

# Lluís M Mir

## List of Publications by Year in descending order

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167  
papers

13,532  
citations

19657

61  
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22832

112  
g-index

171  
all docs

171  
docs citations

171  
times ranked

7082  
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrochemotherapy " An easy, highly effective and safe treatment of cutaneous and subcutaneous metastases: Results of ESOPE (European Standard Operating Procedures of Electrochemotherapy) study. <i>European Journal of Cancer, Supplement</i> , 2006, 4, 3-13.	2.2	713
2	Electrochemotherapy potentiation of antitumour effect of bleomycin by local electric pulses. <i>European Journal of Cancer &amp; Clinical Oncology</i> , 1991, 27, 68-72.	0.7	527
3	Electrochemotherapy: results of cancer treatment using enhanced delivery of bleomycin by electroporation. <i>Cancer Treatment Reviews</i> , 2003, 29, 371-387.	7.7	481
4	Standard operating procedures of the electrochemotherapy: Instructions for the use of bleomycin or cisplatin administered either systemically or locally and electric pulses delivered by the Cliniporator™ by means of invasive or non-invasive electrodes. <i>European Journal of Cancer, Supplement</i> , 2006, 4, 14-25.	2.2	474
5	In Vivo Results of a New Focal Tissue Ablation Technique: Irreversible Electroporation. <i>IEEE Transactions on Biomedical Engineering</i> , 2006, 53, 1409-1415.	4.2	442
6	Tumor Ablation with Irreversible Electroporation. <i>PLoS ONE</i> , 2007, 2, e1135.	2.5	421
7	Electrochemotherapy, a new antitumor treatment. First clinical phase I-II trial. <i>Cancer</i> , 1993, 72, 3694-3700.	4.1	418
8	Transient electroporation of cells in culture. <i>Biochemical Pharmacology</i> , 1988, 37, 4727-4733.	4.4	397
9	A validated model of in vivo electric field distribution in tissues for electrochemotherapy and for DNA electrotransfer for gene therapy. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2000, 1523, 73-83.	2.4	307
10	Therapeutic perspectives of in vivo cell electroporation. <i>Bioelectrochemistry</i> , 2001, 53, 1-10.	4.6	306
11	Mechanisms of in Vivo DNA Electrotransfer: Respective Contributions of Cell Electroporation and DNA Electrophoresis. <i>Molecular Therapy</i> , 2002, 5, 133-140.	8.2	280
12	Introduction of definite amounts of nonpermeant molecules into living cells after electroporation: Direct access to the cytosol. <i>Experimental Cell Research</i> , 1988, 175, 15-25.	2.6	267
13	Phase I/II trial for the treatment of cutaneous and subcutaneous tumors using electrochemotherapy. , 1996, 77, 964-971.		260
14	Updated standard operating procedures for electrochemotherapy of cutaneous tumours and skin metastases. <i>Acta Oncologica</i> , 2018, 57, 874-882.	1.8	256
15	Sequential Finite Element Model of Tissue Electroporation. <i>IEEE Transactions on Biomedical Engineering</i> , 2005, 52, 816-827.	4.2	232
16	Mechanisms of electrochemotherapy. <i>Advanced Drug Delivery Reviews</i> , 1999, 35, 107-118.	18.7	231
17	Cell electroporation: a new tool for biochemical and pharmacological studies. <i>BBA - Biomembranes</i> , 1993, 1154, 51-63.	8.0	229
18	Angiopoietin-like 4 prevents metastasis through inhibition of vascular permeability and tumor cell motility and invasiveness. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 18721-18726.	7.1	216

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19	In vivo electroporation of skeletal muscle: threshold, efficacy and relation to electric field distribution. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 1999, 1428, 233-240.	2.4	210
20	Enhancement of cytotoxicity by electropermeabilization. <i>Anti-Cancer Drugs</i> , 1998, 9, 319-326.	1.4	185
21	Vascular reactions to in vivo electroporation: characterization and consequences for drug and gene delivery. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2002, 1569, 51-58.	2.4	177
22	Theoretical analysis of the thermal effects during in vivo tissue electroporation. <i>Bioelectrochemistry</i> , 2003, 61, 99-107.	4.6	165
23	Microsecond and nanosecond electric pulses in cancer treatments. <i>Bioelectromagnetics</i> , 2012, 33, 106-123.	1.6	162
24	Electrochemotherapy with bleomycin induces hallmarks of immunogenic cell death in murine colon cancer cells. <i>Oncolimmunology</i> , 2014, 3, e28131.	4.6	160
25	<i>In vivo</i> electrical conductivity measurements during and after tumor electroporation: conductivity changes reflect the treatment outcome. <i>Physics in Medicine and Biology</i> , 2009, 54, 5949-5963.	3.0	158
26	Long-term, high level in vivo gene expression after electric pulse-mediated gene transfer into skeletal muscle. <i>Comptes Rendus De L'Académie Des Sciences Série 3, Sciences De La Vie</i> , 1998, 321, 893-899.	0.8	157
27	Antitumor electrochemotherapy: New advances in the clinical protocol. , 1996, 77, 956-963.		156
28	Effects of Dimethyl Sulfoxide in Cholesterol-Containing Lipid Membranes: A Comparative Study of Experiments In Silico and with Cells. <i>PLoS ONE</i> , 2012, 7, e41733.	2.5	141
29	Real time electroporation control for accurate and safe in vivo non-viral gene therapy. <i>Bioelectrochemistry</i> , 2007, 70, 501-507.	4.6	137
30	Determination of Optimal Parameters for in Vivo Gene Transfer by Electroporation, Using a Rapid in Vivo Test for Cell Permeabilization. <i>Biochemical and Biophysical Research Communications</i> , 1999, 261, 377-380.	2.1	133
31	The Course of Tissue Permeabilization Studied on a Mathematical Model of a Subcutaneous Tumor in Small Animals. <i>IEEE Transactions on Biomedical Engineering</i> , 2005, 52, 1373-1381.	4.2	131
32	Cell membrane electropermeabilization by symmetrical bipolar rectangular pulses. <i>Bioelectrochemistry</i> , 2001, 54, 83-90.	4.6	127
33	Electrophoretic Component of Electric Pulses Determines the Efficacy of In Vivo DNA Electrotransfer. <i>Human Gene Therapy</i> , 2005, 16, 1194-1201.	2.7	126
34	Electric Pulse-Mediated Gene Delivery to Various Animal Tissues. <i>Advances in Genetics</i> , 2005, 54, 83-114.	1.8	123
35	Quantitative model of small molecules uptake after in vitro cell electropermeabilization. <i>Bioelectrochemistry</i> , 2003, 60, 1-10.	4.6	122
36	Competitive and Non-Competitive Inhibition of the Multidrug-Resistance-Associated P-glycoprotein ATPase. Further Experimental Evidence for a Multisite Model. <i>FEBS Journal</i> , 1997, 244, 664-673.	0.2	120

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37	Electropermeabilization of cells in tissues assessed by the qualitative and quantitative electroloading of bleomycin. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1994, 1190, 155-163.	2.6	119
38	Internalisation of the bleomycin molecules responsible for bleomycin toxicity: a receptor-mediated endocytosis mechanism. <i>Biochemical Pharmacology</i> , 1999, 57, 45-56.	4.4	118
39	Effects of steroids and verapamil on P-glycoprotein ATPase activity: progesterone, desoxycorticosterone, corticosterone and verapamil are mutually non-exclusive modulators. <i>Biochemical Journal</i> , 1996, 317, 515-522.	3.7	116
40	Electroporating Fields Target Oxidatively Damaged Areas in the Cell Membrane. <i>PLoS ONE</i> , 2009, 4, e7966.	2.5	116
41	In vitro osteoblastic differentiation of mesenchymal stem cells generates cell layers with distinct properties. <i>Stem Cell Research and Therapy</i> , 2018, 9, 203.	5.5	116
42	Promotion of Cancer Cell Invasiveness and Metastasis Emergence Caused by Olfactory Receptor Stimulation. <i>PLoS ONE</i> , 2014, 9, e85110.	2.5	109
43	Physical methods of nucleic acid transfer: general concepts and applications. <i>British Journal of Pharmacology</i> , 2009, 157, 207-219.	5.4	107
44	Electrical Impedance Tomography for Imaging Tissue Electroporation. <i>IEEE Transactions on Biomedical Engineering</i> , 2004, 51, 761-767.	4.2	100
45	The promising alliance of anti-cancer electrochemotherapy with immunotherapy. <i>Cancer and Metastasis Reviews</i> , 2016, 35, 165-177.	5.9	98
46	Evidence of Antiangiogenic and Antimetastatic Activities of the Recombinant Disintegrin Domain of Metargidin. <i>Cancer Research</i> , 2004, 64, 2062-2069.	0.9	94
47	Systemic Antitumor Effects of Electrochemotherapy Combined with Histoincompatible Cells Secreting Interleukin-2. <i>Journal of Immunotherapy</i> , 1995, 17, 30-38.	2.4	92
48	Hollow Microneedle Arrays for Intradermal Drug Delivery and DNA Electroporation. <i>Journal of Membrane Biology</i> , 2010, 236, 117-125.	2.1	92
49	Transport of siRNA through Lipid Membranes Driven by Nanosecond Electric Pulses: An Experimental and Computational Study. <i>Journal of the American Chemical Society</i> , 2012, 134, 13938-13941.	13.7	85
50	Slow Accumulation of Plasmid in Muscle Cells: Supporting Evidence for a Mechanism of DNA Uptake by Receptor-Mediated Endocytosis. <i>Molecular Therapy</i> , 2001, 4, 317-323.	8.2	82
51	The influence of skeletal muscle anisotropy on electroporation: in vivo study and numerical modeling. <i>Medical and Biological Engineering and Computing</i> , 2010, 48, 637-648.	2.8	81
52	Overcoming the Specific Toxicity of Large Plasmids Electrotransfer in Primary Cells In Vitro. <i>Molecular Therapy - Nucleic Acids</i> , 2016, 5, e291.	5.1	74
53	EFFICIENCY OF HIGH AND LOW VOLTAGE PULSE COMBINATIONS FOR GENE ELECTROTRANSFER IN MUSCLE, LIVER, TUMOR AND SKIN. <i>Human Gene Therapy</i> , 2008, 19, 081015093227032.	2.7	74
54	Electrochemotherapy with CDDP on LPB sarcoma: comparison of the anti-tumor effectiveness in immunocompetent and immunodeficient mice. <i>Bioelectrochemistry</i> , 1997, 43, 279-283.	1.0	73

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55	Electrical modeling of the influence of medium conductivity on electroporation. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 10055.	2.8	71
56	Gene transfer with HSP 70 in rat chondrocytes confers cytoprotection in vitro and during experimental osteoarthritis. <i>FASEB Journal</i> , 2006, 20, 65-75.	0.5	70
57	Impact of external medium conductivity on cell membrane electroporation by microsecond and nanosecond electric pulses. <i>Scientific Reports</i> , 2016, 6, 19957.	3.3	70
58	Physiological Effects of High- and Low-Voltage Pulse Combinations for Gene Electrotransfer in Muscle. <i>Human Gene Therapy</i> , 2008, 19, 1249-1260.	2.7	69
59	Demonstration of cell membrane permeabilization to medium-sized molecules caused by a single 10 ns electric pulse. <i>Bioelectrochemistry</i> , 2012, 87, 260-264.	4.6	69
60	Lipid Peroxidation in Membranes: The Peroxyl Radical Does Not "Float". <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 1653-1658.	4.6	67
61	Tumor destruction using electrochemotherapy followed by CpG oligodeoxynucleotide injection induces distant tumor responses. <i>Cancer Immunology, Immunotherapy</i> , 2008, 57, 1291-1300.	4.2	65
62	Gene Electrotransfer of Plasmid Antiangiogenic Metargidin Peptide (AMEP) in Disseminated Melanoma: Safety and Efficacy Results of a Phase I First-in-Man Study. <i>Human Gene Therapy Clinical Development</i> , 2013, 24, 99-107.	3.1	64
63	Electrochemotherapy: variable anti-tumor effect on different tumor models. <i>Bioelectrochemistry</i> , 1994, 35, 23-27.	1.0	62
64	The Culture of Cancer Cell Lines as Tumorspheres Does Not Systematically Result in Cancer Stem Cell Enrichment. <i>PLoS ONE</i> , 2014, 9, e89644.	2.5	61
65	Characterization of a 50-µs Exposure Setup for High-Voltage Nanosecond Pulsed Electric Field Bioexperiments. <i>IEEE Transactions on Biomedical Engineering</i> , 2011, 58, 207-214.	4.2	58
66	Investigation of the chemical mechanisms involved in the electroporation of membranes at the molecular level. <i>Bioelectrochemistry</i> , 2018, 119, 76-83.	4.6	56
67	Evaluation of Cell Membrane Electroporation by Means of a Nonpermeant Cytotoxic Agent. <i>BioTechniques</i> , 2000, 28, 921-926.	1.8	55
68	Nucleic Acids Electrotransfer In Vivo: Mechanisms and Practical Aspects. <i>Current Gene Therapy</i> , 2010, 10, 267-280.	2.0	54
69	Electroporation of Inner and Outer Cell Membranes with Microsecond Pulsed Electric Fields: Quantitative Study with Calcium Ions. <i>Scientific Reports</i> , 2017, 7, 13079.	3.3	52
70	SUCCESSFUL TREATMENT OF METASTATIC SKIN LESIONS WITH ELECTROCHEMOTHERAPY. <i>Journal of Urology</i> , 1998, 160, 1426-1426.	0.4	51
71	Cost-effectiveness analysis of electrochemotherapy with the Cliniporator <sup>®</sup> vs other methods for the control and treatment of cutaneous and subcutaneous tumors. <i>Therapeutics and Clinical Risk Management</i> , 2008, Volume 4, 541-548.	2.0	48
72	Application of Electroporation Gene Therapy: Past, Current, and Future. <i>Methods in Molecular Biology</i> , 2008, 423, 3-17.	0.9	47

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73	In Vivo Muscle Electroporation Threshold Determination: Realistic Numerical Models and In Vivo Experiments. <i>Journal of Membrane Biology</i> , 2012, 245, 509-520.	2.1	45
74	Cell Electroporation Enhancement by Non-Thermal-Plasma-Treated PBS. <i>Cancers</i> , 2020, 12, 219.	3.7	44
75	Use of conductive gels for electric field homogenization increases the antitumor efficacy of electroporation therapies. <i>Physics in Medicine and Biology</i> , 2008, 53, 6605-6618.	3.0	43
76	Direct gene transfer into rat articular cartilage by in vivo electroporation. <i>FASEB Journal</i> , 2003, 17, 829-835.	0.5	42
77	Optimization of the Electroformation of Giant Unilamellar Vesicles (GUVs) with Unsaturated Phospholipids. <i>Journal of Membrane Biology</i> , 2015, 248, 827-835.	2.1	42
78	Changes of cell electrical parameters induced by electroporation. A dielectrophoresis study. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2013, 1828, 365-372.	2.6	39
79	A microfluidic biochip for the nanoporation of living cells. <i>Biosensors and Bioelectronics</i> , 2011, 26, 4649-4655.	10.1	38
80	Involvement of membrane bleomycin-binding sites in bleomycin cytotoxicity. <i>Biochemical Pharmacology</i> , 1994, 48, 301-310.	4.4	37
81	Dynamical modeling of tissue electroporation. <i>Bioelectrochemistry</i> , 2018, 119, 98-110.	4.6	37
82	In vitro increase of the fluid-phase endocytosis induced by pulsed radiofrequency electromagnetic fields: importance of the electric field component. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2005, 1668, 126-137.	2.6	36
83	Importance of Contact Surface between Electrodes and Treated Tissue in Electrochemotherapy. <i>Technology in Cancer Research and Treatment</i> , 2008, 7, 393-399.	1.9	36
84	Electroporation-Based Gene Therapy: Recent Evolution in the Mechanism Description and Technology Developments. <i>Methods in Molecular Biology</i> , 2014, 1121, 3-23.	0.9	33
85	Halting angiogenesis by non-viral somatic gene therapy alleviates psoriasis and murine psoriasiform skin lesions. <i>Journal of Clinical Investigation</i> , 2011, 121, 410-421.	8.2	33
86	Robust, Efficient, and Practical Electrogene Transfer Method for Human Mesenchymal Stem Cells Using Square Electric Pulses. <i>Human Gene Therapy Methods</i> , 2013, 24, 289-297.	2.1	31
87	Antimetastatic effects of electrochemotherapy and of histoincompatible interleukin-2-secreting cells in the murine Lewis lung tumor. <i>Anti-Cancer Drugs</i> , 1998, 9, 551-556.	1.4	30
88	Cell membrane permeabilization by 12-ns electric pulses: Not a purely dielectric, but a charge-dependent phenomenon. <i>Bioelectrochemistry</i> , 2015, 106, 369-378.	4.6	30
89	Electrical control of calcium oscillations in mesenchymal stem cells using microsecond pulsed electric fields. <i>Stem Cell Research and Therapy</i> , 2017, 8, 91.	5.5	30
90	Macroscopic characterization of cell electroporation in biological tissue based on electrical measurements. <i>Applied Physics Letters</i> , 2004, 85, 4520.	3.3	28

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91	Inhibition of tumor growth by histoincompatible cells expressing interleukin-2. <i>International Immunology</i> , 1992, 4, 1429-1436.	4.0	27
92	Demonstration of the Protein Involvement in Cell Electroporation using Confocal Raman Microspectroscopy. <i>Scientific Reports</i> , 2017, 7, 40448.	3.3	27
93	Comparative Roles of the Cell Wall and Cell Membrane in Limiting Uptake of Xenobiotic Molecules by <i>Saccharomyces cerevisiae</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2003, 47, 2012-2014.	3.2	26
94	Dual therapeutic benefit of electroporation-mediated DNA vaccination in vivo. <i>Oncolmmunology</i> , 2014, 3, e28540.	4.6	26
95	Antitumoral and antimetastatic effect of antiangiogenic plasmids in B16 melanoma: Higher efficiency of the recombinant disintegrin domain of ADAM 15. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2011, 78, 314-319.	4.3	25
96	Interpulse multifrequency electrical impedance measurements during electroporation of adherent differentiated myotubes. <i>Bioelectrochemistry</i> , 2015, 105, 123-135.	4.6	25
97	The Basis of Electrochemotherapy. , 2000, 37, 99-117.		24
98	Sine wave electroporation reveals the frequency-dependent response of the biological membranes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2018, 1860, 1022-1034.	2.6	24
99	Apoptosis of tumoral and nontumoral lymphoid cells is induced by both mdm2 and p53 antisense oligodeoxynucleotides. <i>Blood</i> , 2001, 97, 1043-1049.	1.4	23
100	A case of perineal malignant melanoma successfully treated with electrochemotherapy. <i>Melanoma Research</i> , 2005, 15, 133-134.	1.2	23
101	Electroporation-Based Technologies and Treatments. <i>Journal of Membrane Biology</i> , 2010, 236, 1-2.	2.1	23
102	High-Yield Nontoxic Gene Transfer through Conjugation of the CM <sub>18</sub> -Tat <sub>11</sub> Chimeric Peptide with Nanosecond Electric Pulses. <i>Molecular Pharmaceutics</i> , 2014, 11, 2466-2474.	4.6	23
103	Industrial Electronics for Biomedicine: A New Cancer Treatment Using Electroporation. <i>IEEE Industrial Electronics Magazine</i> , 2019, 13, 6-18.	2.6	23
104	Exploring the Applicability of Nano-Poration for Remote Control in Smart Drug Delivery Systems. <i>Journal of Membrane Biology</i> , 2017, 250, 31-40.	2.1	22
105	Extent of cell electrofusion in vitro and in vivo is cell line dependent. <i>Anticancer Research</i> , 2009, 29, 3125-30.	1.1	22
106	Design and realization of a microfluidic device devoted to the application of ultra-short pulses of electrical field to living cells. <i>Sensors and Actuators B: Chemical</i> , 2011, 160, 1573-1580.	7.8	21
107	Optimization of a gene electrotransfer procedure for efficient intradermal immunization with an hTERT-based DNA vaccine in mice. <i>Molecular Therapy - Methods and Clinical Development</i> , 2014, 1, 14045.	4.1	20
108	Electric pulses: a flexible tool to manipulate cytosolic calcium concentrations and generate spontaneous-like calcium oscillations in mesenchymal stem cells. <i>Scientific Reports</i> , 2016, 6, 32331.	3.3	20



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109	Structurally related odorant ligands of the olfactory receptor OR51E2 differentially promote metastasis emergence and tumor growth. <i>Oncotarget</i> , 2017, 8, 4330-4341.	1.8	20
110	Successful Tumor Electrochemotherapy Using Sine Waves. <i>IEEE Transactions on Biomedical Engineering</i> , 2020, 67, 1040-1049.	4.2	19
111	In vitro analysis of various cell lines responses to electroporative electric pulses by means of electrical impedance spectroscopy. <i>Biosensors and Bioelectronics</i> , 2018, 117, 207-216.	10.1	18
112	Possible molecular and cellular mechanisms at the basis of atmospheric electromagnetic field bioeffects. <i>International Journal of Biometeorology</i> , 2021, 65, 59-67.	3.0	18
113	Effects of Electrogenetherapy with p53wt Combined with Cisplatin on Survival of Human Tumor Cell Lines with Different p53 Status. <i>DNA and Cell Biology</i> , 2003, 22, 765-775.	1.9	17
114	Mitochondria-independent morphological and biochemical apoptotic alterations promoted by the anti-tumor agent bleomycin in <i>Saccharomyces cerevisiae</i> . <i>Biochemistry and Cell Biology</i> , 2007, 85, 49-55.	2.0	17
115	Cell Electroporabilization and Cellular Uptake of Small Molecules: The Electrochemotherapy Concept. , 2011, , 69-82.		17
116	Technological and Theoretical Aspects for Testing Electroporation on Liposomes. <i>BioMed Research International</i> , 2017, 2017, 1-10.	1.9	17
117	Impact of the number of electric pulses on cell electrochemotherapy in vitro: Limits of linearity and saturation. <i>Bioelectrochemistry</i> , 2019, 129, 218-227.	4.6	17
118	GaN-Based Versatile Waveform Generator for Biomedical Applications of Electroporation. <i>IEEE Access</i> , 2020, 8, 97196-97203.	4.2	16
119	The antitumor efficiency of combined electrochemotherapy and single dose irradiation on a breast cancer tumor model. <i>Radiology and Oncology</i> , 2012, 46, 226-32.	1.7	15
120	Microbubble Sonodestruction Rate as a Metric to Evaluate Sonoporation Efficiency. <i>Journal of Ultrasound in Medicine</i> , 2012, 31, 1993-2000.	1.7	15
121	Cell Membrane Electropulsation: Chemical Analysis of Cell Membrane Modifications and Associated Transport Mechanisms. <i>Advances in Anatomy, Embryology and Cell Biology</i> , 2017, 227, 59-71.	1.6	15
122	Stable [ <sup>57</sup> Co]-bleomycin complex with a very high specific radioactivity for use at very low concentrations. <i>Biochemical and Biophysical Research Communications</i> , 1990, 173, 259-264.	2.1	14
123	Highly Efficient Oligonucleotide Transfer into Intact Yeast Cells Using Square-Wave Pulse Electroporation. <i>BioTechniques</i> , 1998, 25, 294-296.	1.8	13
124	Successful repetitive treatments by electrochemotherapy of multiple unresectable Kaposi sarcoma nodules. <i>European Journal of Cancer, Supplement</i> , 2006, 4, 29-31.	2.2	13
125	Nanosecond-Duration Electric Pulse Delivery In Vitro and In Vivo: Experimental Considerations. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2012, 61, 1945-1954.	4.7	13
126	Intracellular Delivery of Bleomycin by Combined Application of Electroporation and Sonoporation in Vitro. <i>Journal of Membrane Biology</i> , 2016, 249, 677-689.	2.1	12



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127	A wide-band bio-chip for real-time optical detection of bioelectromagnetic interactions with cells. Scientific Reports, 2018, 8, 5044.	3.3	12
128	Conductive nanoparticles improve cell electropermeabilization. Nanotechnology, 2019, 30, 495101.	2.6	12
129	Confocal Microscopy Improves 3D Microdosimetry Applied to Nanoporation Experiments Targeting Endoplasmic Reticulum. Frontiers in Bioengineering and Biotechnology, 2020, 8, 552261.	4.1	12
130	Comprehensive Characterization of the Interaction between Pulsed Electric Fields and Live Cells by Confocal Raman Microspectroscopy. Analytical Chemistry, 2017, 89, 10790-10797.	6.5	11
131	Gallein, a $G\beta\gamma$ subunit signalling inhibitor, inhibits metastatic spread of tumour cells expressing OR51E2 and exposed to its odorant ligand. BMC Research Notes, 2017, 10, 541.	1.4	11
132	Pyroelectricity as a possible mechanism for cell membrane permeabilization. Bioelectrochemistry, 2018, 119, 227-233.	4.6	11
133	A Novel Spectroscopically Determined Pharmacodynamic Biomarker for Skin Toxicity in Cancer Patients Treated with Targeted Agents. Cancer Research, 2017, 77, 557-565.	0.9	10
134	A new anti-tumor strategy based on in vivo tumstatin overexpression after plasmid electrotransfer in muscle. Biochemical and Biophysical Research Communications, 2013, 432, 549-552.	2.1	9
135	Glossary on atmospheric electricity and its effects on biology. International Journal of Biometeorology, 2021, 65, 5-29.	3.0	9
136	BDNF Gene Transfected Schwann Cell Assisted Axonal Extension and Sprouting on New PLA-PPy Microfiber Substrates. Macromolecular Bioscience, 2021, 21, e2000391.	4.1	9
137	A Subnanosecond Pulsed Electric Field System for Studying Cells Electropermeabilization. IEEE Transactions on Plasma Science, 2020, 48, 4242-4249.	1.3	7
138	Monitoring the molecular composition of live cells exposed to electric pulses via label-free optical methods. Scientific Reports, 2020, 10, 10471.	3.3	6
139	Electrogenettransfer in Clinical Applications. , 2006, , 219-226.		4
140	Increased Efficiency of Minicircles Versus Plasmids Under Gene Electrotransfer Suboptimal Conditions: An Influence of the Extracellular Matrix. , 2013, , 215-225.		4
141	Electrophoresis-assisted accumulation of conductive nanoparticles for the enhancement of cell electropermeabilization. Bioelectrochemistry, 2021, 137, 107642.	4.6	4
142	Biological effects of ultrashort electric pulses in a Neuroblastoma cell line: the energy density role.. International Journal of Radiation Biology, 2021, , 1-40.	1.8	4
143	High-resolution analyses of cell fusion dynamics in a biochip. Electrophoresis, 2012, 33, 2508-2515.	2.4	3
144	2-NBDG, a Fluorescent Analogue of Glucose, as a Marker for Detecting Cell Electropermeabilization In Vitro. Journal of Membrane Biology, 2012, 245, 633-642.	2.1	3

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145	Biological Responses. , 2017, , 155-274.		3
146	Physiological changes may dominate the electrical properties of liver during reversible electroporation: Measurements and modelling. Bioelectrochemistry, 2020, 136, 107627.	4.6	3
147	Electrochemotherapy of Small Tumors; The Experience from the ESOPE (European Standard Operating) Tj ETQq1 1 0.784314 <sub>3</sub> rgBT /O		3
148	A microdosimetric study at the cellular and intracellular level using a 3D realistic cell model. , 2022, , .		3
149	A high density microfluidic device for cell pairing and electrofusion. Procedia Engineering, 2010, 5, 49-52.	1.2	2
150	Medical Applications. , 2017, , 275-388.		2
151	Bases and rationale of the electrochemotherapy. , 2007, , 622-622.		2
152	The Place of the Electroporation-Based Antitumor Therapies in the Electrical Armamentarium against Cancer. Series in Biomedical Engineering, 2010, , 223-233.	0.5	2
153	Electroporation of Muscle Tissue In Vivo. , 2000, 37, 271-276.		1
154	Treatment of Spontaneous Soft Tissue Sarcomas in Cat. , 2000, 37, 305-311.		1
155	In Vivo DNA Electrotransfer in Skeletal Muscle. , 2004, 245, 227-236.		1
156	Nanomanipulation of Living Cells on a Chip Using Electric Field: General Concepts and Microdevices. , 2010, , .		1
157	A Setup for Microscopic Studies of Ultrasounds Effects on Microliters Scale Samples: Analytical, Numerical and Experimental Characterization. Pharmaceutics, 2021, 13, 847.	4.5	1
158	Electrophoretic Component of Electric Pulses Determines the Efficacy of In Vivo DNA Electrotransfer. Human Gene Therapy, 2005, .	2.7	1
159	PHYSIOLOGICAL EFFECTS OF HIGH AND LOW VOLTAGE PULSE COMBINATIONS FOR GENE ELECTROTRANSFER IN MUSCLE. Human Gene Therapy, 2008, .	2.7	1
160	Treatment of Multiple Spontaneous Breast Tumors in Mice Using Electrochemotherapy. , 2000, 37, 265-269.		0
161	Treatment of Liver Tumors in Rabbit. , 2000, 37, 327-332.		0
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