Ursula van Rienen

List of Publications by Year
in descending order

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160	1,732	361413 20	361022 35
papers	citations	h-index	g-index

174	174	174	1809
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	DBS imaging methods III: Estimating the electric field and volume of tissue activated. , 2022, , 147-168.		2
2	An artefact-based workflow for finite element simulation studies. Simulation Modelling Practice and Theory, 2022, 116, 102464.	3.8	1
3	Multiobjective design optimization of a quadrupole resonator under uncertainties. Physical Review Accelerators and Beams, 2022, 25, .	1.6	2
4	Deep brain stimulation electrode modeling in rats. Experimental Neurology, 2022, 350, 113978.	4.1	4
5	Personalizing Deep Brain Stimulation Using Advanced Imaging Sequences. Annals of Neurology, 2022, 91, 613-628.	5.3	22
6	Numerical study on the effect of capacitively coupled electrical stimulation on biological cells considering model uncertainties. Scientific Reports, 2022, 12, 4744.	3.3	3
7	Reply to â€œDeep Brain Stimulation for Tremor: Direct Targeting of a Novel Imaging Biomarkerâ€• Annals of Neurology, 2022, 92, 343-344.	5.3	1
8	The interplay of collagen/bioactive glass nanoparticle coatings and electrical stimulation regimes distinctly enhanced osteogenic differentiation of human mesenchymal stem cells. Acta Biomaterialia, 2022, 149, 373-386.	8.3	9
9	Deep brain stimulation by optimized stimulators in a phenotypic model of dystonia: Effects of different frequencies. Neurobiology of Disease, 2021, 147, 105163.	4.4	11
10	Influence of Neuronal Morphology on the Shape of Extracellular Recordings With Microelectrode Arrays: A Finite Element Analysis. IEEE Transactions on Biomedical Engineering, 2021, 68, 1317-1329.	4.2	10
11	Numerical Study on Electrode Design for Rodent Deep Brain Stimulation With Implantations Cranial to Targeted Nuclei. Frontiers in Computational Neuroscience, 2021, 15, 631188.	2.1	2
12	Uncertainty in the isosceles multipactor threshold of triangularly grooved surfaces based on polynomial chaos. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2021, 993, 165001.	1.6	3
13	Finite element analysis of bone remodelling with piezoelectric effects using an open-source framework. Biomechanics and Modeling in Mechanobiology, 2021, 20, 1147-1166.	2.8	8
14	Automatic Actin Filament Quantification and Cell Shape Modeling of Osteoblasts on Charged Ti Surfaces. Applied Sciences (Switzerland), 2021, 11, 5689.	2.5	5
15	Mechanisms of pallidal deep brain stimulation: Alteration of cortico-striatal synaptic communication in a dystonia animal model. Neurobiology of Disease, 2021, 154, 105341.	4.4	5
16	Numerical Simulation of Electric Field Distribution around an Instrumented Total Hip Stem. Applied Sciences (Switzerland), 2021, 11, 6677.	2.5	8
17	Ambiguity in the interpretation of the low-frequency dielectric properties of biological tissues. Bioelectrochemistry, 2021, 140, 107773.	4.6	15
18	rf measurements and tuning of the 1-m-long 750ÂMHz radio-frequency quadrupole for artwork analysis. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2021, 1011, 165564.	1.6	2

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19	Computational Analysis of Bone Remodeling in the Proximal Tibia Under Electrical Stimulation Considering the Piezoelectric Properties. Frontiers in Bioengineering and Biotechnology, 2021, 9, 705199.	4.1	4
20	Numerical Study of Facial Nerve Stimulation After Cochlear Implant Surgery. , 2021, , .		0
21	Using a Digital Twin of an Electrical Stimulation Device to Monitor and Control the Electrical Stimulation of Cells in vitro. Frontiers in Bioengineering and Biotechnology, 2021, 9, 765516.	4.1	16
22	Computational study on electromechanics of electroactive hydrogels for cartilage-tissue repair. Computer Methods and Programs in Biomedicine, 2020, 197, 105739.	4.7	6
23	Neural Tissue Degeneration in Rosenthalâ€™s Canal and Its Impact on Electrical Stimulation of the Auditory Nerve by Cochlear Implants: An Image-Based Modeling Study. International Journal of Molecular Sciences, 2020, 21, 8511.	4.1	3
24	Numerical Simulations as Means for Tailoring Electrically Conductive Hydrogels towards Cartilage Tissue Engineering by Electrical Stimulation. Molecules, 2020, 25, 4750.	3.8	6
25	Establishment and Evaluation of an In Vitro System for Biophysical Stimulation of Human Osteoblasts. Cells, 2020, 9, 1995.	4.1	7
26	A General Theoretical Framework to Study the Influence of Electrical Fields on Mesenchymal Stem Cells. Frontiers in Bioengineering and Biotechnology, 2020, 8, 557447.	4.1	6
27	OSS-DBS: Open-source simulation platform for deep brain stimulation with a comprehensive automated modeling. PLoS Computational Biology, 2020, 16, e1008023.	3.2	30
28	Uncertainty modeling and analysis of the European X-ray free electron laser cavities manufacturing process. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2020, 971, 164135.	1.6	3
29	Title is missing!. , 2020, 16, e1008023.		0
30	Title is missing!. , 2020, 16, e1008023.		0
31	Title is missing!. , 2020, 16, e1008023.		0
32	Title is missing!. , 2020, 16, e1008023.		0
33	Numerical Analysis of Electromechanically Driven Bone Remodeling Using the Open-source Software Framework. , 2019, 2019, 6466-6471.		3
34	Numerical Simulation of Electroactive Hydrogels for Cartilageâ€“Tissue Engineering. Materials, 2019, 12, 2913.	2.9	10
35	Monitoring of a dielectric barrier discharge-based process using the gas gap voltage. Plasma Sources Science and Technology, 2019, 28, 025002.	3.1	5
36	Establishment of a Numerical Model to Design an Electro-Stimulating System for a Porcine Mandibular Critical Size Defect. Applied Sciences (Switzerland), 2019, 9, 2160.	2.5	18

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37	Evaluation of Epistemic Uncertainties for Bipolar Deep Brain Stimulation in Rodent Models. , 2019, 2019, 2136-2140.		6
38	Simulation Experiment Schemas â€“Beyond Tools and Simulation Approaches. , 2019, , .		7
39	HOM damping options for the Z-Pole operating scenario of FCC-ee. Journal of Physics: Conference Series, 2019, 1350, 012007.	0.4	0
40	PROVenance Patterns in Numerical Modelling and Finite Element Simulation Processes of Bio-electric Systems*. , 2019, 2019, 3377-3382.		0
41	Numerical simulation of the electric field distribution in an electrical stimulation device for scaffolds settled with cartilaginous cells. , 2019, 2019, 6481-6484.		1
42	Extracellular Stimulation of Neural Tissues: Activating Function and Sub-threshold Potential Perspective *. , 2019, 2019, 6273-6277.		1
43	Requirements for Documenting Electrical Cell Stimulation Experiments for Replicability and Numerical Modeling. , 2019, 2019, 1082-1088.		9
44	Human Osteoblast Migration in DC Electrical Fields Depends on Store Operated Ca2+-Release and Is Correlated to Upregulation of Stretch-Activated TRPM7 Channels. Frontiers in Bioengineering and Biotechnology, 2019, 7, 422.	4.1	19
45	Computation of lossy higher order modes in complex SRF cavities using Beynâ€™s and Newtonâ€™s methods on reduced order models. International Journal of Modern Physics A, 2019, 34, 1942037.	1.5	0
46	Numerical Study on Electromechanics in Cartilage Tissue with Respect to Its Electrical Properties. Tissue Engineering - Part B: Reviews, 2019, 25, 152-166.	4.8	17
47	rf design studies on the 750ÂMHz radio frequency quadrupole linac for proton-induced x-ray emission analysis. Physical Review Accelerators and Beams, 2019, 22, .	1.6	6
48	Constrained multiobjective shape optimization of superconducting rf cavities considering robustness against geometric perturbations. Physical Review Accelerators and Beams, 2019, 22, .	1.6	8
49	Adaptive Estimation of the Neural Activation Extent in Computational Volume Conductor Models of Deep Brain Stimulation. IEEE Transactions on Biomedical Engineering, 2018, 65, 1828-1839.	4.2	6
50	Uncertainty Quantification of Oscillation Suppression During DBS in a Coupled Finite Element and Network Model. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2018, 26, 281-290.	4.9	4
51	Effect of Tissue Heterogeneity on the Transmembrane Potential of Type-1 Spiral Ganglion Neurons: A Simulation Study. IEEE Transactions on Biomedical Engineering, 2018, 65, 658-668.	4.2	6
52	Semi-analytical representation of the activation level in stress fibre directions as alternative to the angular representation in the bio-chemo-mechanical model for cell contractility. Journal of the Mechanical Behavior of Biomedical Materials, 2018, 77, 527-533.	3.1	2
53	Eigenmode computation of cavities with perturbed geometry using matrix perturbation methods applied on generalized eigenvalue problems. Journal of Computational Physics, 2018, 364, 347-364.	3.8	9
54	Preliminary Numerical Study on Electrical Stimulation at Alloplastic Reconstruction Plates of the Mandible. Mathematics in Industry, 2018, , 3-11.	0.3	2

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55	An efficient 2D implementation of a bio-chemo-mechanical model employing a quadratic representation to study cells on micro-post arrays. Finite Elements in Analysis and Design, 2018, 146, 16-27.	3.2	1
56	Rayleighâ€“Ritz based expansion method for wakefields in dielectrically lined rectangular waveguides. Journal of Computational Physics, 2018, 372, 299-315.	3.8	3
57	Simulation of actin distribution of osteoblasts on titanium pillar arrays using a bioâ€chemoâ€mechanical model. International Journal for Numerical Methods in Biomedical Engineering, 2018, 34, e3097.	2.1	3
58	Systematic study of multipactor suppression techniques for a superconducting rf gun. Physical Review Accelerators and Beams, 2018, 21, .	1.6	9
59	Investigation and control of the ${{m{O}}}_{3}$- to $mathrm{NO}$-transition in a novel sub-atmospheric pressure dielectric barrier discharge. Plasma Sources Science and Technology, 2017, 26, 065005.	3.1	14
60	Low-Dimensional Stochastic Modeling of the Electrical Properties of Biological Tissues. IEEE Transactions on Magnetics, 2017, 53, 1-4.	2.1	2
61	Effect of Morphologic Features of Neurons on the Extracellular Electric Potential: A Simulation Study Using Cable Theory and Electro-Quasi-Static Equations. Neural Computation, 2017, 29, 2955-2978.	2.2	11
62	Numerical design studies on a novel electrostimulative osteosynthesis system for the mandible. Current Directions in Biomedical Engineering, 2017, 3, 613-617.	0.4	1
63	Comparison of coaxial higher order mode couplers for the CERN Superconducting Proton Linac study. Physical Review Accelerators and Beams, 2017, 20, .	1.6	3
64	Eigenmode compendium of the third harmonic module of the European X-ray Free Electron Laser. Physical Review Accelerators and Beams, 2017, 20, .	1.6	2
65	A comparative study of approaches to compute the field distribution of deep brain stimulation in the Hemiparkinson rat model. , 2016, 2016, 5821-5824.		1
66	Challenges in modeling nerve-electrode interactions of neuronal implants. , 2016, , .		0
67	An implementation for the simulation of cells on micro-post arrays. , 2016, 2016, 6138-6141.		2
68	Low-dimensional stochastic modeling of the electrical properties of biological tissues. , 2016, , .		0
69	A Fast Poisson Solver for 3-D Space Charge Calculations in a CPU+GPU Heterogeneous Routine. IEEE Transactions on Magnetics, 2016, 52, 1-4.	2.1	1
70	An automatic approach for calibrating dielectric bone properties by combining finite-element and optimization software tools. Computer Methods in Biomechanics and Biomedical Engineering, 2016, 19, 1306-1313.	1.6	3
71	Investigation of Geometric Variations for Multicell Cavities Using Perturbative Methods. IEEE Transactions on Magnetics, 2016, 52, 1-4.	2.1	1
72	Efficiency optimization of a fast Poisson solver in beam dynamics simulation. Computer Physics Communications, 2016, 198, 82-96.	7.5	3

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73	Efficient Computation of the Neural Activation During Deep Brain Stimulation for Dispersive Electrical Properties of Brain Tissue. IEEE Transactions on Magnetics, 2016, 52, 1-4.	2.1	6
74	Systematical study on superconducting radio frequency elliptic cavity shapes applicable to future high energy accelerators and energy recovery linacs. Physical Review Accelerators and Beams, 2016, 19, .	1.6	4
75	On Several Greenâ€™s Function Methods for Fast Poisson Solver in Free Space. Mathematics in Industry, 2016, , 91-99.	0.3	1
76	3D axonal network coupled to Microelectrode Arrays: A simulation model to study neuronal dynamics. , 2015, 2015, 4700-4.		1
77	Impact of uncertain head tissue conductivity in the optimization of transcranial direct current stimulation for an auditory target. Journal of Neural Engineering, 2015, 12, 046028.	3.5	65
78	The impact of bone microstructure on the field distribution of electrostimulative implants. , 2015, 2015, 3545-8.		1
79	Modeling of an Optimized Electrostimulative Hip Revision System Under Consideration of Uncertainty in the Conductivity of Bone Tissue. IEEE Journal of Biomedical and Health Informatics, 2015, 19, 1321-1330.	6.3	20
80	A dielectrically lined rectangular waveguide as a wakefield dechirper for ELBE. , 2015, , .		0
81	Analysis of higher order modes in large superconducting radio frequency accelerating structures. , 2015, , .		0
82	Computational Benefits Using an Advanced Concatenation Scheme Based on Reduced Order Models for RF Structures. Physics Procedia, 2015, 79, 38-45.	1.2	1
83	Modeling and simulation of platelet reaction and diffusion towards an electro-stimulating dental implant. , 2015, 2015, 2584-7.		2
84	Simulating the therapeutic effects of deep brain stimulation in rodents using a cortico-basal ganglia network and volume conductor model. , 2015, , .		1
85	Numerical studies of the behavior of ionized residual gas in an energy recovering linac. Physical Review Special Topics: Accelerators and Beams, 2015, 18, .	1.8	3
86	Comparison of techniques for uncertainty quantification of superconducting radio frequency cavities. , 2014, , .		5
87	Time-Domain Absorbing Boundary Terminations for Waveguide Ports Based on State-Space Models. IEEE Transactions on Magnetics, 2014, 50, 145-148.	2.1	7
88	Uncertainty quantification of the optimal stimulation area in an electro-stimulative hip revision system. , 2014, 2014, 824-7.		1
89	Scattering parameters of the 3.9ÂGHz accelerating module in a free-electron laser linac: A rigorous comparison between simulations and measurements. Physical Review Special Topics: Accelerators and Beams, 2014, 17, .	1.8	4
90	An Automatic Pareto Classifier for the Multiobjective Optimization of an Electrostimulative Acetabular Revision System. IEEE Transactions on Magnetics, 2014, 50, 741-744.	2.1	55

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91	Correction to â€œComparison of Krylov-Type Methods for Complex Linear Systems Applied to High-Voltage Problemsâ€• IEEE Transactions on Magnetics, 2014, 50, 1-1.	2.1	1
92	Evaluation of electric field distribution in electromagnetic stimulation of human femoral head. Bioelectromagnetics, 2014, 35, 547-558.	1.6	11
93	On the optimization of the hip stem for an electrostimulative hip revision system. , 2014, , .		0
94	Would an endosteal CI-electrode make sense? Comparison of the auditory nerve excitability from different stimulation sites using ESRT measurements and mathematical models. European Archives of Oto-Rhino-Laryngology, 2013, 271, 1375-81.	1.6	5
95	Influence of Uncertainties in the Material Properties of Brain Tissue on the Probabilistic Volume of Tissue Activated. IEEE Transactions on Biomedical Engineering, 2013, 60, 1378-1387.	4.2	66
96	Compact Time-Domain Models of Complex RF Structures Based on the Real Eigenmodes of Segments. IEEE Transactions on Microwave Theory and Techniques, 2013, 61, 2282-2294.	4.6	13
97	Some uncertainty aspects in models for neural engineering. , 2013, , .		1
98	Global sensitivity analysis of the probabilistic volume of tissue activated in a volume conductor model for deep brain stimulation. , 2013, , .		3
99	Spatial variation of permittivity of an electrolyte solution in contact with a charged metal surface: a mini review. Computer Methods in Biomechanics and Biomedical Engineering, 2013, 16, 463-480.	1.6	38
100	Changes of the Electric Field Distribution in the Femoral Head Due to Position and Design of an Electro-Stimulating Implant. Biomedizinische Technik, 2013, 58 Suppl 1, .	0.8	1
101	Quantification of uncertainties in brain tissue conductivity in a heterogeneous model of deep brain stimulation using a non-intrusive projection approach. , 2012, 2012, 4136-9.		4
102	Identification of widely applicable configurations for the electrostimulative total hip revision system. , 2012, 2012, 3048-51.		3
103	Sensitivity analysis of the field distribution in Deep Brain Stimulation with respect to the anisotropic conductivity of brain tissue. Biomedizinische Technik, 2012, 57, .	0.8	1
104	A Comparison of the Hodgkinâ€“Huxley Model and the Soliton Theory for the Action Potential in Nerves. Behavior Research Methods, 2012, , 275-299.	4.0	27
105	Modeling the Field Distribution in Deep Brain Stimulation: The Influence of Anisotropy of Brain Tissue. IEEE Transactions on Biomedical Engineering, 2012, 59, 1583-1592.	4.2	62
106	Mechanics and electrostatics of the interactions between osteoblasts and titanium surface. Computer Methods in Biomechanics and Biomedical Engineering, 2011, 14, 469-482.	1.6	70
107	Adhesion of osteoblasts to a nanorough titanium implant surface. International Journal of Nanomedicine, 2011, 6, 1801.	6.7	117
108	Electromechanical Basis for the Interaction Between Osteoblasts and Negatively Charged Titanium Surface. Behavior Research Methods, 2011, 13, 199-221.	4.0	2

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109	Attachment of Rod-Like (BAR) Proteins and Membrane Shape. Mini-Reviews in Medicinal Chemistry, 2011, 11, 272-282.	2.4	35
110	Exploring the binding dynamics of BAR proteins. Cellular and Molecular Biology Letters, 2011, 16, 398-411.	7.0	6
111	Generalized stern models of the electric double layer considering the spatial variation of permittvity and finite size of ions in saturation regime. Cellular and Molecular Biology Letters, 2011, 16, 576-94.	7.0	56
112	Time-Domain Field and Scattering Parameter Computation in Waveguide Structures by GPU-Accelerated Discontinuous-Galerkin Method. IEEE Transactions on Microwave Theory and Techniques, 2011, 59, 2788-2797.	4.6	15
113	Combination of neural-mass models with anisotropic head models to simulate EEG signals. , 2011, , .		1
114	Langevin Poisson-Boltzmann equation: point-like ions and water dipoles near a charged surface. General Physiology and Biophysics, 2011, 30, 130-137.	0.9	51
115	Multiobjective Optimization of an Electrostimulative Acetabular Revision System. IEEE Transactions on Biomedical Engineering, 2010, 57, 460-468.	4.2	12
116	An electrical double layer model with spatial variation of the permittivity. , 2010, , .		0
117	Spatial Variation of Permittivity near a Charged Membrane in Contact with Electrolyte Solution. Behavior Research Methods, 2010, , 101-126.	4.0	6
118	Extraction of effective permittivity and permeability of metallic powders in the microwave range. Modelling and Simulation in Materials Science and Engineering, 2010, 18, 025015.	2.0	35
119	Challenges in bio-electromagnetic modeling. , 2010, , .		1
120	Numerically optimized shape of directly heated electrodes for minimal temperature gradients. Sensors and Actuators B: Chemical, 2009, 137, 363-369.	7.8	7
121	A New Concept of an Electrostimulative Acetabular Revision System with Patient Individual Additional Fixation. IFMBE Proceedings, 2009, , 1847-1850.	0.3	3
122	Periprosthetic Fields and Currents of an Electrostimulative Acetabular Revision System. IFMBE Proceedings, 2009, , 1808-1811.	0.3	3
123	A Self-Adaptive Multigrid Technique for 3-D Space Charge Calculations. IEEE Transactions on Magnetics, 2008, 44, 1242-1245.	2.1	5
124	Computation of Land Mine Signatures Using Domain Decomposition With Lagrange Multipliers. IEEE Transactions on Magnetics, 2007, 43, 1189-1192.	2.1	5
125	Matching geometry and stimulation parameters of electrodes for deep brain stimulation experimentsâ€"Numerical considerations. Journal of Neuroscience Methods, 2006, 150, 212-227.	2.5	47
126	Simulation of slowly varying electromagnetic fields in the human body considering the anisotropy of muscle tissues. IEEE Transactions on Magnetics, 2006, 42, 747-750.	2.1	6

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127	Choosing electrodes for deep brain stimulation experimentsâ€“electrochemical considerations. Journal of Neuroscience Methods, 2005, 142, 251-265.	2.5	116
128	Integral formulation for large-scale eddy current computation of a Superconducting magnet system. IEEE Transactions on Magnetics, 2005, 41, 1424-1427.	2.1	3
129	Multigrid Algorithms for the Fast Calculation of Space-Charge Effects in Accelerator Design. IEEE Transactions on Magnetics, 2004, 40, 714-717.	2.1	44
130	Fast algorithm for transient 3D eddy-current calculations in the Wendelstein 7-X stellarator. IET Science, Measurement and Technology, 2004, 151, 407-410.	0.7	0
131	Application of Conformal FIT for Eddy Current Calculation in Coils of a Superconducting Magnet System. IEEE Transactions on Magnetics, 2004, 40, 671-674.	2.1	2
132	Fast Calculation of Space Charge in Beam Line Tracking by Multigrid Techniques. Mathematics in Industry, 2004, , 329-336.	0.3	4
133	Algebraic multigrid for complex symmetric matrices and applications. Journal of Computational and Applied Mathematics, 2003, 155, 405-421.	2.0	13
134	Electro-quasistatic calculation of electric field strength on high-voltage insulators with an algebraic multigrid algorithm. IEEE Transactions on Magnetics, 2003, 39, 2129-2132.	2.1	6
135	Modeling and Simulation of Electro-Quasistatic Fields. , 2003, , 17-31.		11
136	CSC - A procedure for coupled S-parameter calculations. IEEE Transactions on Magnetics, 2002, 38, 1173-1176.	2.1	10
137	Computation of higher order modes in TESLA structures. International Journal of Applied Electromagnetics and Mechanics, 2002, 14, 237-242.	0.6	1
138	Frequency Domain Analysis of Waveguides and Resonators with FIT on Non-orthogonal Triangular Grids. Progress in Electromagnetics Research, 2001, 32, 357-381.	4.4	5
139	Frequency Domain Analysis of Waveguides and Resonators With Fit On Non-Orthogonal Triangular Grids- Abstract. Journal of Electromagnetic Waves and Applications, 2001, 15, 557-558.	1.6	3
140	Numerical Methods in Computational Electrodynamics. Lecture Notes in Computational Science and Engineering, 2001, , .	0.3	43
141	Classical Electrodynamics. Lecture Notes in Computational Science and Engineering, 2001, , 11-34.	0.3	3
142	Eigenmode calculation of complex RF-structures using S-parameters. IEEE Transactions on Magnetics, 2000, 36, 1501-1503.	2.1	7
143	An iterative algorithm to evaluate multimodal S-parameter-measurements. IEEE Transactions on Magnetics, 2000, 36, 1841-1845.	2.1	7
144	Eigenmodes of superconducting cavities calculated on APE-supercomputers. IEEE Transactions on Magnetics, 2000, 36, 1510-1513.	2.1	0

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145	Investigations of trapped higher order modes using a 36-cell test structure. Physical Review Special Topics: Accelerators and Beams, 1999, 2, .	1.8	3
146	Finite integration technique on triangular grids revisited. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 1999, 12, 107-128.	1.9	7
147	Comparison of Krylov-type methods for complex linear systems applied to high-voltage problems. IEEE Transactions on Magnetics, 1998, 34, 3335-3338.	2.1	31
148	Consistent finite integration approach for coupled computation of static current distributions and electromagnetic fields. IEEE Transactions on Magnetics, 1998, 34, 3098-3101.	2.1	3
149	Simulation of low-frequency fields on high-voltage insulators with light contaminations. IEEE Transactions on Magnetics, 1996, 32, 816-819.	2.1	21
150	Impedance calculation with URMEL-I using multigrid methods. IEEE Transactions on Magnetics, 1990, 26, 743-746.	2.1	1
151	Waveguide calculations using established codes. IEEE Transactions on Electron Devices, 1988, 35, 2044-2047.	3.0	6
152	Triangular discretization method for the evaluation of RF-fields in cylindrically symmetric cavities. IEEE Transactions on Magnetics, 1985, 21, 2317-2320.	2.1	36
153	Calculation of HOMs in TESLA-cavities using the coupled S-parameter calculation method. , 0, , .		1
154	RF computations with the finite integration technique (FIT) and the coupled S-parameter calculation (CSC). , 0, , .		0
155	Computation of Land Mine Signatures using Domain Decomposition with Lagrange Multipliers. , 0, , .		0
156	A comparision of Hodgkin-Huxley and soliton neural theories. Advances in Radio Science, 0, 8, 75-79.	0.7	20
157	Computation of electrostatic fields in anisotropic human tissues using the Finite Integration Technique (FIT). Advances in Radio Science, 0, 2, 309-313.	0.7	3
158	Berechnung des Hochfrequenzverhaltens komplexer Strukturen mit der Methode gekoppelter Streuparameter â€“ CSC. Advances in Radio Science, 0, 2, 45-49.	0.7	1
159	Computation of currents induced by ELF electric fields in anisotropic human tissues using the Finite Integration Technique (FIT). Advances in Radio Science, 0, 3, 227-231.	0.7	6
160	Electro-Quasistatic Simulations in Bio-Systems Engineering and Medical Engineering. Advances in Radio Science, 0, 3, 39-49.	0.7	21