Influence of tinnitus sound therapy signals on the intelligibility of speech. Journal of Laryngology and Otology, 2011, 125, 795-801.	0.4	3
97	Open ear hearing aids in tinnitus therapy: An efficacy comparison with sound generators. International Journal of Audiology, 2011, 50, 548-553.	0.9	76
98	Assessing repeatability and reproducibility using hierarchical modeling: a case-study of distortion product otoacoustic emissions. Statistical Methods and Applications, 2010, 19, 567-585.	0.7	0
99	Assessment of the exposure to WLAN frequencies of a head model with a cochlear implant. Bioelectromagnetics, 2010, 31, 546-555.	0.9	9
100	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
101	Absence of Short-Term Effects of UMTS Exposure on the Human Auditory System. Radiation Research, 2010, 173, 91-97.	0.7	14
102	Micro vs macro electrode DBS stimulation: A dosimetric study. , 2010, 2010, 2057-60.		9
103	A Low Frequency Electromagnetic Sensor for Indirect Measurement of Glucose Concentration: In Vitro Experiments in Different Conductive Solutions. Sensors, 2010, 10, 5346-5358.	2.1	44
104	Quantitative analysis of cochlear active mechanisms in tinnitus subjects with normal hearing sensitivity: multiparametric recording of evoked otoacoustic emissions and contralateral suppression. Auris Nasus Larynx, 2010, 37, 291-298.	0.5	39
105	A three-dimensional electromagnetic model for the DBS application. , 2009, , .		4
106	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
107	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
108	Repetitive transcranial magnetic stimulation or transcranial direct current stimulation?. Brain Stimulation, 2009, 2, 241-245.	0.7	228

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109	No effects of UMTS exposure on the function of rat outer hair cells. Bioelectromagnetics, 2009, 30, 385-392.	0.9	4
110	Effects of UMTS Cellular Phones on Human Hearing: Results of the European Project â€œEMFnEARâ€. Radiation Research, 2009, 172, 244-251.	0.7	18
111	Effect of a Cochlear Implant on the SAR distribution of the head exposed to 2.4 GHz. , 2009, , .		0
112	The interpretation of the results of the research on electromagnetic fields and health in Europe: the EC Coordination Action EMF-NET. Annales Des Telecommunications/Annals of Telecommunications, 2008, 63, 11-15.	1.6	2
113	Influence of cochlear implant-like operating conditions on wavelet speech processing. Computers in Biology and Medicine, 2008, 38, 799-804.	3.9	4
114	Transcranial direct current stimulation: State of the art 2008. Brain Stimulation, 2008, 1, 206-223.	0.7	2,538
115	Effect of spinal transcutaneous direct current stimulation on somatosensory evoked potentials in humans. Clinical Neurophysiology, 2008, 119, 2636-2640.	0.7	139
116	Effects of mobile phone exposure on time frequency fine structure of transiently evoked otoacoustic emissions. Journal of the Acoustical Society of America, 2007, 122, 2174-2182.	0.5	25
117	Modeling and Computation of Electric Potential Field Distribution Generated in Cochlear Tissues by Cochlear Implant Stimulations. , 2007, , .		1
118	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
119	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
120	Effects of GSM Cellular Phones on Human Hearing: The European Project â€œGUARDâ€. Radiation Research, 2007, 168, 608-613.	0.7	25
121	Electromagnetic fields produced by GSM cellular phones and heart rate variability. Bioelectromagnetics, 2007, 28, 122-129.	0.9	31
122	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
123	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
124	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
125	Three-Dimensional Reconstruction and Image Processing in Mandibular Distraction Planning. IEEE Transactions on Instrumentation and Measurement, 2006, 55, 1959-1964.	2.4	16
126	The Generation Mechanisms and Repeatability of 2F1 - F2 Distortion Product Otoacoustic Emissions: study on normally hearing subjects. , 2006, 2006, 2122-5.		1

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127	Speech Processing for Cochlear Implants with the Discrete Wavelet Transform: Feasibility Study and Performance Evaluation. , 2006, 2006, 3763-6.		6
128	Measurement of Electrode Current Pulses From Cochlear Implants. IEEE Transactions on Instrumentation and Measurement, 2005, 54, 2105-2112.	2.4	10
129	Effects of 900 MHz electromagnetic fields exposure on cochlear cells' functionality in rats: Evaluation of distortion product otoacoustic emissions. Bioelectromagnetics, 2005, 26, 536-547.	0.9	30
130	Otoacoustic emission latency, cochlear tuning, and hearing functionality in neonates. Journal of the Acoustical Society of America, 2005, 118, 1576-1584.	0.5	28
131	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
132	Cochlear maturation and otoacoustic emissions in preterm infants: a timeâ€“frequency approach. Hearing Research, 2005, 199, 71-80.	0.9	35
133	Influence on the mechanisms of generation of distortion product otoacoustic emissions of mobile phone exposure. Hearing Research, 2005, 208, 68-78.	0.9	42
134	Design of hearing aid shells by three dimensional laser scanning and mesh reconstruction. Journal of Biomedical Optics, 2004, 9, 835.	1.4	19
135	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
136	3-D acquisition and quantitative measurements of anatomical parts by optical scanning and image reconstruction from unorganized range data. IEEE Transactions on Instrumentation and Measurement, 2003, 52, 1665-1673.	2.4	25
137	A fast and reliable system for 3D surface acquisition and reconstruction. Image and Vision Computing, 2003, 21, 295-305.	2.7	18
138	Brain polarization in humans: a reappraisal of an old tool for prolonged non-invasive modulation of brain excitability. Clinical Neurophysiology, 2003, 114, 589-595.	0.7	414
139	<title>Three-dimensional laser scanning and reconstruction of ear canal impressions for optimal design of hearing aid shells</title>. , 2003, , .		3
140	Original Article: Comparison of two methods of TEOAE recording in newborn hearing screening: La comparaciÃ³n de dos mÃ©todos de registro de TEOAE en la identificatiÃ³n de problemas auditivos en reciÃ©n nacidos. International Journal of Audiology, 2002, 41, 267-270.	0.9	17
141	Click-evoked otoacoustic emissions recorded from untreated congenital hypothyroid newborns. Hearing Research, 2002, 166, 136-142.	0.9	15
142	Frequency-related effects in the optimization of coils for the magnetic stimulation of the nervous system. IEEE Transactions on Biomedical Engineering, 2002, 49, 463-471.	2.5	16
143	Time-frequency analysis of neonatal click-evoked otoacoustic emissions. Scandinavian Audiology, 2001, 30, 135-137.	0.5	6
144	Data processing options and response scoring for OAE-based newborn hearing screening. Journal of the Acoustical Society of America, 2001, 109, 283-290.	0.5	15

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145	Frequency and temporal analysis of contralateral acoustic stimulation on evoked otoacoustic emissions in humans. Hearing Research, 2000, 145, 52-58.	0.9	9
146	Frequency-specific Information from Click Evoked Otoacoustic Emissions in Noise-induced Hearing Loss. International Journal of Audiology, 1999, 38, 243-250.	0.9	15
147	Theory of multichannel magnetic stimulation: toward functional neuromuscular rehabilitation. IEEE Transactions on Biomedical Engineering, 1999, 46, 646-651.	2.5	36
148	Evaluation of Click Evoked Otoacoustic Emissions in Newborns: Effects of Time-windowing. International Journal of Audiology, 1999, 38, 127-134.	0.9	14
149	Optimal Band Pass Filtering of Transient Evoked Otoacoustic Emissions in Neonates. International Journal of Audiology, 1999, 38, 69-74.	0.9	12
150	Functional magnetic stimulation: theory and coil optimization. Bioelectrochemistry, 1998, 47, 213-219.	1.0	22
151	Wavelet analysis of click-evoked otoacoustic emissions. IEEE Transactions on Biomedical Engineering, 1998, 45, 686-697.	2.5	64
152	Two-dimensional filter to facilitate detection of transient-evoked otoacoustic emissions. IEEE Transactions on Biomedical Engineering, 1998, 45, 1089-1096.	2.5	13
153	Time-frequency distribution methods for the analysis of click-evoked otoacoustic emissions. Technology and Health Care, 1998, 6, 159-175.	0.5	3
154	Time-frequency distributions of click-evoked otoacoustic emissions. Hearing Research, 1997, 106, 112-122.	0.9	114
155	Transverse-field activation mechanism in magnetic stimulation of peripheral nerves. Electroencephalography and Clinical Neurophysiology - Electromyography and Motor Control, 1996, 101, 167-174.	1.4	74
156	Magnetic stimulation of the nervous system: Induced electric field in unbounded, semi-infinite, spherical, and cylindrical media. Annals of Biomedical Engineering, 1996, 24, 606-616.	1.3	91
157	A volume-conduction analysis of magnetic stimulation of peripheral nerves. IEEE Transactions on Biomedical Engineering, 1996, 43, 669-678.	2.5	26
158	â€˜Derived Nonlinearâ€™ versus â€˜Linearâ€™ Click-evoked Otoacoustic Emissions. International Journal of Audiology, 1996, 35, 73-86.	0.9	22
159	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
160	An analytical model to predict the electric field and excitation zones due to magnetic stimulation of peripheral nerves. IEEE Transactions on Biomedical Engineering, 1995, 42, 158-161.	2.5	26
161	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
162	Evoked otoacoustic emissions: nonlinearities and response interpretation. IEEE Transactions on Biomedical Engineering, 1993, 40, 500-504.	2.5	28

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163	A mathematical model for the computation of the forces exerted by the facial orthopedic mask. American Journal of Orthodontics and Dentofacial Orthopedics, 1992, 101, 441-448.	0.8	15
164	Magnetic stimulation of the motor cortex-theoretical considerations. IEEE Transactions on Biomedical Engineering, 1991, 38, 180-191.	2.5	57
165	Source Analysis of Auditory Evoked Middle-Latency Responses. Acta Oto-Laryngologica, 1991, 111, 145-152.	0.3	1
166	Novel 3D Reconstruction Method for Mandibular Distraction Planning. , 0, , .		5
167	Optimization of 2D to-3D Reconstruction Technique for Maxillo-Facial Surgery Applications. , 0, , .		0