Gene transfer into mouse lyoma cells by electroporation

EMBO Journal 1, 841-845

DOI: 10.1002/j.1460-2075.1982.tb01257.x

Citation Report

#	ARTICLE	IF	Citations
1	Voltage modulation of membrane permeability and energy utilization in cells. Bioscience Reports, 1983, 3, 487-505.	2.4	103
2	Electrofusion of cells: principles and industrial potential. Trends in Biotechnology, 1983, 1, 149-155.	9.3	63
3	Microbiological implications of electric field effects. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1983, 156, 181-185.	0.1	4
4	Microbiological implications of electric field effects VII. Stimulation of plasmid transformation of <i>Bacillus cereus</i> protoplasts by electric field pulses. Zeitschrift Fur Allgemeine Mikrobiologie, 1983, 23, 595-599.	0.0	19
5	Microbiological implications of electric field effects. Bioelectrochemistry, 1983, 11, 181-185.	1.0	16
6	Breakdown of lipid bilayer membranes in an electric field. Biochimica Et Biophysica Acta - Biomembranes, 1983, 736, 203-213.	2.6	105
7	The Molecular Genetics of Human Hemoglobin. Progress in Molecular Biology and Translational Science, 1984, 31, 315-465.	1.9	385
8	Prospects for Human Gene Therapy. Science, 1984, 226, 401-409.	12.6	542
9	Stochastic model for electric field-induced membrane pores electroporation. Biophysical Chemistry, 1984, 19, 211-225.	2.8	257
10	Electric gene transfer into culture cells. Bioelectrochemistry, 1984, 13, 219-223.	1.0	20
11	Possibilities of cell fusion and transformation by electrostimulation. Bioelectrochemistry, 1984, 12, 119-133.	1.0	32
12	The electrical capacitance of bilayer membranes. Bioelectrochemistry, 1984, 12, 393-404.	1.0	46
13	Expression of DNA transferred into mammalian cells. Journal of Biosciences, 1984, 6, 543-567.	1.1	5
14	Correct transcription of an immunoglobulin \hat{I}^2 gene requires an upstream fragment containing conserved sequence elements. Nature, 1984, 310, 71-74.	27.8	703
15	Stimulated drug uptake in a photoreceptor cell. Neuroscience Letters, 1984, 50, 187-192.	2.1	19
16	Electrofusion. Experimental Cell Research, 1984, 150, 477-482.	2.6	62
17	Electrophotoluminescence and the electrical properties of the photosynthetic membrane. II. Electric field-induced electrical breakdown of the photosynthetic membrane and its recovery. Biochimica Et Biophysica Acta - Bioenergetics, 1984, 767, 507-514.	1.0	10
18	Expression of the Thy-1 glycoprotein gene by DNA-mediated gene transfer Proceedings of the National Academy of Sciences of the United States of America, 1984, 81, 5532-5536.	7.1	60

#	ARTICLE	IF	CITATIONS
19	Enhancer-dependent expression of human kappa immunoglobulin genes introduced into mouse pre-B lymphocytes by electroporation Proceedings of the National Academy of Sciences of the United States of America, 1984, 81, 7161-7165.	7.1	931
20	A method for incorporating macromolecules into adherent cells Journal of Cell Biology, 1984, 98, 1556-1564.	5.2	296
21	Expression of genes transferred into monocot and dicot plant cells by electroporation Proceedings of the National Academy of Sciences of the United States of America, 1985, 82, 5824-5828.	7.1	772
22	A putative origin of replication of plasmids derived from Epstein-Barr virus is composed of two cis-acting components Molecular and Cellular Biology, 1985, 5, 1822-1832.	2.3	517
23	A vector that replicates as a plasmid and can be efficiently selected in B-lymphoblasts transformed by Epstein-Barr virus Molecular and Cellular Biology, 1985, 5, 410-413.	2.3	515
24	A novel method for transformation of intact yeast cells by electroinjection of plasmid DNA. Applied Microbiology and Biotechnology, 1985, 21, 336.	3.6	129
25	Electric field mediated stable transformation of carrot protoplasts with naked DNA. Plant Cell Reports, 1985, 4, 355-359.	5.6	70
26	Stable replication of plasmids derived from Epstein–Barr virus in various mammalian cells. Nature, 1985, 313, 812-815.	27.8	1,399
27	Insertion of DNA sequences into the human chromosomal \hat{l}^2 -globin locus by homologous recombination. Nature, 1985, 317, 230-234.	27.8	978
28	High Efficiency Direct Gene Transfer to Plants. Nature Biotechnology, 1985, 3, 1099-1103.	17.5	246
29	Electrohydrodynamic stability of a fluid layer. Nuovo Cimento Della Societa Italiana Di Fisica D - Condensed Matter, Atomic, Molecular and Chemical Physics, Biophysics, 1985, 6, 291-308.	0.4	17
30	Gene transfer method for transient gene expression, stable transformation, and cotransformation of suspension cell cultures Molecular and Cellular Biology, 1985, 5, 1188-1190.	2.3	42
31	Electric field mediated transformation: Isolation and characterization of a TK+ subclone. Biochemical and Biophysical Research Communications, 1985, 129, 611-618.	2.1	58
32	Reversible and irreversible modification of erythrocyte membrane permeability by electric field. Biochimica Et Biophysica Acta - Biomembranes, 1985, 812, 779-785.	2.6	130
33	An improved electrofusion technique for production of mouse hybridoma cells. FEBS Letters, 1985, 182, 278-280.	2.8	79
34	Transformation of Saccharomyces cerevisiae spheroplasts by high electric pulse. FEBS Letters, 1985, 182, 90-94.	2.8	87
35	Fusion of mammalian cells in culture is obtained by creating the contact between cells after their electropermeabilization. Biochemical and Biophysical Research Communications, 1986, 140, 258-266.	2.1	133
36	Chemical electric field effects in biological macromolecules. Progress in Biophysics and Molecular Biology, 1986, 47, 197-231.	2.9	62

#	ARTICLE	IF	CITATIONS
37	A versatile low-cost apparatus for cell electrofusion and other electrophysiological treatments. Journal of Proteomics, 1986, 13, 65-75.	2.4	13
38	Molecular Breeding of Yeasts for Production of Useful Compounds: Novel Methods of Transformation and New Vector Systems. Biotechnology and Genetic Engineering Reviews, 1986, 4, 39-58.	6.2	6
39	Gene transfer into intact plant cells by electroinjection through cell walls and membranes. Gene, 1986, 41, 121-124.	2.2	67
40	Elementary Analysis of Chemical Electric Field Effects in Biological Macromolecules. , 1986, , 133-175.		2
41	Genetic transformation in higher plants. Critical Reviews in Plant Sciences, 1986, 4, 1-46.	5.7	196
42	Electric pulse-mediated gene transfer in mammalian cells grown in suspension culture Cell Structure and Function, $1986,11,191$ - $197.$	1.1	11
43	[19] Gene transfer methods for studying the regulation and expression of neuropeptide genes. Methods in Enzymology, 1986, 124, 278-294.	1.0	0
44	Expression of a foreign gene linked to either a plant-virus or a Drosophila promoter, after electroporation of protoplasts of rice, wheat, and sorghum. Proceedings of the National Academy of Sciences of the United States of America, 1986, 83, 6815-6819.	7.1	155
45	Stable expression of selectable genes introduced into human hematopoietic stem cells by electric field-mediated DNA transfer Proceedings of the National Academy of Sciences of the United States of America, 1986, 83, 3496-3499.	7.1	102
46	Inhibition of gene expression in plant cells by expression of antisense RNA. Proceedings of the National Academy of Sciences of the United States of America, 1986, 83, 5372-5376.	7.1	247
47	Transfer of cloned human class I major histocompatibility complex genes into HLA mutant human lymphoblastoid cells Molecular and Cellular Biology, 1986, 6, 1074-1087.	2.3	58
48	Conduction onset criteria for transient aqueous pores and reversible electrical breakdown in bilayer membranes. Bioelectrochemistry, 1986, 15, 229-241.	1.0	25
49	Volume and ionic composition changes in erythrocytes after electric breakdown. Bioelectrochemistry, 1986, 16, 455-467.	1.0	12
50	Electroporation-mediated infection of tobacco leaf protoplasts with tobacco mosaic virus RNA and cucumber mosaic virus RNA. Plant Cell Reports, 1986, 5, 57-60.	5.6	53
51	Experession and integration of genes introduced into highly synchronized plant protoplasts. Molecular Genetics and Genomics, 1986, 205, 398-403.	2.4	77
52	Stable transformation of maize after gene transfer by electroporation. Nature, 1986, 319, 791-793.	27.8	654
53	Electromanipulation of plant protoplasts. Physiologia Plantarum, 1986, 67, 507-516.	5.2	37
54	Electronic Genetic-Physical and Biological Aspects of Cellular Electromanipulation. IEEE Engineering in Medicine and Biology Magazine, 1986, 5, 6-25.	0.8	86

#	ARTICLE	IF	Citations
55	Isolation of a mutant LLC-PK1 cell line defective in hormonal responsiveness. A pleiotropic lesion in receptor function. FEBS Journal, 1986, 160, 407-412.	0.2	35
56	The interaction betweenE. coli spheroplasts and plant protoplasts: A proposed procedure to deliver foreign genes into plant cells. Protoplasma, 1986, 130, 153-161.	2.1	2
57	Derepression of HPRT locus on inactive X chromosome of human lymphoblastoid cell line. Somatic Cell and Molecular Genetics, 1986, 12, 541-554.	0.7	5
58	Direct alteration of a gene in the human genome. Journal of Inherited Metabolic Disease, 1986, 9, 92-97.	3.6	5
59	Electrical breakdown, electropermeabilization and electrofusion., 1986,, 175-256.		399
60	Use of electroporation to introduce biologically active foreign genes into primary rat hepatocytes Molecular and Cellular Biology, 1986, 6, 716-718.	2.3	109
61	Electric field-mediated DNA transfer: transient and stable gene expression in human and mouse lymphoid cells Molecular and Cellular Biology, 1986, 6, 703-706.	2.3	192
62	High Efficiency Electro-transfection of Tobacco Mesophyll Protoplasts with Tobacco Mosaic Virus RNA. Journal of General Virology, 1986, 67, 2037-2042.	2.9	42
63	[19] Direct gene transfer to protoplasts of dicotyledonous and monocotyledonous plants by a number of methods, including electroporation. Methods in Enzymology, 1987, , 313-336.	1.0	14
64	Permeabilizing Soybean Protoplasts to Macromolecules Using Electroporation and Hypotonic Shock. Plant Physiology, 1987, 83, 24-28.	4.8	28
65	Gene Transfer in Cereals. Science, 1987, 236, 1259-1262.	12.6	59
66	The mechanism of osmotic transfection of avian embryonic erythrocytes: analysis of a system for studying developmental gene expression Journal of Cell Biology, 1987, 105, 1055-1065.	5.2	34
67	Foreign Gene Expression in Plant Cells. Progress in Molecular Biology and Translational Science, 1987, 34, 143-188.	1.9	3
68	Hormone-regulated phosphoinositide turnover in permeabilized cells and membranes. Methods in Enzymology, 1987, 141, 111-126.	1.0	12
69	[25] Electric modification of membrane permeability for drug loading into living cells. Methods in Enzymology, 1987, 149, 248-259.	1.0	35
70	[20] Uptake of DNA and RNA into cells mediated by electroporation. Methods in Enzymology, 1987, 153, 336-350.	1.0	15
71	Lipofection: a highly efficient, lipid-mediated DNA-transfection procedure Proceedings of the National Academy of Sciences of the United States of America, 1987, 84, 7413-7417.	7.1	4,800
72	Regulation of membrane IgM expression in secretory B cells: translational and post-translational events EMBO Journal, 1987, 6, 3969-3977.	7.8	118

#	Article	IF	Citations
73	Cloning vectors for expression of cDNA libraries in mammalian cells Proceedings of the National Academy of Sciences of the United States of America, 1987, 84, 8277-8281.	7.1	39
74	Human globin gene promoter sequences are sufficient for specific expression of a hybrid gene transfected into tissue culture cells Molecular and Cellular Biology, 1987, 7, 398-402.	2.3	53
75	Strontium phosphate transfection of human cells in primary culture: stable expression of the simian virus 40 large-T-antigen gene in primary human bronchial epithelial cells Molecular and Cellular Biology, 1987, 7, 2031-2034.	2.3	99
76	Membrane potential induced by external electric field pulses can be followed with a potentiometric dye. Biophysical Journal, 1987, 51, 833-837.	0.5	87
77	Electroporation for the efficient transfection of mammalian cells with DNA. Nucleic Acids Research, 1987, 15, 1311-1326.	14.5	909
78	Site-directed mutagenesis by gene targeting in mouse embryo-derived stem cells. Cell, 1987, 51, 503-512.	28.9	2,323
79	Use of electroporation to study the cytotoxic effects of fluorodeoxyuridylate in intact cells. Biochemical Pharmacology, 1987, 36, 1345-1348.	4.4	14
80	Infection of tobacco protoplasts with in vitro transcribed tobacco mosaic virus RNA using an improved electroporation method. FEBS Letters, 1987, 219, 65-69.	2.8	108
81	Efficient transient and stable expression in mammalian cells of transfected genes using erythrocyte ghost fusion. Experimental Cell Research, 1987, 173, 218-231.	2.6	6
82	The electrical breakdown of cell and lipid membranes: the similarity of phenomenologies. Biochimica Et Biophysica Acta - Biomembranes, 1987, 902, 360-373.	2.6	217
83	Large scale transfection of mouse L-cells by electropermeabilization. Biochimica Et Biophysica Acta - Biomembranes, 1987, 900, 38-44.	2.6	66
84	Inoculation of protoplasts with viruses by electroporation. Virology, 1987, 157, 40-46.	2.4	31
85	Electroconformational coupling and membrane protein function. Progress in Biophysics and Molecular Biology, 1987, 50, 1-45.	2.9	152
86	Intranuclear uptake and persistence of biologically active DNA after electroporation of mammalian cells. Journal of Proteomics, 1987, 14, 223-232.	2.4	27
87	The long-lived fusogenic state induced in erythrocyte ghosts by electric pulses is not laterally mobile. Biophysical Journal, 1987, 52, 1015-1020.	0.5	50
88	High-efficiency transformation of mammalian cells by plasmid DNA Molecular and Cellular Biology, 1987, 7, 2745-2752.	2.3	5,785
89	Creation of a processed pseudogene by retroviral infection. Cell, 1987, 49, 93-102.	28.9	114
90	Stable expression of a selectable myeloproliferative sarcoma virus in murine T lymphocyte and monocyte cell lines. Immunobiology, 1987, 174, 313-325.	1.9	2

#	Article	IF	CITATIONS
91	Analysis by flow cytometry of the primary events of Petunia hybrida protoplast transformation. Plant Science, 1987, 51, 215-223.	3.6	13
92	Direct gene transfer by electroporation in Brassica napus. Plant Science, 1987, 52, 111-116.	3.6	99
93	Electric field-mediated gene transfer (electroporation) into mouse friend and human K562 erythroleukemic cells. Gene Analysis Techniques, 1987, 4, 50-56.	1.0	22
94	Expression from Heterologous Promoters in Electroporated Carrot Protoplasts. Plant Physiology, 1987, 83, 742-746.	4.8	53
95	Polymeric immunoglobulin M is secreted by transfectants of non-lymphoid cells in the absence of immunoglobulin J chain EMBO Journal, 1987, 6, 2753-2758.	7.8	136
96	Human gene therapy: possibilities and limitations. Experientia, 1987, 43, 375-378.	1.2	6
97	The permeability of electroporated cells and protoplasts of sugar beet. Planta, 1987, 172, 346-355.	3.2	35
98	Transient expression of electroporated DNA in monocotyledonous and dicotyledonous species. Plant Cell Reports, 1987, 6, 265-270.	5.6	162
99	Transient gene expression in electroporated protoplasts and intact cells of sugar beet. Plant Molecular Biology, 1987, 10, 43-52.	3.9	85
100	Electroporation: Parameters affecting transfer of DNA into mammalian cells. Analytical Biochemistry, 1987, 164, 44-52.	2.4	156
101	Design, construction, and use of an electroporator for plant protoplasts and animal cells. Analytical Biochemistry, 1987, 166, 342-348.	2.4	19
102	Transcription of a T cell receptor \hat{l}^2 chain gene in L cell fibroblasts following DNA-mediated gene transfer. European Journal of Immunology, 1987, 17, 1371-1374.	2.9	2
103	Model of cell electrofusion. Biophysical Chemistry, 1987, 26, 321-335.	2.8	110
104	Electric-field-induced morphological alterations and fusion of hepatocytes. Bioelectrochemistry, 1987, 17, 9-15.	1.0	11
105	Electroporative gene transfer (electrotransfection): A method for strain improvement of animal cells. Bioelectrochemistry, 1987, 17, 253-257.	1.0	5
106	Transfection of a DNA/protein complex into nuclei of mammalian cells using polyoma capsids and electroporation. Bioscience Reports, 1987, 7, 107-112.	2.4	8
107	Electro-enhancement of division of plant protoplast-derived cells. Protoplasma, 1987, 141, 169-176.	2.1	78
108	Overview of human cells in genetic research: Altered phenotypes in human cells caused by transferred genes. Somatic Cell and Molecular Genetics, 1987, 13, 429-440.	0.7	10

#	Article	IF	Citations
109	Introduction of plasmid DNA intoStreptomyces lividansby electroporation. FEMS Microbiology Letters, 1987, 42, 239-244.	1.8	46
110	Complementation between LLC-PK1 mutants affected in polypeptide hormone-receptor function. FEBS Journal, 1987, 162, 571-576.	0.2	12
111	Transient increase of the intracellular Ca2+ concentration during chemotactic signal transduction in Dictyostelium discoideum cells. Differentiation, 1988, 39, 90-96.	1.9	68
112	Electroporation in biology: Methods, applications, and instrumentation. Analytical Biochemistry, 1988, 174, 361-373.	2.4	329
113	Identification of microinjected cells using biotinylated antibodies and strep-avidin-conjugated horseradish peroxidase. Analytical Biochemistry, 1988, 174, 601-612.	2.4	3
114	Diffusion loading conditions determine recovery of protein synthesis in electroporated P3X63 Ag8 cells. Experientia, 1988, 44, 199-203.	1.2	38
115	Electrofusion of large volumes of cells in culture. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1988, 253, 59-66.	0.1	2
116	High-speed electro-fusion and electro-transfection of plant protoplasts by a continuous flow electro-manipulator. Plant Cell Reports, 1988, 7, 153-157.	5.6	22
117	Electroporation Increases DNA Synthesis in Cultured Plant Protoplasts. Nature Biotechnology, 1988, 6, 1091-1093.	17.5	33
118	High frequency transformation of Bordetella by electroporation. FEMS Microbiology Letters, 1988, 56, 123-126.	1.8	18
119	Effects of electric fields and currents on living cells and their potential use in biotechnology: A survey. Bioelectrochemistry, 1988, 20, 133-142.	1.0	19
120	Electrofusion of large volumes of cells in culture. Bioelectrochemistry, 1988, 19, 59-66.	1.0	16
121	Biophysics of electroinjection and electrofusion. Journal of Electrostatics, 1988, 21, 309-345.	1.9	66
122	Effects of electric fields and currents on living cells and their potential use in biotechnology: a survey. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1988, 254, 133-142.	0.1	0
123	Electrofusion of large volumes of cells in culture. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1988, 253, 49-57.	0.1	0
124	Factors influencing efficiency and reproducibility of polybrene-assisted gene transfer. Somatic Cell and Molecular Genetics, 1988, 14, 155-167.	0.7	35
125	The cleavage recognition signal is contained within sequences surrounding an a-a junction in herpes simplex virus DNA. Virology, 1988, 167, 25-30.	2.4	64
126	Retroviral-mediated gene transfer. Molecular Neurobiology, 1988, 2, 155-182.	4.0	3

#	Article	IF	CITATIONS
127	The $5\hat{a} \in \mathbb{Z}^2$ flanking region of the human pS2 gene mediates its transcriptional activation by estrogen in MCF-7 cells. Biochemical and Biophysical Research Communications, 1988, 151, 306-313.	2.1	21
128	High efficiency transformation of E.coli by high voltage electroporation. Nucleic Acids Research, 1988, 16, 6127-6145.	14.5	2,796
129	Transient electropermeabilization of cells in culture. Biochemical Pharmacology, 1988, 37, 4727-4733.	4.4	397
130	Codominant expression of a mutation affecting the cAMP-dependent protein kinase catalytic subunit in somatic cell hybrids of LLC-PK1 cells. Experimental Cell Research, 1988, 176, 129-140.	2.6	2
131	Introduction of definite amounts of nonpermeant molecules into living cells after electropermeabilization: Direct access to the cytosol. Experimental Cell Research, 1988, 175, 15-25.	2.6	267
132	Transformation of Tetrahymena thermophila by electroporation and parameters effecting cell survival. Experimental Cell Research, 1988, 174, 525-532.	2.6	21
133	Introduction of macromolecules into mammalian cells by cell fusion. Experimental Cell Research, 1988, 178, 1-17.	2.6	31
134	An improved method of electroporation for introducing biologically active foreign genes into cultured mammalian cells. Experimental Cell Research, 1988, 178, 154-162.	2.6	26
135	Electroporation of Cultured adult rat hepatocytes with the c-myc gene potentiates DNA synthesis in response to epidermal growth factor. Experimental Cell Research, 1988, 178, 296-306.	2.6	13
136	DNA cleavage based on high voltage electric pulse. FEBS Letters, 1988, 234, 357-361.	2.8	9
137	Electroporation: High frequency of occurrence of a transient high-permeability state in erythrocytes and intact yeast. FEBS Letters, 1988, 229, 30-34.	2.8	97
138	Electro-stimulated transformation of E. colicells pretreated by EDTA solution. FEBS Letters, 1988, 234, 203-207.	2.8	16
139	Isolation of overproducing recombinant mammalian cell lines by a fast and simple selection procedure. Gene, 1988, 73, 419-426.	2.2	77
140	Increased efficiency of transfection of murine hybridoma cells with DNA by electropermeabilization. Journal of Immunological Methods, 1988, 109, 145-151.	1.4	17
141	DNA transfection of Escherichia coli by electroporation. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 1988, 949, 318-324.	2.4	109
142	Gene transfection and lymphocyte immortalization: a new approach to human monoclonal antibody production. Advanced Drug Delivery Reviews, 1988, 2, 207-228.	13.7	20
143	Electroporation-mediated improvement of plant regeneration from colt cherry (Prunus avium $ ilde{A}$ —) Tj ETQq 0 0 0 r_0	gBT /Overl	ock 10 Tf 50
144	Electroporation Stimulates Plant Regeneration from Protoplasts of the Woody Medicinal SpeciesSolarium dulcamaraL Journal of Experimental Botany, 1988, 39, 1267-1274.	4.8	44

#	Article	IF	Citations
145	Electroporation of Mammalian Cells with a Firefly Luciferase Expression Plasmid: Kinetics of Transient Expression Differ Markedly among Cell Types. DNA and Cell Biology, 1988, 7, 557-562.	5.2	69
146	The electroporation hysteresis. Ferroelectrics, 1988, 86, 325-333.	0.6	20
147	Identification of an immunodominant region on the I-A beta chain using site-directed mutagenesis and DNA-mediated gene transfer Journal of Experimental Medicine, 1988, 167, 473-487.	8.5	43
148	The intron requirement for immunoglobulin gene expression is dependent upon the promoter. Nucleic Acids Research, 1988, 16, 6713-6724.	14.5	90
149	Establishment of a transient expression system for Dictyostelium discoideum. Nucleic Acids Research, 1988, 16, 2613-2623.	14.5	228
150	Direct Gene Transfer into Plant Protoplasts. , 1988, 4, 519-536.		1
151	Alpha-cell-specific expression of the glucagon gene is conferred to the glucagon promoter element by the interactions of DNA-binding proteins Molecular and Cellular Biology, 1988, 8, 4877-4888.	2.3	152
152	Submicrosecond Imaging Under A Pulsed-Laser Fluorescence Microscope. , 1988, , .		2
153	Expression of T-cell receptor alpha-chain genes in transgenic mice Molecular and Cellular Biology, 1988, 8, 5459-5469.	2.3	59
154	High-voltage electroporation of bacteria: genetic transformation of Campylobacter jejuni with plasmid DNA Proceedings of the National Academy of Sciences of the United States of America, 1988, 85, 856-860.	7.1	230
155	Electric shock-mediated transfection of cells. Characterization and optimization of electrical parameters. Biochemical Journal, 1988, 251, 427-434.	3.7	36
156	Chapter 10 Incorporation of Macromolecules into Living Cells. Methods in Cell Biology, 1988, 29, 153-173.	1.1	95
157	Chapter 11 Establishing a Stable Expression System for Studies of Acetylcholine Receptors. Current Topics in Membranes and Transport, 1988, 33, 219-247.	0.6	5
158	Stimulation of pancreatic islet beta-cell replication by oncogenes Proceedings of the National Academy of Sciences of the United States of America, 1988, 85, 116-120.	7.1	42
159	Gene transfer from targeted liposomes to specific lymphoid cells by electroporation Proceedings of the National Academy of Sciences of the United States of America, 1988, 85, 8027-8031.	7.1	38
160	Vectors for Gene Transfer in Higher Plants. , 1989, , 3-34.		4
161	Methods for Transforming Plant Cells. , 1989, , 35-51.		3
162	Efficient DNA-Mediated Gene Transfer into Primary Cultures of Adult Rat Hepatocytes. DNA and Cell Biology, 1989, 8, 535-541.	5.2	38

#	Article	IF	CITATIONS
163	Cell Biological Aspects of Gene Delivery into Plant Protoplasts by Electroporation. International Review of Cytology, 1989, 116, 229-255.	6.2	15
164	Highly inducible expression from vectors containing multiple GRE's in CHO cells overexpressing the glucocorticoid receptor. Nucleic Acids Research, 1989, 17, 4589-4604.	14.5	73
165	Enhanced transfection efficiency and improved cell survival after electroporation of G2/M-synchronized cells and treatment with sodium butyrate. Nucleic Acids Research, 1989, 17, 3959-3971.	14.5	71
166	Increased expression of DNA cointroduced with nuclear protein in adult rat liver. Science, 1989, 243, 375-378.	12.6	489
167	A nonuniform electrical field electroporation chamber design. Analytical Biochemistry, 1989, 182, 253-256.	2.4	1
168	Electrically stimulated rupture of cell membranes with a conducting polymer-coated electrode. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1989, 276, 23-35.	0.1	2
169	Regulated expression of muscle-specific genes introduced into mouse embryonal stem cells: inverse correlation with DNA methylation. Differentiation, 1989, 41, 116-126.	1.9	19
170	lonic-strength modulation of electrically induced permeabilization and associated fusion of mammalian cells. FEBS Journal, 1989, 179, 109-115.	0.2	106
171	Testing for electrotransfection parameters by use of the fluorescent dye Lucifer Yellow CH. Analytical Biochemistry, 1989, 181, 309-314.	2.4	11
172	Establishment and application of a standard method of electroporation for introduction of plasmid and cosmid DNAs to mammalian cells. Bioelectrochemistry, 1989, 21, 355-366.	1.0	4
173	Electrically stimulated rupture of cell membranes with a conducting polymer-coated electrode. Bioelectrochemistry, 1989, 22, 23-35.	1.0	19
174	Establishment and application of a standard method of electroporation for introduction of plasmid and cosmid DNAs to mammalian cells. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1989, 275, 355-366.	0.1	0
175	Transient gene expression in electroporated Solanum protoplasts. Plant Molecular Biology, 1989, 13, 503-511.	3.9	43
176	Factors influencing stable transformation of maize protoplasts by electroporation. Plant Cell, Tissue and Organ Culture, 1989, 18, 281-296.	2.3	26
177	Electrotransformation of intact and osmotically sensitive cells of Corynebacterium glutamicum. Applied Microbiology and Biotechnology, 1989, 30, 283.	3.6	40
178	Cell poration and cell fusion using an oscillating electric field. Biophysical Journal, 1989, 56, 641-652.	0.5	204
179	Electro-mechanical permeabilization of lipid vesicles. Role of membrane tension and compressibility. Biophysical Journal, 1989, 55, 1001-1009.	0.5	267
180	RNA transfection of Escherichia coli by electroporation. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 1989, 1007, 127-129.	2.4	5

#	ARTICLE	IF	CITATIONS
181	Transformation of Lycopersicon peruvianum and Lycopersicon esculentum mesophyll protoplasts by electroporation. Plant Science, 1989, 65, 63-75.	3.6	18
182	Highly efficient DNA delivery mediated by pH-sensitive immunoliposomes. Biochemistry, 1989, 28, 9508-9514.	2.5	150
183	A rapid and efficient procedure for transformation of intact Saccharomyces cerevisiae by electroporation. Biochemical and Biophysical Research Communications, 1989, 164, 1157-1164.	2.1	21
184	Cytoskeletal reorganization during electric-field-induced fusion of Chinese hamster ovary cells grown in monolayers. Biochimica Et Biophysica Acta - Biomembranes, 1989, 981, 295-302.	2.6	38
185	Signal transduction by membrane receptors in viable electropermeabilized cells: isoproterenol-stimulated cyclic AMP synthesis in C6 glioma cells. Biochimica Et Biophysica Acta - Biomembranes, 1989, 984, 243-251.	2.6	6
186	Cellular senescence involves stochastic processes causing loss of expression of differentiated function genes: Transfection with SV40 as a means for dissociating effects of senescence on growth and on differentiated function gene expression. Experimental Cell Research, 1989, 180, 49-62.	2.6	32
187	Electric-field-induced permeabilization and fusion of embryonic amphibian cells. Experimental Cell Research, 1989, 184, 207-218.	2.6	6
188	Electroporation: application to human lympboid cell lines for stable introduction of a transactivator gene of human T-cell leukemia virus type I. Nucleic Acids Research, 1989, 17, 1589-1604.	14.5	94
189	Neutral selection of transfected mammalian cells using tissue plasminogen activator gene expression. Gene, 1989, 81, 151-158.	2.2	3
190	Overexpression of the human BCL-2 gene product results in growth enhancement of Epstein-Barr virus-immortalized B cells Proceedings of the National Academy of Sciences of the United States of America, 1989, 86, 1958-1962.	7.1	120
191	Transfection of Leishmania enriettii and expression of chloramphenicol acetyltransferase gene Proceedings of the National Academy of Sciences of the United States of America, 1989, 86, 9119-9123.	7.1	115
192	Electrotransfection of Plant Protoplasts with Viral Nucleic Acids. Advances in Virus Research, 1989, 37, 329-342.	2.1	9
193	[43] Permeabilizing mammalian cells to macromolecules. Methods in Enzymology, 1989, 171, 857-869.	1.0	15
194	Chapter 9 Delivery of Macromolecules into Cells Expressing a Viral Membrane Fusion Protein. Methods in Cell Biology, 1989, 31, 155-176.	1.1	29
195	Electric field mediated transfer of enzymes into human oocytes**Presented in part at the 45th Annual Meeting of The American Fertility Society, San Francisco, California, November 13 to 16, 1989. â€â€Supported by a research grant from The Ohio State University Hospitals, Columbus, Ohio Fertility and Sterility, 1990, 53, 1044-1048.	1.0	3
196	Genetic engineering of human lymphocytes for the production of monoclonal antibodies. Human Antibodies, 1990, 1, 27-33.	1.5	5
197	Transformation of Staphylococcus epidermidisand other staphylococcal species with plasmid DNA by electroporation. FEMS Microbiology Letters, 1990, 66, 203-207.	1.8	178
198	Interspecies electro-transformation in Corynebacteria. FEMS Microbiology Letters, 1990, 66, 263-269.	1.8	63

#	Article	IF	CITATIONS
199	High Efficiency Transformation of Intact Yeast Cells by Electric Field Pulses. Nature Biotechnology, 1990, 8, 223-227.	17.5	119
200	The effects of a single high voltage electrical stimulation with an anticancer drug onin vivo growing malignant tumors. The Japanese Journal of Surgery, 1990, 20, 197-204.	0.2	26
201	Electroporation as a new technique for producing transgenic fish. Cell Differentiation and Development, 1990, 29, 123-128.	0.4	123
202	Optimized transformation by electroporation of Lactobacillus plantarum strains with plasmid vectors. Applied Microbiology and Biotechnology, 1990, 33, 664-670.	3.6	45
203	Transient electropermeabilization of barley (Hordeum vulgare L.) microspores to propidium iodide. Plant Cell, Tissue and Organ Culture, 1990, 23, 125-129.	2.3	21
204	Short DNA fragments induce site specific recombination in mammalian cells. Molecular and Cellular Biochemistry, 1990, 92, 107-16.	3.1	24
205	Antigen presentation by keratinocytes induces tolerance in human T cells. European Journal of Immunology, 1990, 20, 1893-1897.	2.9	174
206	Establishment of immortalized primate epithelial cells with sub-genomic EBV DNA. International Journal of Cancer, 1990, 45, 763-772.	5.1	27
207	Gene transfer into brain tumor cell lines: Reporter gene expression using various cellular and viral promoters. Journal of Neuroscience Research, 1990, 26, 390-396.	2.9	16
208	On electroporation of cell membranes and some related phenomena. Bioelectrochemistry, 1990, 24, 271-295.	1.0	133
209	Implications of membrane interface structural forces in electropermeabilization and electrofusion. Bioelectrochemistry, 1990, 24, 101-111.	1.0	16
210	Implications of membrane interface structural forces in electropermeabilization and electrofusion. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1990, 299, 101-111.	0.1	2
211	On electroporation of cell membranes and some related phenomena. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1990, 299, 271-295.	0.1	16
212	Expression and targeting of intracellular antibodies in mammalian cells EMBO Journal, 1990, 9, 101-108.	7.8	143
213	An unusual structure of a putative T cell oncogene which allows production of similar proteins from distinct mRNAs EMBO Journal, 1990, 9, 857-868.	7.8	58
214	Development of New Cell Lines for Animal Cell Biotechnology. Critical Reviews in Biotechnology, 1990, 10, 155-178.	9.0	25
215	Electroporation of Adherent Cells <i>In Situ</i> . DNA and Cell Biology, 1990, 9, 615-621.	1.9	48
216	Integration of transgenic fish into aquaculture. Food Reviews International, 1990, 6, 373-388.	8.4	8

#	Article	IF	Citations
217	Transfection of Chicken Embryo Fibroblasts with Marek's Disease Virus DNA. Avian Diseases, 1990, 34, 345.	1.0	68
218	Gene targeting in murine embryonic stem cells: Introduction of specific alterations into the mammalian genome. Gene Analysis Techniques, 1990, 7, 219-227.	1.0	28
219	Use of in vivo and in vitro assays for the characterization of mammalian excision repair and isolation of repair proteins. Mutation Research DNA Repair, 1990, 236, 223-238.	3.7	38
220	Cytotoxic effects of expression of human superoxide dismutase in bovine adrenocortical cells. Mutation Research - DNAging, 1990, 237, 95-106.	3.2	38
221	Study of mechanisms of electric field-induced DNA transfection. I. DNA entry by surface binding and diffusion through membrane pores. Biophysical Journal, 1990, 58, 13-19.	0.5	118
222	Electroporation of the photosynthetic membrane. Biophysical Journal, 1990, 58, 823-832.	0.5	26
223	Study of mechanisms of electric field-induced DNA transfection. II. Transfection by low-amplitude, low-frequency alternating electric fields. Biophysical Journal, 1990, 58, 897-903.	0.5	49
224	Introduction of Stable High-Copy-Number DNA into Chinese Hamster Ovary Cells by Electroporation. DNA and Cell Biology, 1990, 9, 293-300.	1.9	43
225	Electroporation of Bacteria: A General Approach to Genetic Transformation., 1990, 12, 275-295.		33
226	Transfer of the gene for neomycin resistance into goldfish, Carassius auratus. Aquaculture, 1990, 85, 21-33.	3.5	34
227	Transfection and gene expression in normal and malignant primary B lymphocytes. Journal of Immunological Methods, 1990, 133, 77-85.	1.4	27
228	Recombinant fowlpox viruses inducing protective immunity against Newcastle disease and fowlpox viruses. Vaccine, 1990, 8, 486-490.	3.8	40
229	DNA transfection of mouse lymphoid cells by the combination of DEAE-dextran-mediated DNA uptake and osmotic shock procedure. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 1990, 1048, 105-109.	2.4	68
230	Selective production of hybridoma cells: Antigenic-based pre-selection of B lymphocytes for electrofusion with myeloma cells. Biochimica Et Biophysica Acta - Molecular Cell Research, 1990, 1055, 199-206.	4.1	22
231	DNA uptake during electroporation of germinating pollen grains. Plant Science, 1990, 70, 181-190.	3.6	37
232	Quantitative Relationship between Parameters of Electroporation. Journal of Plant Physiology, 1990, 137, 169-174.	3.5	21
233	Reversible large-scale deformations in the membranes of electrically-treated cells: electroinduced bleb formation. Biochimica Et Biophysica Acta - Biomembranes, 1990, 1023, 1-11.	2.6	60
234	Specific electropermeabilization of leucocytes in a blood sample and application to large volumes of cells. Biochimica Et Biophysica Acta - Biomembranes, 1990, 1028, 154-160.	2.6	67

#	Article	IF	Citations
235	Electrostimulated uptake of DNA by liposomes. Biochimica Et Biophysica Acta - Biomembranes, 1990, 1024, 179-183.	2.6	63
236	Membrane electroporaton — fast molecular exchange by electroosmosis. Biochimica Et Biophysica Acta - Biomembranes, 1990, 1022, 381-392.	2.6	142
237	Addition of serum to electroporated cells enhances survival and transfection efficiency. Biochemical and Biophysical Research Communications, 1990, 171, 752-757.	2.1	27
238	Specific antisense RNA inhibition of growth hormone production in differentiated rat pituitary tumour cells. Biochemical and Biophysical Research Communications, 1990, 171, 293-300.	2.1	12
239	Cloning and expression of a cDNA for human cytochrome P-450aldo as related to primary aldosteronism. Biochemical and Biophysical Research Communications, 1990, 173, 309-316.	2.1	162
240	Changes in membrane structure induced by electroporation as revealed by rapid-freezing electron microscopy. Biophysical Journal, 1990, 58, 1-12.	0.5	493
241	Electroporation of cell membranes. Biophysical Journal, 1991, 60, 297-306.	0.5	926
242	Electroporation of lymphoid cells: factors affecting the efficiency of transfection. Journal of Proteomics, 1991, 22, 207-222.	2.4	29
243	Electrochemotherapy potentiation of antitumour effect of bleomycin by local electric pulses. European Journal of Cancer & Clinical Oncology, 1991, 27, 68-72.	0.7	527
244	Problems encountered in detecting a targeted gene by the polymerase chain reaction. Gene, 1991, 103, 227-233.	2.2	17
245	A new leukemogenic retrovirus isolated from tumor cells derived from a radio-induced lymphoma of C57BL/6 mice: analysis of the env and LTR sequences. Virus Research, 1991, 18, 117-134.	2.2	1
246	Liposomes for the transformation of eukaryotic cells. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 1991, 1097, 1-17.	3.8	98
247	The effects of electric field-mediated transfer of nonpermeable molecules of meiosis, fertilization, and early embryo development. American Journal of Obstetrics and Gynecology, 1991, 165, 1480-1486.	1.3	0
248	Electrotransformation in Salmonella typhimurium LT2. Canadian Journal of Microbiology, 1991, 37, 474-477.	1.7	60
249	Somatic embryogenesis in conifers. Canadian Journal of Botany, 1991, 69, 1873-1899.	1.1	235
250	Increased binding of liposomes to cells by electric treatment. Biochimica Et Biophysica Acta - Biomembranes, 1991, 1070, 193-197.	2.6	7
251	Escherichia coli membranes during electrotransformation: an electron microscopy study. Biochimica Et Biophysica Acta - Biomembranes, 1991, 1066, 21-28.	2.6	18
252	Molecular cloning of cDNA encoding adipogenesis inhibitory factor and identity with interleukin-11. FEBS Letters, 1991, 283, 199-202.	2.8	145

#	Article	IF	CITATIONS
253	Isolation of a population of transiently transfected quiescent and senescent cells by magnetic affinity cell sorting. Experimental Cell Research, 1991, 192, 193-197.	2.6	33
254	Electroporation of extraneous proteins into CHO cells: Increased efficacy by utilizing centrifugal force and microsecond electrical pulses. Experimental Cell Research, 1991, 197, 207-212.	2.6	10
255	A novel assay for the in vivo study of Schwann cells. Experimental Neurology, 1991, 114, 140-143.	4.1	13
256	Chapter 4In oculo transplantation studies involving the neural retina and its pigment epithelium. Progress in Retinal and Eye Research, 1991, 10, 69-88.	0.8	15
257	Gene transfer into vascular cells. Journal of the American College of Cardiology, 1991, 17, 189-194.	2.8	76
258	Optimized conditions for electrotransformation of bacteria are related to the extent of electropermeabilization. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 1991, 1088, 135-138.	2.4	30
259	High efficiency gene transfection by electroporation using a radio-frequency electric field. Biochimica Et Biophysica Acta - Molecular Cell Research, 1991, 1092, 153-160.	4.1	83
260	Improved electrofusion of protoplasts of varied fusibility by selective pairing: application of asymmetric breakdown of plasma membranes. Plant Science, 1991, 75, 93-105.	3.6	6
261	[4] Plasmid transformation of Escherichia coli and other bacteria. Methods in Enzymology, 1991, 204, 63-113.	1.0	515
262	Electrically induced DNA uptake by cells is a fast process involving DNA electrophoresis. Biophysical Journal, 1991, 60, 804-811.	0.5	201
263	The effects of electric field-mediated transfer of nonpermeable molecules of meiosis, fertilization, and early embryo development. American Journal of Obstetrics and Gynecology, 1991, 165, 1480-1486.	1.3	2
264	Transgenic Fish for Aquaculture. , 1991, 13, 331-370.		64
265	Evaluation of the electroinjection method for introducing proteins into living cells. American Journal of Physiology - Cell Physiology, 1991, 260, C355-C363.	4.6	303
266	Transient replication of BPV-1 requires two viral polypeptides encoded by the E1 and E2 open reading frames EMBO Journal, 1991, 10, 449-457.	7.8	418
267	[10] Heterologous expression of mammalian P450 in COS cells. Methods in Enzymology, 1991, 206, 100-108.	1.0	33
268	The electric field strength distribution in sample chambers commonly used in electrofusion of cells. Bioelectrochemistry, 1991, 26, 205-210.	1.0	0
269	Stable transfer of plasmid pSV3 neo in CV-1 cells by electroporation. Bioelectrochemistry, 1991, 26, 339-343.	1.0	1
270	Kinetics of pore resealing in cell membranes after electroporation. Bioelectrochemistry, 1991, 26, 1-13.	1.0	73

#	Article	IF	CITATIONS
271	Kinetics of pore resealing in cell membranes after electroporation. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1991, 321, 1-13.	0.1	37
272	The electric field strength distribution in sample chambers commonly used in electrofusion of cells. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1991, 321, 205-210.	0.1	0
273	Stable transfer of plasmid pSV3 neo in CV-1 cells by electroporation. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1991, 321, 339-343.	0.1	1
274	Electroporation of bovine spermatozoa to carry foreign DNA in oocytes. Molecular Reproduction and Development, 1991, 29, 6-15.	2.0	94
275	Purification and characterization of infectious Marek's disease virus genomes using pulsed field electrophoresis. Virology, 1991, 185, 673-680.	2.4	26
276	Gene transfer and cardiovascular disease. Trends in Cardiovascular Medicine, 1991, 1, 12-17.	4.9	17
277	Electroporation: Mechanism and transient expression, stable transformation and biological effects in plant protoplasts. Physiologia Plantarum, 1991, 81, 256-264.	5.2	40
278	CD4 and CD8 accessory molecules function through interactions with major histocompatibility complex molecules which are not directly associated with the T cell receptor-antigen complex. European Journal of Immunology, 1991, 21, 2507-2515.	2.9	24
279	USF-related transcription factor, HIV-TF1, stimulates transcription of human immunodeficiency virus-1. Nucleic Acids Research, 1991, 19, 4689-4694.	14.5	32
280	Mechanisms Of Electric DNA Transfection Of Cells. , 0, , .		0
281	Electroporation by using bipolar oscillating electric field: an improved method for DNA transfection of NIH 3T3 cells Proceedings of the National Academy of Sciences of the United States of America, 1991, 88, 4230-4234.	7.1	193
282	Stable integration and expression in mouse cells of yeast artificial chromosomes harboring human genes Proceedings of the National Academy of Sciences of the United States of America, 1991, 88, 2179-2183.	7.1	34
283	Mechanisms of cell transfection by electroporation: Field induced DNA uptake and transfection efficiency. , 1992 , , .		0
284	[33] pac Gene as efficient dominant marker and reporter gene in mammalian cells. Methods in Enzymology, 1992, 216, 376-385.	1.0	57
285	Electrotransfection of protoplasts from tomato, wild tomato, barley and chrysanthemum with tobacco mosaic virus RNA. Journal of General Virology, 1992, 73, 763-766.	2.9	2
286	Improved Encapsulation of DNA in pH-Sensitive Liposomes for Transfection. Journal of Liposome Research, 1992, 2, 125-139.	3.3	27
287	Role of steroid 11 beta-hydroxylase and steroid 18-hydroxylase in the biosynthesis of glucocorticoids and mineralocorticoids in humans Proceedings of the National Academy of Sciences of the United States of America, 1992, 89, 1458-1462.	7.1	224
288	Primary Structure and Characterization of the Precursor to Human Pituitary Adenylate Cyclase Activating Polypeptide. DNA and Cell Biology, 1992, 11, 21-30.	1.9	93

#	Article	IF	CITATIONS
289	Transfection by Electroporation. Current Protocols in Immunology, 1992, 3, Unit 10.15.	3.6	2
290	Structure and Dynamics of Electric Field-Induced Membrane Pores as Revealed by Rapid-Freezing Electron Microscopy., 1992,, 9-27.		12
291	Time Sequence of Molecular Events in Electroporation. , 1992, , 47-61.		6
292	Biophysical Considerations of Membrane Electroporation. , 1992, , 77-90.		17
293	Progress toward a Theoretical Model for Electroporation Mechanism: Membrane Electrical Behavior and Molecular Transport., 1992,, 91-117.		10
294	Mechanisms of Electroporation and Electrofusion. , 1992, , 119-138.		3
295	Electroinsertion: An Electrical Method for Protein Implantation into Cell Membranes., 1992,, 327-346.		1
296	Protocols for Using Electroporation to Stably or Transiently Transfect Mammalian Cells. , 1992, , 457-463.		1
297	Design of Protocols for Electroporation and Electrofusion: Selection of Electrical Parameters., 1992,, 429-455.		3
298	Protocols of Electroporation and Electrofusion for Producing Human Hybridomas., 1992,, 507-522.		0
299	Enhanced Transfection of a Bacterial Plasmid into Hybridoma Cells by Electroporation: Application for the Selection of Hybrid Hybridoma (Quadroma) Cell Lines. Hybridoma, 1992, 11, 41-51.	0.6	5
300	Improvements in the Epstein-Barr-based shuttle vector system for direct cloning in human tissue culture cells. Methods, 1992, 4, 133-142.	3.8	21
301	Increased cytomegalovirus infection of human fibroblast and endothelial cells by electroporation. Journal of Virological Methods, 1992, 38, 167-174.	2.1	4
302	Study of mechanisms of electric field-induced DNA transfection. III. Electric parameters and other conditions for effective transfection. Biophysical Journal, 1992, 63, 28-34.	0.5	47
303	Study of mechanisms of electric field-induced DNA transfection. IV. Effects of DNA topology on cell uptake and transfection efficiency. Biophysical Journal, 1992, 63, 1026-1031.	0.5	60
304	Electroporation and electrophoretic DNA transfer into cells. The effect of DNA interaction with electropores. Biophysical Journal, 1992, 63, 1320-1327.	0.5	308
305	Determination of electric field threshold for electrofusion of erythrocyte ghosts. Comparison of pulse-first and contact-first protocols. Biophysical Journal, 1992, 61, 810-815.	0.5	12
306	Experimental evidence for the involvement of the cytoskeleton in mammalian cell electropermeabilization. Biochimica Et Biophysica Acta - Biomembranes, 1992, 1111, 45-50.	2.6	86

#	Article	IF	CITATIONS
307	Introduction of large molecules into viable fibroblasts by electroporation: Optimization of loading and identification of labeled cellular compartments. Experimental Cell Research, 1992, 200, 227-234.	2.6	49
308	Expression of human pituitary adenylate cyclase activating polypeptide (PACAP) cDNA in CHO cells and characterization of the products. FEBS Letters, 1992, 298, 49-56.	2.8	26
309	Expression of Resistance to Potato Virus X in Potato Protoplasts Isolated from Immune Varieties Nihon Shokubutsu Byori Gakkaiho = Annals of the Phytopathological Society of Japan, 1992, 58, 315-318.	0.1	1
310	Overview of Electroporation and Electrofusion. , 1992, , 1-6.		54
311	A ten-minute protocol for transforming Saccharomyces cerevisiae by electroporation. Current Genetics, 1992, 22, 335-336.	1.7	44
312	Electrostimulated regeneration of plantlets from protoplasts derived from cell suspensions of barley (Hordeum vulgare). Physiologia Plantarum, 1992, 85, 289-294.	5.2	21
313	Optimal Electric Conditions in Electrical Impulse Chemotherapy. Japanese Journal of Cancer Research, 1992, 83, 1095-1101.	1.7	60
314	Membrane electroporation and direct gene transfer. Journal of Electroanalytical Chemistry, 1992, 343, 247-267.	3.8	26
315	Membrane electroporation and direct gene transfer. Bioelectrochemistry, 1992, 28, 247-267.	1.0	94
316	Electroporation-mediated gene transfer into hepatocytes: Preservation of a growth hormone response. Analytical Biochemistry, 1992, 204, 147-151.	2.4	30
317	Inhibition of lipoxygenase activity in lentil protoplasts by monoclonal antibodies introduced into the cells via electroporation. FEBS Journal, 1992, 205, 995-1001.	0.2	21
318	Highly efficient transfection of mammalian cells by electric field pulses. Application to large volumes of cell culture by using a flow system. FEBS Journal, 1992, 206, 115-121.	0.2	51
319	Fast kinetics studies of Escherichia coli electrotransformation. FEBS Journal, 1992, 209, 431-436.	0.2	53
320	Spectrofluorometric assay for the quantitation of cell-tissue electrofusion. Analytical Biochemistry, 1992, 202, 286-292.	2.4	11
321	Electroporation of exogenous antigen into the cytosol for antigen processing and class I major histocompatibility complex (MHC) presentation: weak base amines and hypothermia ($18\hat{A}^{\circ}C$) inhibit the class I MHC processing pathway. European Journal of Immunology, 1992, 22, 1865-1869.	2.9	37
322	Exogenous uptake and release of molecules by electroloaded cells: A digitized videomicroscopy study. Bioelectrochemistry, 1993, 31, 237-257.	1.0	22
323	Effect of n-alcohols on the electrotransformation and permeability of Saccharomyces cerevisiae. Applied Microbiology and Biotechnology, 1993, 38, 795-798.	3.6	4
324	Transformation of Zymononas mobilis by electroporation. Applied Microbiology and Biotechnology, 1993, 39, 305.	3.6	16

#	Article	IF	Citations
325	Purification and characterization of interferon-like antiviral protein derived from flatfish (Paralichthys olivaceus) lymphocytes immortalized by oncogenes. Cytotechnology, 1993, 11, 121-131.	1.6	22
326	Electroporation of rapeseed protoplasts - transient and stable transformation. Physiologia Plantarum, 1993, 88, 604-611.	5.2	17
327	Cell electropermeabilization: a new tool for biochemical and pharmacological studies. BBA - Biomembranes, 1993, 1154, 51-63.	8.0	229
328	Analysis of electroporation-induced genetic damages in V79/AP4 Chinese hamster cells. Mutation Research - Environmental Mutagenesis and Related Subjects Including Methodology, 1993, 291, 163-169.	0.4	6
329	Heat shock and osmotically dependent steps by DNA uptake after Escherichia coli electroporation. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 1993, 1216, 286-288.	2.4	11
330	Electroporation as a technique for the transfer of macromolecules into mammalian cell lines. Cytotechnology, 1993, 15, 56-62.	0.3	11
331	Pharmacological Approaches to the Prevention of Restenosis Following Angioplasty. Drugs, 1993, 46, 18-52.	10.9	128
332	Effects of Repeated Exposure to High-Voltage Electric Discharges and Low-Frequency Electromagnetic Fields on Cultured Mouse P3×63Ag8 Plasmocytoma Cells. Electromagnetic Biology and Medicine, 1993, 12, 125-134.	0.4	2
333	Genetic analysis of human placental aromatase deficiency. Journal of Steroid Biochemistry and Molecular Biology, 1993, 44, 331-340.	2.5	20
334	Gene transfer via electroporation in fish. Aquaculture, 1993, 111, 207-213.	3.5	20
335	Bioelectrorheological model of the cell. 4. Analysis of the extensil deformation of cellular membrane in alternating electric field. Biophysical Journal, 1993, 65, 535-540.	0.5	12
336	[45] Magnetic affinity cell sorting to isolate transiently transfected cells, multidrug-resistant cells, somatic cell hybrids, and virally infected cells. Methods in Enzymology, 1993, 218, 637-651.	1.0	13
337	Suppression of cell motility and metastasis by transfection with human motility-related protein (MRP-1/CD9) DNA Journal of Experimental Medicine, 1993, 177, 1231-1237.	8.5	276
338	Gene Transfer to Lentil Protoplasts by Lipofection and Electroporation. Journal of Liposome Research, 1993, 3, 707-716.	3.3	2
339	Liposome Mediated Gene Transfer into Vascular Cells. Journal of Liposome Research, 1993, 3, 179-199.	3.3	5
340	Dexamethasone negatively regulates the activity of a chimeric dihydrofolate reductase/glucocorticoid receptor protein Proceedings of the National Academy of Sciences of the United States of America, 1993, 90, 4290-4294.	7.1	33
341	[34] Application of electroporation in recombinant DNA technology. Methods in Enzymology, 1993, 217, 461-478.	1.0	40
342	[25] Introduction of plasmid DNA and nuclear protein into cells by using erythrocyte ghosts, liposomes, and sendai virus. Methods in Enzymology, 1993, 221, 317-327.	1.0	6

#	Article	IF	CITATIONS
343	[27] Electroinjection. Methods in Enzymology, 1993, 221, 339-361.	1.0	9
344	[26] Delivery of liposome-encapsulated RNA to cells expressing influenza virus hemagglutinin. Methods in Enzymology, 1993, 221, 327-339.	1.0	11
345	Modulation of expression of endogenous collagenase and collagen genes by electroporation: possible involvement of Ca2+ and protein kinase C. Biochemical Journal, 1993, 290, 135-138.	3.7	14
346	[42] Receptor-mediated transport of DNA into eukaryotic cells. Methods in Enzymology, 1993, 217, 618-644.	1.0	102
347	Gene transfer via electroporation in fish. , 1993, , 207-213.		0
348	[15] Expression of heterologous integrin genes in cultured eukaryotic cells. Methods in Enzymology, 1994, 245, 297-316.	1.0	6
349	A self-initiating eukaryotic transient gene expression system based on cotransfection of bacteriophage T7 RNA polymerase and DNA vectors containing a T7 autogene. Nucleic Acids Research, 1994, 22, 2114-2120.	14.5	31
350	Structural Organization of the Human Tyrosinase Gene and Sequence Analysis and Characterization of its Promoter Region. Journal of Investigative Dermatology, 1994, 102, 744-748.	0.7	45
351	Study of electroinjection of genes in cell under electrical fields. , 0, , .		0
352	Dip patch clamp currents suggest electrodiffusive transport of the polyelectrolyte DNA through lipid bilayers. Biophysical Chemistry, 1994, 52, 267-274.	2.8	43
353	Recovery of transgenic trees after electroporation of poplar protoplasts. Transgenic Research, 1994, 3, 13-19.	2.4	28
354	Cloning and expression of the A2a adenosine receptor from guinea pig brain. Neurochemical Research, 1994, 19, 613-621.	3.3	50
355	Characterization of exocytosis in electropermeabilized neutrophils by flow cytometric analysis: Difference in sensitivity to calcium and guanosine-5′-[γ-thio]triphosphate. Cytometry, 1994, 15, 230-236.	1.8	7
356	Construction of a low cost and simple electroporator for high transformation efficiencies in E. coli strains. The Chemical Engineering Journal and the Biochemical Engineering Journal, 1994, 56, B75-B77.	0.1	0
357	Studies on electroporation of thermally and chemically treated human erythrocytes. Bioelectrochemistry, 1994, 34, 129-134.	1.0	10
358	Modification of electroporative response of erythrocytes by EDTA in isotonic solutions. Bioelectrochemistry, 1994, 34, 189-193.	1.0	3
359	Gene therapy utilizing drug resistance genes: A review. Stem Cells, 1994, 12, 378-385.	3.2	31
360	Expression of rat α-fetoprotein cDNA and its mutants in cultured mouse fibroblasts and identification of glycosylation sites related to electrophoretic variants. BBA - Proteins and Proteomics, 1994, 1208, 332-337.	2.1	3

#	Article	IF	CITATIONS
361	Influence of glucose and other substrates on electric field and polyethylene glycol-mediated transformation of intact yeast cells. FEMS Microbiology Letters, 1994, 121, 159-164.	1.8	3
362	Electropermeabilization mediates a stable insertion of glycophorin A with Chinese hamster ovary cell membranes. FEBS Journal, 1994, 219, 1031-1039.	0.2	17
363	Generation of reactive-oxygen species induced by electropermeabilization of Chinese hamster ovary cells and their consequence on cell viability. FEBS Journal, 1994, 223, 25-33.	0.2	137
364	Gene transfer systems and transposition. , 1994, , 1-51.		32
365	Micromachined electroporation system for transgenic fish. Journal of Biotechnology, 1994, 34, 35-42.	3.8	25
366	Cloning and characterization of a pharmacologically distinct A1 adenosine receptor from guinea pig brain. Molecular Brain Research, 1994, 26, 143-155.	2.3	14
367	Manipulation of Cell Cytoskeleton Affects the Lifetime of Cell Membrane Electropermeabilization. Annals of the New York Academy of Sciences, 1994, 720, 98-110.	3.8	74
368	[30] Bacterial transformation by electroporation. Methods in Enzymology, 1994, 235, 375-385.	1.0	39
369	Control by pulse parameters of electric field-mediated gene transfer in mammalian cells. Biophysical Journal, 1994, 66, 524-531.	0.5	214
370	Electropermeabilization of cells in tissues assessed by the qualitative and quantitative electroloading of bleomycin. Biochimica Et Biophysica Acta - Biomembranes, 1994, 1190, 155-163.	2.6	119
371	Saturation mutagenesis at dihydrofolate reductase codons 22 and 31 A variety of amino acid substitutions conferring methotrexate resistance. Biochemical Pharmacology, 1994, 47, 1207-1220.	4.4	31
372	Nucleic acid transfer through cells membranes: Towards the underlying mechanisms. Progress in Biophysics and Molecular Biology, 1994, 62, 119-152.	2.9	16
373	Substitution of Arginine 719 for Glutamic Acid in Human Plasminogen Substantially Reduces Its Affinity for Streptokinase. Biochemistry, 1994, 33, 12042-12047.	2.5	18
374	Food application of high electric field pulses. Trends in Food Science and Technology, 1994, 5, 71-75.	15.1	237
375	Potentiation of Antitumor Effect of Bleomycin by Local Electric Pulses in Mouse Bladder Tumor Tohoku Journal of Experimental Medicine, 1994, 172, 291-293.	1.2	35
376	Reciprocal regulation of the Epstein-Barr virus BamHl-F promoter by EBNA-1 and an E2F transcription factor Molecular and Cellular Biology, 1994, 14, 7144-7152.	2.3	61
377	Towards a new concept of gene inactivation: specific RNA cleavage by endogenous ribonuclease P. Biotechnology Annual Review, 1995, 1, 215-265.	2.1	14
378	Processing of iduronate 2-sulphatase in human fibroblasts. Biochemical Journal, 1995, 309, 425-430.	3.7	29

#	Article	IF	CITATIONS
379	Optimisation of gene transfer into vascular endothelial cells using electroporation. European Journal of Vascular and Endovascular Surgery, 1995, 9, 71-79.	1.5	19
380	A SURVEY OF SPERM MEDIATED DNAâ€₹RANSFER IN FARM ANIMALS. Reproduction in Domestic Animals, 1995, 31, 211-216.	1.4	O
381	Spatial Compartmentation and Time Resolution of Photooxidation of a Cell Membrane Probe in Electropermeabilized Chinese Hamster Ovary Cells. FEBS Journal, 1995, 228, 710-718.	0.2	8
382	Nucleotide sequence of the 5′-flanking region of the rat type II hexokinase gene. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 1995, 1260, 365-368.	2.4	11
383	Evidence for transmembrane electron transfer coupled to proton secretion in plasma membrane vesicles loaded by electroporation. Protoplasma, 1995, 184, 22-30.	2.1	7
384	Flanking and Intragenic Sequences Regulating the Expression of the Rabbit $\hat{l}\pm$ -Globin Gene. Journal of Biological Chemistry, 1995, 270, 3965-3973.	3.4	16
385	pac Gene as Efficient Dominant Marker and Reporter Gene in Mammalian Cells., 1995,, 129-138.		0
386	Polymer IgM assembly and secretion in lymphoid and nonlymphoid cell lines: evidence that J chain is required for pentamer IgM synthesis Proceedings of the National Academy of Sciences of the United States of America, 1995, 92, 2884-2888.	7.1	72
387	Electroporation and Electrofusion of Membranes. Handbook of Biological Physics, 1995, , 851-901.	0.8	21
388	Polymer-Supported Electrofusion of Protoplasts: A Novel Method and a Synergistic Effect. , 1995, 55, 189-202.		0
389	Transfection Techniques for Producing Recombinant Baculoviruses., 1995, 39, 97-106.		7
390	Physical and functional interaction of the Epstein-Barr virus BZLF1 transactivator with the retinoic acid receptors RARÂ and RXRÂ. Nucleic Acids Research, 1995, 23, 1729-1736.	14.5	37
391	RECOMBINANT DNA CLONING. , 1995, , 45-134.		0
392	Calcium-mediated DNA adsorption to yeast cells and kinetics of cell transformation by electroporation. Biophysical Journal, 1996, 71, 868-877.	0.5	115
393	Laser microbeams for the manipulation of plant cells and subcellular structures. Plant Science, 1996, 113, 1-11.	3.6	24
394	In vivo gene electroinjection and expression in rat liver. FEBS Letters, 1996, 389, 225-228.	2.8	380
395	Characterization of calcium phosphate as a gene carrier (II): Zeta potential and DNA transfection. Drug Delivery, 1996, 3, 181-186.	5.7	3
396	The Biotechnology of Gene Therapy. Drug Development and Industrial Pharmacy, 1996, 22, 791-803.	2.0	3

#	Article	IF	CITATIONS
397	Prevention of Restenosis by Local Drug Delivery. Journal of Cardiovascular Pharmacology and Therapeutics, 1996, 1, 177-188.	2.0	1
398	Transfection Maximizer Increases the Efficiency of Calcium Phosphate Transfections with Mammalian Cells. BioTechniques, 1996, 21, 940-945.	1.8	2
399	Enhancing the Effect of Anticancer Drugs against the Colorectal Cancer Cell Line with Electroporation Tohoku Journal of Experimental Medicine, 1996, 180, 161-171.	1.2	12
400	Manipulating DNA: from Cloning to Knockouts. Foundations of Modern Biochemistry, 1996, 2, 27-57.	0.6	1
401	Transfection techniques for producing recombinant baculoviruses. Molecular Biotechnology, 1996, 6, 329-334.	2.4	4
402	Electropermeabilization of Intact Maize Cells Induces an Oxidative Stress. FEBS Journal, 1996, 238, 737-743.	0.2	56
403	Electrochemotherapy: transition from laboratory to the clinic. IEEE Engineering in Medicine and Biology Magazine, 1996, 15, 124-132.	0.8	35
404	Electro-optics of membrane electroporation in diphenylhexatriene-doped lipid bilayer vesicles. Biophysical Chemistry, 1996, 58, 109-116.	2.8	53
405	Electrooptics of membrane electroporation and vesicle shape deformation. Current Opinion in Colloid and Interface Science, 1996, 1, 790-799.	7.4	36
406	Theory of electroporation: A review. Bioelectrochemistry, 1996, 41, 135-160.	1.0	1,327
407	Electroluminescence. Photosynthesis Research, 1996, 48, 107-116.	2.9	10
408	Enhancement of HSV-DNA infectivity, in Vero and RS cells, by a modified calcium-phosphate transfection technique. Virus Genes, 1996, 12, 193-197.	1.6	9
409	Electroporation-mediated transient gene expression in isolated scutella of Hordeum vulgare. Physiologia Plantarum, 1996, 98, 20-27.	5.2	12
410	Syndecan-1 mediates cell spreading in transfected human lymphoblastoid (Raji) cells Journal of Cell Biology, 1996, 132, 1209-1221.	5.2	72
411	STAT3 Participates in Transcriptional Activation of the C-reactive Protein Gene by Interleukin-6. Journal of Biological Chemistry, 1996, 271, 9503-9509.	3.4	251
412	High-Level Production of Recombinant Proteins in CHO Cells Using a Dicistronic DHFR Intron Expression Vector. Nucleic Acids Research, 1996, 24, 1774-1779.	14.5	90
413	Studies of in vivo Gene Transfer by Electropulsation at the Low Skin Resistance Points (LSRPs). Drug Delivery, 1997, 4, 281-292.	5.7	0
414	Transcriptional Modulation of Viral Reporter Gene Constructs Following Induction of the Cellular Stress Response. Nucleic Acids Research, 1997, 25, 1082-1084.	14.5	24

#	Article	IF	Citations
415	Optimization of Transfection of Human Endothelial Cells. Endothelium: Journal of Endothelial Cell Research, 1997, 5, 21-35.	1.7	46
416	CpG Islands from the α-Globin Gene Cluster Increase Gene Expression in an Integration-Dependent Manner. Molecular and Cellular Biology, 1997, 17, 5856-5866.	2.3	16
418	Breaking the Barrier: Methods for Reversible Permeabilization of Cellular Membranes. Critical Reviews in Biotechnology, 1997, 17, 105-122.	9.0	78
419	Transfection by Electroporation. Current Protocols in Neuroscience, 1997, 1, A.1E.1-A.1E.5.	2.6	4
420	Efficient Transfer of Genes into Senescent Cells by Adenovirus Vectors via Highly Expressed $\hat{l}\pm v\hat{l}^2$ 5 Integrin. Biochemical and Biophysical Research Communications, 1997, 240, 88-92.	2.1	26
421	Effects of Electrochemotherapy on CaSki Cells Derived from a Cervical Squamous Cell Carcinoma. Gynecologic Oncology, 1997, 65, 297-303.	1.4	15
422	Electrotransformation pathways of procaryotic and eucaryotic cells: recent developments. Bioelectrochemistry, 1997, 44, 103-110.	1.0	32
423	Lucigenin-derived chemiluminescence in Saccharomyces cerevisiae. Bioelectrochemistry, 1997, 44, 77-82.	1.0	12
424	Cationic lipids used in gene transfer. Advanced Drug Delivery Reviews, 1997, 27, 17-28.	13.7	129
425	Gene transfer by electroporation. Molecular Biotechnology, 1997, 7, 5-35.	2.4	91
426	In vitro studies of liposome-mediated gene transfer into head and neck cancer cell lines. European Archives of Oto-Rhino-Laryngology, 1997, 254, S130-S132.	1.6	1
427	Electroporation: basic principles, practical considerations and applications in molecular biology. Bioprocess and Biosystems Engineering, 1997, 16, 261.	0.5	84
428	Generation of a high-producing clone of a humanized anti-B-cell lymphoma monoclonal antibody (hLL2). Cancer, 1997, 80, 2660-2666.	4.1	13
429	Lipid-Mediated Transfection of Normal Adult Human Hepatocytes in Primary Culture. Analytical Biochemistry, 1997, 247, 34-44.	2.4	26
430	Gene transfer: A prelude to gene therapy. Cytotechnology, 1998, 19, 231-242.	0.7	2
431	Kinetics of the electroporative deformation of lipid vesicles and biological cells in an electric field. Zeitschrift Fur Elektrotechnik Und Elektrochemie, 1998, 102, 670-675.	0.9	25
432	In vivo electrically mediated protein and gene transfer in murine melanoma. Nature Biotechnology, 1998, 16, 168-171.	17.5	393
433	Calculation of the electrical parameters in electrochemotherapy of solid tumours in mice. Computers in Biology and Medicine, 1998, 28, 439-448.	7.0	44

#	Article	IF	CITATIONS
434	Effects of the weak alternating electric field on Na+ concentration inside human red blood cells. Bioelectrochemistry, 1998, 45, 127-130.	1.0	3
435	Direct monitoring of the field strength during electropulsation. Bioelectrochemistry, 1998, 47, 119-127.	1.0	10
436	Optimized conditions for gene transfection into the human eosinophilic cell line EoL-1 by electroporation. Journal of Immunological Methods, 1998, 215, 105-111.	1.4	9
437	Energy dissipation as a key factor for electroporation of protoplasts. Molecular Biotechnology, 1998, 10, 209-216.	2.4	11
438	Transfer of foreign receptors to living cell surfaces: the bioelectrochemical approach. Bioelectrochemistry, 1998, 46, 115-120.	1.0	7
439	In vitro and ex vivo electrically mediated permeabilization and gene transfer in murine melanoma. Bioelectrochemistry, 1998, 47, 129-134.	1.0	13
440	A new tool for efficient transfection of dog and human thyrocytes in primary culture. Molecular and Cellular Endocrinology, 1998, 142, 35-39.	3.2	17
441	Long-term, high level in vivo gene expression after electric pulse-mediated gene transfer into skeletal muscle. Comptes Rendus De L'Acad©mie Des Sciences Série 3, Sciences De La Vie, 1998, 321, 893-899.	0.8	157
442	Direct gene transfer into rat liver cells by in vivo electroporation. FEBS Letters, 1998, 425, 436-440.	2.8	206
443	The Importance of Electric Field Distribution for Effective in Vivo Electroporation of Tissues. Biophysical Journal, 1998, 74, 2152-2158.	0.5	236
444	Neuronal Transfection Using Particleâ€Mediated Gene Transfer. Current Protocols in Neuroscience, 1998, 5, Unit 3.15.	2.6	7
445	Efficient and Stable Gene Transfer Following Microinjection into Nuclei of Synchronized Animal Cells Progressing from G1/S Boundary to Early S Phase. Biochemical and Biophysical Research Communications, 1998, 249, 849-852.	2.1	10
446	Low Voltage Electroporation of the Skin, or Is It Iontophoresis?. Biophysical Journal, 1998, 74, 679-680.	0.5	14
447	Evaluation of the Electrostatic Field Strength at the Site of Exocytosis in Adrenal Chromaffin Cells. Biophysical Journal, 1998, 75, 1237-1243.	0.5	23
448	Electropermeabilization of Mammalian Cells to Macromolecules: Control by Pulse Duration. Biophysical Journal, 1998, 75, 1415-1423.	0.5	295
449	Electrooptics Studies of Escherichia coli Electropulsation: Orientation, Permeabilization, and Gene Transfer. Biophysical Journal, 1998, 75, 2587-2596.	0.5	26
450	Mechanism of Electroporative Dye Uptake by Mouse B Cells. Biophysical Journal, 1998, 74, 98-108.	0.5	134
451	Control by Osmotic Pressure of Voltage-Induced Permeabilization and Gene Transfer in Mammalian Cells. Biophysical Journal, 1998, 74, 3015-3022.	0.5	126

#	Article	IF	Citations
452	Gene transfer to cultured human endometrial stromal cells: a model to study cyclooxygenase-2 gene regulation. Fertility and Sterility, 1998, 70, 734-739.	1.0	3
453	High expression of a B-domain deleted factor VIII gene in a human hepatic cell line. Journal of Biotechnology, 1998, 61, 165-173.	3.8	17
454	Lipid-Mediated Gene Transfer into Normal Adult Human Hepatocytes in Primary Culture. , 1998, 107, 371-380.		1
455	Gene Deliver Technology. , 1999, , 293-322.		1
456	Selective Cloning of Cell Surface Proteins Involved in Organ Development: Epithelial Glycoprotein Is Involved in Normal Epithelial Differentiation. Endocrinology, 1999, 140, 5841-5854.	2.8	10
457	A novel method for increasing the transformation efficiency of Escherichia coliapplication for bacterial artificial chromosome library construction. Nucleic Acids Research, 1999, 27, 910-911.	14.5	24
458	Passive entry of a DNA molecule into a small pore. Proceedings of the National Academy of Sciences of the United States of America, 1999, 96, 7262-7264.	7.1	94
459	Electric pulse-induced precipitation of biological macromolecules in electroporation. Bioelectrochemistry, 1999, 48, 249-254.	1.0	28
460	Fundamentals of electroporative delivery of drugs and genes. Bioelectrochemistry, 1999, 48, 3-16.	1.0	354
461	Pore resealing inactivation in electroporated erythrocyte membrane irradiated with electrons. Bioelectrochemistry, 1999, 48, 441-445.	1.0	6
462	Efficient targeting of gene expression in chick embryos by microelectroporation. Development Growth and Differentiation, 1999, 41, 335-344.	1.5	284
463	Electrotransformation of Lactobacillus manihotivorans LMG 18010T and LMG 18011. Journal of Applied Microbiology, 1999, 87, 99-107.	3.1	7
464	Changes in Electroporation Thresholds of Lipid Membranes by Surfactants and Peptides. Annals of the New York Academy of Sciences, 1999, 888, 249-265.	3.8	30
465	Transformation of Paramecium tetraurelia by Electroporation or Particle Bombardment. Journal of Eukaryotic Microbiology, 1999, 46, 56-65.	1.7	66
466	Improving electrotransfection efficiency by post-pulse centrifugation. Gene Therapy, 1999, 6, 364-372.	4.5	18
467	Distribution of Progesterone Receptor in Female Mouse Tissues. General and Comparative Endocrinology, 1999, 115, 429-441.	1.8	60
468	Optimizing Electroporation Conditions for the Transformation of Mammalian Cells., 2000, 130, 117-134.		26
469	In vivo delivery of recombinant human growth hormone from genetically engineered human fibroblasts implanted within Baxter immunoisolation devices. Journal of Molecular Medicine, 1999, 77, 211-214.	3.9	34

#	Article	IF	CITATIONS
470	Mechanisms of electrochemotherapy. Advanced Drug Delivery Reviews, 1999, 35, 107-118.	13.7	231
471	In vivo antitumor effects of electrochemotherapy in a tongue cancer model. Journal of Oral and Maxillofacial Surgery, 1999, 57, 965-972.	1.2	11
472	Kinetics of sealing for transient electropores in isolated mammalian skeletal muscle cells. Bioelectromagnetics, 1999, 20, 194-201.	1.6	73
473	Methods of Genetic Transformation: Electroporation and Polyethylene Glycol Treatment. Advances in Cellular and Molecular Biology of Plants, 1999, , 9-20.	0.2	17
474	Genetic Transformation of Medicinal Plants. Biotechnology in Agriculture and Forestry, 1999, , 1-29.	0.2	6
475	Effect of an osmotic differential on the efficiency of gene transfer by electroporation of fish spermatozoa. Aquaculture, 1999, 173, 297-307.	3.5	13
476	The generation of reactive-oxygen species associated with long-lasting pulse-induced electropermeabilisation of mammalian cells is based on a non-destructive alteration of the plasma membrane. Biochimica Et Biophysica Acta - Biomembranes, 1999, 1461, 123-134.	2.6	81
477	Time Courses of Mammalian Cell Electropermeabilization Observed by Millisecond Imaging of Membrane Property Changes during the Pulse. Biophysical Journal, 1999, 76, 2158-2165.	0.5	145
478	High-efficiency gene transfer into skeletal muscle mediated by electric pulses. Proceedings of the National Academy of Sciences of the United States of America, 1999, 96, 4262-4267.	7.1	865
479	Apoptosis Induced by DNA Uptake Limits Transfection Efficiency. Experimental Cell Research, 1999, 253, 541-550.	2.6	48
480	Determination of Optimal Parameters for in Vivo Gene Transfer by Electroporation, Using a Rapid in Vivo Test for Cell Permeabilization. Biochemical and Biophysical Research Communications, 1999, 261, 377-380.	2.1	133
481	Transfection and Expression of Exogenous Connexins in Mammalian Cells. , 2001, 154, 187-199.		4
482	Toxicity of anticancer agents mediated by electroporation in vitro. Anti-Cancer Drugs, 2000, 11, 201-208.	1.4	135
483	Transdermal Drug Delivery Using Electroporation. I. Factors Influencing In Vitro Delivery of Terazosin Hydrochloride in Hairless Rats. Journal of Pharmaceutical Sciences, 2000, 89, 528-535.	3.3	28
484	Volume changes of isolated human K562 leukemia cells induced by electric field pulses. , 2000, 67, 520-528.		17
485	Cryopreservation of competent intact yeast cells for efficient electroporation. Yeast, 2000, 16, 889-896.	1.7	35
486	Particle-mediated gene therapy of wounds. Wound Repair and Regeneration, 2000, 8, 452-459.	3.0	61
487	Comparative evaluation of gene delivery devices in primary cultures of rat hepatic stellate cells and rat myofibroblasts. BMC Cell Biology, 2000, 1 , 4 .	3.0	31

#	Article	IF	CITATIONS
488	Electroporation of curved lipid membranes in ionic strength gradients. Biophysical Chemistry, 2000, 85, 249-271.	2.8	20
489	Digression on chemical electromagnetic field effects in membrane signal transduction â€" cooperativity paradigm of the acetylcholine receptor. Bioelectrochemistry, 2000, 52, 43-49.	4.6	27
490	Synthetic DNA delivery systems. Nature Biotechnology, 2000, 18, 33-37.	17.5	1,494
491	Efficient DNA electrotransfer into tumors. Bioelectrochemistry, 2000, 52, 83-90.	4.6	59
492	Perspectives for microelectrode arrays for biosensing and membrane electroporation. Bioelectrochemistry, 2000, 51, 125-132.	4.6	21
493	Second-order model of membrane electric field induced by alternating external electric fields. IEEE Transactions on Biomedical Engineering, 2000, 47, 1074-1081.	4.2	124
494	Electroporation of cells and tissues. IEEE Transactions on Plasma Science, 2000, 28, 24-33.	1.3	306
495	Electroporation of antibodies, DNA, and other macromolecules into cells: a highly efficient method. Journal of Immunological Methods, 2000, 242, 115-126.	1.4	51
496	Transfection of Lymantria dispar insect cell lines. Cytotechnology, 2000, 22, 257-263.	0.7	10
497	Efficient DNA transfection in neuronal and astrocytic cell lines. Molecular Biology Reports, 2000, 27, 113-121.	2.3	22
498	Medical applications of electroporation. IEEE Transactions on Plasma Science, 2000, 28, 206-223.	1.3	195
499	In-vitro and in-vivo studies of the efficacy of electrochemotherapy for renal cell carcinoma. International Journal of Clinical Oncology, 2000, 5, 303-307.	2.2	4
500	Use of Flow Cytometry to Rapidly Optimize the Transfection of Animal Cells. BioTechniques, 2000, 28, 148-154.	1.8	32
502	Amplifiable DNA from Gram-negative and Gram-positive bacteria by a low strength pulsed electric field method. Nucleic Acids Research, 2000, 28, 37e-0.	14.5	8
503	The Basis of Electrochemotherapy. , 2000, 37, 99-117.		24
504	Efficient Nonviral Cutaneous Transfection. Molecular Therapy, 2000, 2, 140-146.	8.2	112
505	Theory and in Vivo Application of Electroporative Gene Delivery. Molecular Therapy, 2000, 2, 178-187.	8.2	302
506	Intercellular Calcium Signaling and Flash Photolysis of Caged Compounds: A Sensitive Method to Evaluate Gap Junctional Coupling., 2001, 154, 407-430.		37

#	Article	IF	CITATIONS
507	Electroporation of Bacillus thuringiensis and Bacillus cereus. , 2000, , 242-252.		9
508	The Recruitment of the Interleukin-1 (IL-1) Receptor-associated Kinase (IRAK) into Focal Adhesion Complexes Is Required for IL- $1\hat{1}^2$ -induced ERK Activation. Journal of Biological Chemistry, 2000, 275, 23509-23515.	3.4	63
509	General Principles of Bacteria Electrotransformation: Key Steps. , 2000, , 3-22.		2
510	Highly efficient electro-gene therapy of solid tumor by using an expression plasmid for the herpes simplex virus thymidine kinase gene. Proceedings of the National Academy of Sciences of the United States of America, 2000, 97, 354-359.	7.1	147
511	hTERT Can Function with Rabbit Telomerase RNA: Regulation of Gene Expression and Attenuation of Apoptosis. Biochemical and Biophysical Research Communications, 2000, 278, 503-510.	2.1	47
512	Constitutive Activation of MAP Kinase Kinase (MEK1) Is Critical and Sufficient for the Activation of MMP-2. Experimental Cell Research, 2000, 254, 180-188.	2.6	59
513	Importance of association between permeabilization and electrophoretic forces for intramuscular DNA electrotransfer. Biochimica Et Biophysica Acta - General Subjects, 2000, 1474, 353-359.	2.4	188
514	Rapid tumor necrosis induced by electrochemotherapy with intratumoral injection of bleomycin in a hamster tongue cancer model. International Journal of Oral and Maxillofacial Surgery, 2000, 29, 119-125.	1.5	3
515	Effect of serum on in vitro electrically mediated gene delivery and expression in mammalian cells. Biochimica Et Biophysica Acta - Biomembranes, 2000, 1467, 362-368.	2.6	34
516	Electroporation-mediated gene transfer in free-swimming embryonic Xenopus laevis. FEBS Letters, 2000, 486, 29-32.	2.8	32
517	Transient <i>uidA</i> gene expression in electroporated cotyledonary protoplasts of <i>Pinus nigra</i> ssp. <i>salzmannii</i> and in bombarded cotyledons. Canadian Journal of Forest Research, 2000, 30, 448-455.	1.7	8
518	Brief Report: Muscle Transfection by Electroporation with High-Voltage and Short-Pulse Currents Provides High-Level and Long-Lasting Gene Expression. Human Gene Therapy, 2000, 11, 909-916.	2.7	119
519	Principles of Membrane Electroporation and Transport of Macromolecules., 2000, 37, 1-35.		14
520	DNA Cloning. General Consideration. , 2000, , 298-319.		0
521	DNA Cloning - Experimental Procedures. , 2000, , 320-373.		1
522	Nonviral Vectors in the New Millennium: Delivery Barriers in Gene Transfer. Human Gene Therapy, 2001, 12, 861-870.	2.7	550
523	Sparking New Frontiers: Using in Vivo Electroporation for Genetic Manipulations. Developmental Biology, 2001, 233, 13-21.	2.0	170
524	fucosyltransferase 1 and H-Type Complex Carbohydrates Modulate Epithelial Cell Proliferation during Prostatic Branching Morphogenesis. Developmental Biology, 2001, 233, 95-108.	2.0	32

#	ARTICLE	IF	CITATIONS
525	Voltage-Induced Nonconductive Pre-Pores and Metastable Single Pores in Unmodified Planar Lipid Bilayer. Biophysical Journal, 2001, 80, 1829-1836.	0.5	236
526	Efficient non-viral DNA-mediated gene transfer to human primary myoblasts using electroporation. Neuromuscular Disorders, 2001, 11, 341-349.	0.6	33
527	Transient gene expression in electroporated intact tissues of Stylosanthes guianensis (Aubl.) Sw Scientia Agricola, 2001, 58, 759-765.	1.2	2
528	Cyclic Voltammetric Measurements of Growth of Aspergillus terreus Analytical Sciences, 2001, 17, 481-484.	1.6	3
529	Future Strategy: Gene Therapy for Diabetic Nephropathy., 2001, 134, 127-132.		0
530	Control by membrane order of voltage-induced permeabilization, loading and gene transfer in mammalian cells. Bioelectrochemistry, 2001, 53, 25-34.	4.6	32
531	Electroporation-mediated PDGF receptor-lgG chimera gene transfer ameliorates experimental glomerulonephritis. Kidney International, 2001, 59, 2134-2145.	5.2	47
532	Microfabricated electroporation chip for single cell membrane permeabilization. Sensors and Actuators A: Physical, 2001, 89, 242-249.	4.1	161
533	Electroporation microchips for continuous gene transfection. Sensors and Actuators B: Chemical, 2001, 79, 137-143.	7.8	102
534	Electroporation Introduction of Diclofenac Sodium into Human Erythrocytes and Its Determination. Electroanalysis, 2001, 13, 1436-1440.	2.9	2
535	Annotated References by Year., 2001,, 651-770.		0
536	Response of electrically stimulated cells of Pseudomonas oleovorans strain ATCC 29347 suspended in silicone oil. FEMS Microbiology Letters, 2001, 199, 119-123.	1.8	1
537	Therapeutic perspectives of in vivo cell electropermeabilization. Bioelectrochemistry, 2001, 53, 1-10.	4.6	306
538	Combination of Electroporation and DNA/Dendrimer Complexes Enhances Gene Transfer into Murine Cardiac Transplants. American Journal of Transplantation, 2001, 1, 334-338.	4.7	37
539	Localization of glucocorticoid receptor interacting protein 1 in murine tissues using two novel polyclonal antibodies. European Journal of Endocrinology, 2001, 145, 323-333.	3.7	14
540	Highâ€efficiency electrotransfection of human primary hematopoietic stem sells. FASEB Journal, 2001, 15, 586-588.	0.5	54
541	Electroporation microchips forin vitrogene transfection. Journal of Micromechanics and Microengineering, 2001, 11, 542-547.	2.6	52
542	Electroporation-Mediated Tumor Necrosis Factor-Related Apoptosis-Inducing Ligand (TRAIL)/Apo2L Gene Therapy for Hepatocellular Carcinoma. Human Gene Therapy, 2002, 13, 275-286.	2.7	39

#	Article	IF	CITATIONS
543	Factors Controlling Electropermeabilisation of Cell Membranes. Technology in Cancer Research and Treatment, 2002, 1, 319-327.	1.9	10
544	Highly Efficient, Large Volume Flow Electroporation. Technology in Cancer Research and Treatment, 2002, 1, 341-349.	1.9	51
545	Mechanisms of in Vivo DNA Electrotransfer: Respective Contributions of Cell Electropermeabilization and DNA Electrophoresis. Molecular Therapy, 2002, 5, 133-140.	8.2	280
546	Plasmid DNA Electrotransfer: A New Non Viral Method for Gene Therapy in Oncology. Technology in Cancer Research and Treatment, 2002, 1, 149-152.	1.9	0
547	Induction of dental pulp stem cell differentiation into odontoblasts by electroporation-mediated gene delivery of growth/differentiation factor 11 (Gdf11). Gene Therapy, 2002, 9, 814-818.	4.5	102
548	Effective Treatment of Bladder Tumor-Bearing Mice by Direct Delivery of Bleomycin Using Electrochemotherapy. Drug Delivery, 2002, 9, 249-252.	5 . 7	8
549	Digression on Membrane Electroporation for Drug and Gene Delivery. Technology in Cancer Research and Treatment, 2002, 1, 329-339.	1.9	11
550	Applications of Plasmid Electrotransfer. Technology in Cancer Research and Treatment, 2002, 1, 351-354.	1.9	15
551	Overview of Electroporation. Technology in Cancer Research and Treatment, 2002, 1, 317-318.	1.9	11
552	Direct visualization at the single-cell level of electrically mediated gene delivery. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 1292-1297.	7.1	379
553	Gene Therapy of Human Disease. Medicine (United States), 2002, 81, 69-86.	1.0	38
554	Targeting growth factors to the kidney: myth or reality?. Current Opinion in Nephrology and Hypertension, 2002, 11 , 49-57.	2.0	9
555	Transgenic Fish: Production, Testing, and Risk Assessment., 2001,, 261-281.		3
556	Gene transfer into eukaryotic cells using activated polyamidoamine dendrimers. Reviews in Molecular Biotechnology, 2002, 90, 339-347.	2.8	85
557	Programmable chronopotentiometry as a tool for the study of electroporation and resealing of pores in bilayer lipid membranes. Biochimica Et Biophysica Acta - Biomembranes, 2002, 1561, 222-229.	2.6	37
558	Cell synchronization effect on mammalian cell permeabilization and gene delivery by electric field. Biochimica Et Biophysica Acta - Biomembranes, 2002, 1563, 23-28.	2.6	67
559	High-efficiency gene electrotransfer into skeletal muscle: description and physiological applicability of a new pulse generator. Biochemical and Biophysical Research Communications, 2002, 296, 443-450.	2.1	35
560	Ectopic bone formation by electroporatic transfer of bone morphogenetic protein-4 gene. Bone, 2002, 31, 340-347.	2.9	63

#	ARTICLE	IF	CITATIONS
561	Vascular reactions to in vivo electroporation: characterization and consequences for drug and gene delivery. Biochimica Et Biophysica Acta - General Subjects, 2002, 1569, 51-58.	2.4	177
562	Overcoming the Nuclear Barrier: Cell Cycle Independent Nonviral Gene Transfer with Linear Polyethylenimine or Electroporation. Molecular Therapy, 2002, 5, 80-86.	8.2	239
563	Factors influencing electroporation-mediated gene transfer to Stylosanthes guianensis (Aubl.) Sw. protoplasts. Genetics and Molecular Biology, 2002, 25, 73-80.	1.3	14
564	Electro-gene-transfer: a new approach for muscle gene delivery. Somatic Cell and Molecular Genetics, 2002, 27, 75-83.	0.7	37
565	In VivoGene Transfer of Hepatocyte Growth Factor to Skeletal Muscle Prevents Changes in Rat Kidneys After 5/6 Nephrectomy. American Journal of Transplantation, 2002, 2, 828-836.	4.7	29
567	In vivo electroporation: a new frontier for gene delivery and embryology. Differentiation, 2002, 70, 163-171.	1.9	52
569	Gene transfer into retinal ganglion cells by in vivo electroporation: a new approach. Micron, 2002, 33, 1-6.	2.2	83
570	Electrooptical relaxation spectrometry of membrane electroporation in lipid vesicles. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2002, 209, 147-165.	4.7	12
571	Gene electrotransfer: Potential for gene therapy of renal diseases. Kidney International, 2002, 61, S37-S41.	5.2	13
572	Effects of electropermeabilization after the administration of anticancer drugs on transitional cell carcinoma. BJU International, 2002, 89, 438-442.	2.5	5
573	Developing a new apparatus for inactivating Escherichia coli in saline water with high electric field AC. Journal of Food Engineering, 2002, 53, 203-207.	5.2	64
574	Electromobility of plasmid DNA in tumor tissues during electric field-mediated gene delivery. Gene Therapy, 2002, 9, 1286-1290.	4.5	84
575	In VivoDNA Electrotransfer. DNA and Cell Biology, 2002, 21, 869-877.	1.9	25
576	Transfection of embryonal carcinoma cells at high efficiency using liposome-mediated transfection. Molecular Reproduction and Development, 2002, 63, 309-317.	2.0	22
577	Modification of Tumor Cells with Fas (CD95) Antigen Gene and Fas Ligand (CD95L) Gene Transfection by Electroporation for Immunotherapy of Cancer. Molecular Biotechnology, 2003, 25, 79-88.	2.4	0
578	High efficiency production of germ-line transgenic Japanese medaka (Oryzias latipes) by electroporation with direct current-shifted radio frequency pulses. Transgenic Research, 2003, 12, 413-424.	2.4	19
579	Exploiting a minimal system to study the epigenetic control of DNA replication: the interplay between transcription and replication. Chromosome Research, 2003, 11, 413-421.	2.2	69
580	Development of murine embryos following electroporation. Journal of Assisted Reproduction and Genetics, 2003, 20, 148-152.	2.5	0

#	ARTICLE	IF	CITATIONS
581	Gene transfer and gene amplification in mammalian cells. New Comprehensive Biochemistry, 2003, 38, 309-335.	0.1	5
582	Electroporation of biological membranes from multicellular to nano scales. IEEE Transactions on Dielectrics and Electrical Insulation, 2003, 10, 754-768.	2.9	227
583	Transfection by Electroporation. Current Protocols in Molecular Biology, 2003, 62, Unit 9.3.	2.9	52
584	Joule heating during solid tissue electroporation. Medical and Biological Engineering and Computing, 2003, 41, 215-219.	2.8	48
585	Biomedical vignette. Journal of Biomedical Science, 2003, 10, 1-3.	7.0	1
586	Inhibition of established subcutaneous and metastatic murine tumors by intramuscular electroporation of the interleukin-12 gene. Journal of Biomedical Science, 2003, 10, 73-86.	7.0	23
587	Effect of electric field induced transmembrane potential on spheroidal cells: theory and experiment. European Biophysics Journal, 2003, 32, 519-528.	2.2	197
588	A method for functional evaluation of caspase activation pathways in intact lymphoid cells using electroporation-mediated protein delivery and flow cytometric analysis. Journal of Immunological Methods, 2003, 275, 41-56.	1.4	17
589	Electroporation as a tool to study in vivo spinal cord regeneration. Developmental Dynamics, 2003, 226, 418-425.	1.8	54
590	Efficacy of interleukin-10 gene electrotransfer into skeletal muscle in mice with collagen-induced arthritis. Journal of Gene Medicine, 2003, 5, 164-171.	2.8	60
591	A microchip for electroporation of primary endothelial cells. Sensors and Actuators A: Physical, 2003, 108, 12-19.	4.1	48
592	High osmotic stress improves electro-transformation efficiency of fission yeast. FEMS Microbiology Letters, 2003, 225, 235-239.	1.8	15
593	Electroporation: theory and methods, perspectives for drug delivery, gene therapy and research. Acta Physiologica Scandinavica, 2003, 177, 437-447.	2.2	731
594	Non-viral gene transfer of murine spleen cells achieved by in vivo electroporation. Gene Therapy, 2003, 10, 569-579.	4.5	32
595	Tumor regression by combination antisense therapy against Plk1 and Bcl-2. Oncogene, 2003, 22, 69-80.	5.9	82
596	Diverse Effects of Nanosecond Pulsed Electric Fields on Cells and Tissues. DNA and Cell Biology, 2003, 22, 785-796.	1.9	225
597	Phenomenological Theory of Low-Voltage Electroporation. Electric Field Calculations. Journal of Physical Chemistry B, 2003, 107, 3862-3870.	2.6	13
598	Transfection by Electroporation. Current Protocols in Cell Biology, 2003, 19, Unit 20.5.	2.3	2

#	Article	IF	CITATIONS
599	Effective Conductivity of a Suspension of Permeabilized Cells: A Theoretical Analysis. Biophysical Journal, 2003, 85, 719-729.	0.5	94
600	Electrochemotherapy: results of cancer treatment using enhanced delivery of bleomycin by electroporation. Cancer Treatment Reviews, 2003, 29, 371-387.	7.7	481
601	Methods for DNA introduction into mammalian cells. New Comprehensive Biochemistry, 2003, 38, 265-277.	0.1	5
602	Ultrashort pulsed electric fields induce membrane phospholipid translocation and caspase activation: differential sensitivities of Jurkat T lymphoblasts and rat Glioma C6 cells. IEEE Transactions on Dielectrics and Electrical Insulation, 2003, 10, 795-809.	2.9	98
603	Nanosecond, highâ€intensity pulsed electric fields induce apoptosis in human cells. FASEB Journal, 2003, 17, 1-23.	0.5	391
604	A Missense Mutation (GGC[⁴³⁵ Gly]â†'AGC[Ser]) in Exon 8 of the CYP11B2 Gene Inherited in Japanese Patients with Congenital Hypoaldosteronism. Hormone Research in Paediatrics, 2003, 60, 255-260.	1.8	10
605	A Model for Evaluating Therapeutic Response of Combined Cancer Treatment Modalities: Applied to Treatment of Subcutaneously Implanted Brain Tumors (N32 and N29) in Fischer Rats with Pulsed Electric Fields (PEF) and ⁶⁰ Co-gamma Radiation (RT). Technology in Cancer Research and Treatment, 2003, 2, 459-470.	1.9	9
606	Electroporation, an alternative to biolistics for transfection of Bombyx mori embryos and larval tissues. Journal of Insect Science, 2003, 3, 1-12.	0.9	10
607	DNA-Mediated Gene Transfer. , 2004, 88, 259-266.		0
608	Electroporation, an alternative to biolistics for transfection of Bombyx mori embryos and larval tissues. Journal of Insect Science, 2003, 3, 17.	1.5	12
610	Transient Transfection of the Human Myeloid Cell Line Mono Mac 6 Using Electroporation. BioTechniques, 2003, 34, 142-147.	1.8	15
611	Improved transfection technique for adherent cells using a commercial lipid reagent. BioTechniques, 2003, 35, 936-940.	1.8	22
612	High-Efficiency Nonviral Transfection of Primary Chondrocytes. , 2004, 100, 129-146.		6
613	Gene Therapy for Central Diabetes Insipidus: Effective Antidiuresis by Muscle-Targeted Gene Transfer. Endocrinology, 2004, 145, 261-268.	2.8	13
614	Fields and forces acting on a planar membrane with a conducting channel. Physical Review E, 2004, 69, 041901.	2.1	0
615	Spatially and temporally controlled gene transfer by electroporation into adherent cells on plasmid DNA-loaded electrodes. Nucleic Acids Research, 2004, 32, e187-e187.	14.5	82
616	Stimulation of Capacitative Calcium Entry in HL-60 Cells by Nanosecond Pulsed Electric Fields. Journal of Biological Chemistry, 2004, 279, 22964-22972.	3.4	215
617	THIS ARTICLE HAS BEEN RETRACTED Electroporation-mediated muscarinic M3 receptor gene transfer into rat urinary bladder. International Journal of Urology, 2004, 11, 1001-1008.	1.0	9

#	Article	IF	CITATIONS
618	Delivery of cytolethal distending toxin B induces cell cycle arrest and apoptosis in gingival squamous cell carcinoma in vitro. European Journal of Oral Sciences, 2004, 112, 445-451.	1.5	34
619	Electroporation enhances transfection efficiency in murine cutaneous wounds. Wound Repair and Regeneration, 2004, 12, 397-403.	3.0	32
620	DNA electrotransfer: its principles and an updated review of its therapeutic applications. Gene Therapy, 2004, 11, S33-S42.	4.5	251
621	Influence of Electroporation Conditions on Transfection of Muscle Fibers in Vivo. Russian Journal of Genetics, 2004, 40, 33-39.	0.6	3
622	Techniques of signal generation required for electropermeabilization. Bioelectrochemistry, 2004, 64, 113-124.	4.6	105
623	A primer on using in ovo electroporation to analyze gene function. Developmental Dynamics, 2004, 229, 433-439.	1.8	135
624	Setting optimal parameters for in vitro electrotransfection of B16F1, SA1, LPB, SCK, L929 and CHO cells using predefined exponentially decaying electric pulses. Bioelectrochemistry, 2004, 62, 73-82.	4.6	30
625	Electroporation of subcutaneous mouse tumors by rectangular and trapezium high voltage pulses. Bioelectrochemistry, 2004, 62, 83-93.	4.6	31
626	Simulation and experimental demonstration of the electric field assisted electroporation microchip for in vitro gene delivery enhancement. Lab on A Chip, 2004, 4, 104.	6.0	73
627	Electroporation for Gene Transfer to Skeletal Muscles. BioDrugs, 2004, 18, 155-165.	4.6	81
628	Stimulation of Reparative Dentin Formation by Ex Vivo Gene Therapy Using Dental Pulp Stem Cells Electrotransfected with Growth/differentiation factor 11 (Gdf11). Human Gene Therapy, 2004, 15, 1045-1053.	2.7	81
629	Cell Membrane Electropermeabilization. , 2004, , 205-235.		2
630	Micropatterned, self-assembled monolayers for fabrication of transfected cell microarrays. Biochimica Et Biophysica Acta - General Subjects, 2004, 1672, 138-147.	2.4	49
631	Effect of electric field vectoriality on electrically mediated gene delivery in mammalian cells. Biochimica Et Biophysica Acta - Biomembranes, 2004, 1665, 92-100.	2.6	86
632	In vivo electroporation of skeletal muscles increases the efficacy of Japanese encephalitis virus DNA vaccine. Vaccine, 2004, 22, 1457-1464.	3.8	36
633	How to keep injured CNS neurons viable—strategies for neuroprotection and gene transfer to retinal ganglion cells. Molecular and Cellular Neurosciences, 2004, 26, 1-16.	2.2	10
634	In ovo electroporation of avian somites. Developmental Dynamics, 2004, 229, 643-650.	1.8	95
635	Medicinal plants at the ethnobotany–biotechnology interface in Africa. South African Journal of Botany, 2004, 70, 89-96.	2.5	16

#	Article	IF	CITATIONS
636	Microelectronic electroporation array. , 2004, , .		0
637	Anticancer Gene Therapy by in Vivo DNA Electrotransfer of MBD2 Antisense., 2005,, 218-229.		0
638	Cholesterol reduces membrane electroporation and electric deformation of small bilayer vesicles. Biophysical Chemistry, 2005, 117, 155-171.	2.8	27
639	Local and transient structural changes in stratum corneum at high electric fields: Contribution of Joule heating. Bioelectrochemistry, 2005, 67, 37-46.	4.6	46
640	Electric Field-Induced Cell Membrane Permeabilization and Gene Transfer: Theory and Experiments. Engineering in Life Sciences, 2005, 5, 179-186.	3.6	22
641	Physical methods for gene transfer: Improving the kinetics of gene delivery into cells. Advanced Drug Delivery Reviews, 2005, 57, 733-753.	13.7	342
642	Antiapoptotic effect both in vivo and in vitro of A20 gene when transfected into rat hippocampal neurons. Acta Pharmacologica Sinica, 2005, 26, 33-38.	6.1	9
643	DNA electrotransfer into the skin using a combination of one high- and one low-voltage pulse. Journal of Controlled Release, 2005, 106, 407-415.	9.9	113
644	Gene delivery to embryonic stem cells. Birth Defects Research Part C: Embryo Today Reviews, 2005, 75, 10-18.	3.6	49
645	A Family of Hierarchically Self-Assembling Linear-Dendritic Hybrid Polymers for Highly Efficient Targeted Gene Delivery. Angewandte Chemie - International Edition, 2005, 44, 6704-6708.	13.8	162
646	Transfection of HeLa-cells with pEGFP plasmid by impedance power-assisted electroporation. Biotechnology and Bioengineering, 2005, 92, 267-276.	3.3	23
647	An epoch-making application of discharge plasma phenomenon to gene-transfer. Biotechnology and Bioengineering, 2005, 92, 865-870.	3.3	56
649	In vivo DNA gene electro-transfer: a systematic analysis of different electrical parameters. Journal of Gene Medicine, 2005, 7, 1475-1481.	2.8	28
650	Instant MR labeling of stem cells using magnetoelectroporation. Magnetic Resonance in Medicine, 2005, 54, 769-774.	3.0	212
651	Wound Healing Enhancement: Electroporation to Address a Classic Problem of Military Medicine. World Journal of Surgery, 2005, 29, S55-S59.	1.6	23
652	Tissue Ablation with Irreversible Electroporation. Annals of Biomedical Engineering, 2005, 33, 223-231.	2.5	1,045
654	Electroporation Loading of Calcium-Sensitive Dyes Into the CNS. Journal of Neurophysiology, 2005, 93, 1793-1808.	1.8	48
655	Visualization through Magnetic Resonance Imaging of DNA Internalized Following "ln Vivo― Electroporation. Molecular Imaging, 2005, 4, 153535002005041.	1.4	5

#	Article	IF	Citations
656	Genetic modification of hematopoietic stem cells with nonviral systems: past progress and future prospects. Gene Therapy, 2005, 12, S118-S130.	4.5	61
657	An electroporation microchip for gene transfection and system optimization. , 0, , .		0
658	A Novel Method for the Production of Transgenic Cloned Pigs: Electroporation-Mediated Gene Transfer to Non-Cultured Cells and Subsequent Selection with Puromycin1. Biology of Reproduction, 2005, 72, 309-315.	2.7	56
659	Effect of Cell Electroporation on the Conductivity of a Cell Suspension. Biophysical Journal, 2005, 88, 4378-4390.	0.5	248
660	Membrane Electroporation: A Molecular Dynamics Simulation. Biophysical Journal, 2005, 88, 4045-4053.	0.5	438
662	Enhancement of an Electroporation System for Gene Delivery Using Electrophoresis with Planar Electrodes., 2005, 2006, 522-5.		0
663	Electroporation microchips for gene transfection., 0,,.		1
664	Adsorption of DNA and electric fields decrease the rigidity of lipid vesicle membranes. Physical Chemistry Chemical Physics, 2005, 7, 4126.	2.8	12
665	Toward Personalized Immunotherapy for Non-Hodgkin Lymphoma. BioDrugs, 2005, 19, 289-297.	4.6	4
666	Internalisation of cell-penetrating peptides into tobacco protoplasts. Biochimica Et Biophysica Acta - Biomembranes, 2005, 1669, 101-107.	2.6	49
668	Naked DNA for Liver Gene Transfer. Advances in Genetics, 2005, 54, 43-64.	1.8	5
669	Nanosecond Pulsed Electric Fields (nsPEF) Induce Direct Electric Field Effects and Biological Effects on Human Colon Carcinoma Cells. DNA and Cell Biology, 2005, 24, 283-291.	1.9	39
670	Electric Pulseâ€Mediated Gene Delivery to Various Animal Tissues. Advances in Genetics, 2005, 54, 83-114.	1.8	123
671	Electrode Microchamber for Noninvasive Perturbation of Mammalian Cells With Nanosecond Pulsed Electric Fields. IEEE Transactions on Nanobioscience, 2005, 4, 277-283.	3.3	40
672	In VivoElectroporation for Gene Therapy. Human Gene Therapy, 2006, 17, 890-897.	2.7	216
673	Artefactual effects of lipid-based cell transfection reagents on $A\hat{l}^2PP$ processing and $A\hat{l}^2$ production. Amyloid: the International Journal of Experimental and Clinical Investigation: the Official Journal of the International Society of Amyloidosis, 2006, 13, 86-92.	3.0	1
674	A novel transfection method for mammalian cells using gas plasma. Journal of Biotechnology, 2006, 121, 299-308.	3.8	52
675	Role of membrane potential on artificial transformation of E. coli with plasmid DNA. Journal of Biotechnology, 2006, 127, 14-20.	3.8	26

#	Article	IF	CITATIONS
676	Galectins in Apoptosis. Methods in Enzymology, 2006, 417, 256-273.	1.0	85
677	Fluorescence microscopy imaging of electroperturbation in mammalian cells. Journal of Biomedical Optics, 2006, 11, 024010.	2.6	24
678	Bases and rationale of the electrochemotherapy. European Journal of Cancer, Supplement, 2006, 4, 38-44.	2.2	147
679	Electroporation of Mammalian Cells in a Microfluidic Channel with Geometric Variation. Analytical Chemistry, 2006, 78, 5158-5164.	6.5	145
680	Electropermeabilization, a physical method for the delivery of therapeutic molecules into cells. Biochimica Et Biophysica Acta - Biomembranes, 2006, 1758, 423-428.	2.6	126
681	Microdosimetry for conventional and supra-electroporation in cells with organelles. Biochemical and Biophysical Research Communications, 2006, 341, 1266-1276.	2.1	183
682	Identifying putative contraceptive targets by dissecting signal transduction networks in the epididymis using an in vivo electroporation (electrotransfer) approach. Molecular and Cellular Endocrinology, 2006, 250, 196-200.	3.2	6
686	Delivery of plasmid DNA expression vector for keratinocyte growth factor-1 using electroporation to improve cutaneous wound healing in a septic rat model. Wound Repair and Regeneration, 2006, 14, 618-624.	3.0	38
688	In vivo electroporation in the embryonic mouse central nervous system. Nature Protocols, 2006, 1, 1552-1558.	12.0	354
689	Rapid and efficient nonviral gene delivery of CD154 to primary chronic lymphocytic leukemia cells. Cancer Gene Therapy, 2006, 13, 215-224.	4.6	19
690	Control by osmolarity and electric field strength of electro-induced gene transfer and protein release in fission yeast cells. Journal of Electrostatics, 2006, 64, 796-801.	1.9	13
691	A single molecule detection method for understanding mechanisms of electric field-mediated interstitial transport of genes. Bioelectrochemistry, 2006, 69, 248-253.	4.6	13
692	Transformation of Escherichia coli mediated by magnetic nanoparticles in pulsed magnetic field. Enzyme and Microbial Technology, 2006, 39, 366-370.	3.2	14
693	Plasmid DNA and siRNA transfection of intestinal epithelial monolayers by electroporation. International Journal of Pharmaceutics, 2006, 315, 122-133.	5.2	14
694	Interfacial ternary complex DNA/Ca/lipids at anionic vesicle surfaces. Bioelectrochemistry, 2006, 68, 158-170.	4.6	10
695	Model of a confined spherical cell in uniform and heterogeneous applied electric fields. Bioelectrochemistry, 2006, 68, 181-190.	4.6	29
696	High efficiency transfection of glioma cell lines and primary cells for overexpression and RNAi experiments. Journal of Neuroscience Methods, 2006, 156, 194-202.	2.5	26
697	Gene transfer effects on various cationic amphiphiles in CHO cells. Cytotechnology, 2006, 51, 57-66.	1.6	8

#	Article	IF	CITATIONS
698	Transfection of insect cell lines using polyethylenimine. Cytotechnology, 2006, 51, 89-98.	1.6	41
699	Cell membrane fluidity related to electroporation and resealing. European Biophysics Journal, 2006, 35, 196-204.	2.2	68
700	Non-viral in vivo immune gene therapy of cancer: combined strategies for treatment of systemic disease. Cancer Immunology, Immunotherapy, 2006, 55, 1443-1450.	4.2	22
701	Magnetoelectroporation: improved labeling of neural stem cells and leukocytes for cellular magnetic resonance imaging using a single FDA-approved agent. Nanomedicine: Nanotechnology, Biology, and Medicine, 2006, 2, 89-94.	3.3	81
702	Enhancement of biomolecule transport by electroporation: A review of theory and practical application to transformation of Corynebacterium glutamicum. Biotechnology and Bioengineering, 2006, 93, 413-423.	3.3	43
703	High-throughput and real-time study of single cell electroporation using microfluidics: Effects of medium osmolarity. Biotechnology and Bioengineering, 2006, 95, 1116-1125.	3.3	53
704	Electrically-Assisted Nucleic Acids Delivery to Tissues In Vivo: Where Do We Stand?. Current Pharmaceutical Design, 2006, 12, 3817-25.	1.9	88
705	Triblock Copolymer as an Effective Membrane-Sealing Material. MRS Bulletin, 2006, 31, 532-535.	3.5	7
706	Nanopore-facilitated, voltage-driven phosphatidylserine translocation in lipid bilayers—in cells andin silico. Physical Biology, 2006, 3, 233-247.	1.8	135
707	Molecular biology on a microfluidic chip. Journal of Physics Condensed Matter, 2006, 18, S691-S701.	1.8	34
708	99mTc-DTPA Uptake and Electrical Impedance Measurements in Verification of In VivoElectropermeabilization Efficiency in Rat Muscle. Cancer Biotherapy and Radiopharmaceuticals, 2006, 21, 623-635.	1.0	9
709	Role of electrochemotherapy in the treatment of metastatic melanoma and other metastatic and primary skin tumors. Expert Review of Anticancer Therapy, 2006, 6, 671-678.	2.4	46
710	Irreversible Electroporation in Medicine. Technology in Cancer Research and Treatment, 2007, 6, 255-259.	1.9	357
711	Irreversible Electroporation: Implications for Prostate Ablation. Technology in Cancer Research and Treatment, 2007, 6, 295-300.	1.9	336
712	Irreversible Electroporation: A New Ablation Modality â€" Clinical Implications. Technology in Cancer Research and Treatment, 2007, 6, 37-48.	1.9	644
713	Electrotransfer as a Non Viral Method of Gene Delivery. Current Gene Therapy, 2007, 7, 67-77.	2.0	97
714	Towards Solid Tumor Treatment by Irreversible Electroporation: Intrinsic Redistribution of Fields and Currents in Tissue. Technology in Cancer Research and Treatment, 2007, 6, 261-273.	1.9	93
715	Methods of optimization of electrical impedance tomography for imaging tissue electroporation. Physiological Measurement, 2007, 28, 1135-1147.	2.1	16

#	ARTICLE	IF	CITATIONS
716	Improvement of In VivoTransfer of Plasmid DNA in Muscle: Comparison of Electroporation versus Ultrasound. Drug Delivery, 2007, 14, 273-277.	5.7	21
717	High-throughput transfection and engineering of primary cells and cultured cell lines – an invaluable tool for research as well as drug development. Expert Opinion on Drug Discovery, 2007, 2, 1453-1465.	5.0	2
718	Nonlinear Transmembrane Current Response of Micro Elelectroporation for Human Cancer Cells. , 2007, , .		0
719	Optimization of Gene Transfection Condition using Taguchi Method for an Electroporation Microchip. , 2007, , .		4
720	Design of an Irreversible Electroporation System for Clinical Use. Technology in Cancer Research and Treatment, 2007, 6, 313-320.	1.9	106
721	Functional analysis of regulatory single-nucleotide polymorphisms. Current Opinion in Lipidology, 2007, 18, 194-198.	2.7	15
722	Electrically Assisted Ocular Gene Therapy. Survey of Ophthalmology, 2007, 52, 196-208.	4.0	55
723	Reporter genes for embryogenesis research in livestock species. Theriogenology, 2007, 68, S116-S124.	2.1	20
724	Nonviral gene delivery: What we know and what is next. AAPS Journal, 2007, 9, E92-E104.	4.4	351
725	Electroporation in dense cell suspensionâ€"Theoretical and experimental analysis of ion diffusion and cell permeabilization. Biochimica Et Biophysica Acta - General Subjects, 2007, 1770, 12-23.	2.4	82
726	Site-specific transfer of an intact \hat{l}^2 -globin gene cluster through a new targeting vector. Biochemical and Biophysical Research Communications, 2007, 356, 32-37.	2.1	8
727	Electric field effects on membranes: Gramicidin A as a test ground. Journal of Structural Biology, 2007, 157, 545-556.	2.8	35
728	Basic Protocols for Zebrafish Cell Lines. Methods in Molecular Biology, 2007, 362, 429-441.	0.9	45
729	Electroporation-based DNA immunisation: translation to the clinic. Expert Opinion on Biological Therapy, 2007, 7, 1647-1664.	3.1	91
730	Electrochemotherapy. Annals of Surgery, 2007, 245, 469-479.	4.2	145
731	Convenient Transformation of Anamorphic Basidiomycetous Yeasts Belonging to Genus Pseudozyma Induced by Electroporation. Journal of Bioscience and Bioengineering, 2007, 104, 517-520.	2.2	20
732	Electroporation-mediated gene therapy. Expert Opinion on Drug Delivery, 2007, 4, 561-571.	5.0	29
733	Nanosecond Field Alignment of Head Group and Water Dipoles in Electroporating Phospholipid Bilayers. Journal of Physical Chemistry B, 2007, 111, 12993-12996.	2.6	81

#	Article	IF	Citations
734	Sonoporation of suspension cells with a single cavitation bubble in a microfluidic confinement. Lab on A Chip, 2007, 7, 1666.	6.0	122
735	Single-cell electroporation arrays with real-time monitoring and feedback control. Lab on A Chip, 2007, 7, 457.	6.0	102
736	Enhancement of an electroporation system for gene delivery using electrophoresis with a planar electrode. Lab on A Chip, 2007, 7, 86-92.	6.0	24
737	Effect of Cell Size and Shape on Single-Cell Electroporation. Analytical Chemistry, 2007, 79, 3589-3596.	6.5	83
738	Simultaneous Maximization of Cell Permeabilization and Viability in Single-Cell Electroporation Using an Electrolyte-Filled Capillary. Analytical Chemistry, 2007, 79, 161-167.	6.5	10
740	Electroporator with automatic change of electric field direction improves gene electrotransfer in-vitro. BioMedical Engineering OnLine, 2007, 6, 25.	2.7	55
741	Analytical and numerical quantification and comparison of the local electric field in the tissue for different electrode configurations. BioMedical Engineering OnLine, 2007, 6, 37.	2.7	68
742	Ultrastructural modifications of cell membranes induced by "electroporation―on melanoma xenografts. Microscopy Research and Technique, 2007, 70, 1041-1050.	2.2	41
743	Nonlinear current–voltage relationship of the plasma membrane of single CHO cells. Bioelectrochemistry, 2007, 70, 71-77.	4.6	37
744	Feasibility study for cell electroporation detection and separation by means of dielectrophoresis. Bioelectrochemistry, 2007, 71, 164-171.	4.6	47
745	Determination of cell electroporation from the release of intracellular potassium ions. Analytical Biochemistry, 2007, 360, 273-281.	2.4	32
746	High electrical field effects on cell membranes. Bioelectrochemistry, 2007, 70, 275-282.	4.6	96
747	Increase of the roughness of the stainless-steel anode surface due to the exposure to high-voltage electric pulses as revealed by atomic force microscopy. Bioelectrochemistry, 2007, 70, 519-523.	4.6	30
748	Electric field modulation in tissue electroporation with electrolytic and non-electrolytic additives. Bioelectrochemistry, 2007, 70, 551-560.	4.6	18
749	Electric field-mediated transport of plasmid DNA in tumor interstitium in vivo. Bioelectrochemistry, 2007, 71, 233-242.	4.6	24
750	Ohmic heating of Japanese white radish <i>Rhaphanus sativus</i> L International Journal of Food Science and Technology, 1995, 30, 461-472.	2.7	91
751	An electrochemotherapy model for rat tongue carcinoma. Journal of Oral Pathology and Medicine, 1998, 27, 249-254.	2.7	13
752	Electropulsation, an biophysical delivery method for therapy., 2007,, 618-621.		0

#	Article	IF	Citations
753	Electropermeabilization of dense cell suspensions. European Biophysics Journal, 2007, 36, 173-185.	2.2	92
754	Cell and Tissue Targeting of Nucleic Acids for Cancer Gene Therapy. Pharmaceutical Research, 2007, 24, 1047-1057.	3.5	55
755	An electroporation microchip system for the transfection of zebrafish embryos using quantum dots and GFP genes for evaluation. Biomedical Microdevices, 2007, 9, 761-768.	2.8	28
756	Serum-free transfection of CHO-cells with tailor-made unilamellar vesicles. Cytotechnology, 2007, 54, 157-168.	1.6	6
757	Using a micro electroporation chip to determine the optimal physical parameters in the uptake of biomolecules in HeLa cells. Bioelectrochemistry, 2007, 70, 363-368.	4.6	92
758	In vivo electrical impedance measurements during and after electroporation of rat liver. Bioelectrochemistry, 2007, 70, 287-295.	4.6	151
759	A multi-channel electroporation microchip for gene transfection in mammalian cells. Biosensors and Bioelectronics, 2007, 22, 3273-3277.	10.1	64
760	Gene delivery by electroporation after dielectrophoretic positioning of cells in a non-uniform electric field. Bioelectrochemistry, 2008, 72, 141-148.	4.6	38
761	Mass transfer model for drug delivery in tissue cells with reversible electroporation. International Journal of Heat and Mass Transfer, 2008, 51, 5610-5616.	4.8	80
762	The effect of electroporation pulses on functioning of the heart. Medical and Biological Engineering and Computing, 2008, 46, 745-57.	2.8	69
763	Field Distribution and DNA Transport in Solid Tumors During Electric Field-Mediated Gene Delivery. Journal of Pharmaceutical Sciences, 2008, 97, 691-711.	3.3	28
764	Nonviral approaches for targeted delivery of plasmid DNA and oligonucleotide. Journal of Pharmaceutical Sciences, 2008, 97, 726-745.	3.3	124
765	Microfluidic electroporation for delivery of small molecules and genes into cells using a common DC power supply. Biotechnology and Bioengineering, 2008, 100, 579-586.	3.3	63
766	Singleâ€cell microinjection technology in cell biology. BioEssays, 2008, 30, 606-610.	2.5	126
767	Inorganic Nanoparticles as Carriers of Nucleic Acids into Cells. Angewandte Chemie - International Edition, 2008, 47, 1382-1395.	13.8	521
768	DNA Introduction into Living Cells by Water Droplet Impact with an Electrospray Process. Angewandte Chemie - International Edition, 2008, 47, 1429-1431.	13.8	23
771	Determination of optimum gene transfection conditions using the Taguchi method for an electroporation microchip. Sensors and Actuators B: Chemical, 2008, 132, 551-557.	7.8	21
772	Nonlinear current response of micro electroporation and resealing dynamics for human cancer cells. Bioelectrochemistry, 2008, 72, 161-168.	4.6	37

#	Article	IF	Citations
773	Electrode commutation sequence for honeycomb arrangement of electrodes in electrochemotherapy and corresponding electric field distribution. Bioelectrochemistry, 2008, 74, 26-31.	4.6	14
774	Theoretical and experimental analysis of conductivity, ion diffusion and molecular transport during cell electroporation — Relation between short-lived and long-lived pores. Bioelectrochemistry, 2008, 74, 38-46.	4.6	100
775	Microinjection as a tool of mechanical delivery. Current Opinion in Biotechnology, 2008, 19, 506-510.	6.6	131
776	Temperature considerations during irreversible electroporation. International Journal of Heat and Mass Transfer, 2008, 51, 5617-5622.	4.8	111
777	Characterization of Multilayered Nanoparticles Encapsulated in Yeast Cell Wall Particles for DNA Delivery. Bioconjugate Chemistry, 2008, 19, 840-848.	3.6	150
778	Physical Approaches for Nucleic Acid Delivery to Liver. AAPS Journal, 2008, 10, 589-595.	4.4	29
779	How does plasmid DNA penetrate cell membranes in artificial transformation process of <i>Escherichia coli?</i> . Molecular Membrane Biology, 2008, 25, 411-422.	2.0	31
780	Recent advances in gene delivery with ultrasound and microbubbles. Journal of Experimental Nanoscience, 2008, 3, 17-40.	2.4	25
781	Optimization of a gene electrotransfer method for mesenchymal stem cell transfection. Gene Therapy, 2008, 15, 537-544.	4.5	57
782	Vascular disrupting action of electroporation and electrochemotherapy with bleomycin in murine sarcoma. British Journal of Cancer, 2008, 98, 388-398.	6.4	187
783	Gene application with <i>in utero</i> electroporation in mouse embryonic brain. Development Growth and Differentiation, 2008, 50, 499-506.	1.5	71
784	Kinetics, Statistics, and Energetics of Lipid Membrane Electroporation Studied by Molecular Dynamics Simulations. Biophysical Journal, 2008, 95, 1837-1850.	0.5	280
785	Kinetics of Transmembrane Transport of Small Molecules into Electropermeabilized Cells. Biophysical Journal, 2008, 95, 2837-2848.	0.5	160
786	Optimal Parameters for the Destruction of Prostate Cancer Using Irreversible Electroporation. Journal of Urology, 2008, 180, 2668-2674.	0.4	115
787	Nonviral Technologies for Gene Therapy in Cardiovascular Research. International Journal of Gerontology, 2008, 2, 35-47.	0.6	6
788	Delivery of Whole Tumor Lysate into Dendritic Cells for Cancer Vaccination. Methods in Molecular Biology, 2008, 423, 139-153.	0.9	21
789	The relative immunogenicity of DNA vaccines delivered by the intramuscular needle injection, electroporation and gene gun methods. Vaccine, 2008, 26, 2100-2110.	3.8	102
790	Potential role of electrochemotherapy for the treatment of soft tissue sarcoma: First insights from preclinical studies in animals. International Journal of Biochemistry and Cell Biology, 2008, 40, 159-163.	2.8	17

#	Article	IF	CITATIONS
791	Immune gene therapy as a neoadjuvant to surgical excision to control metastatic cancers. Cancer Letters, 2008, 262, 94-102.	7.2	9
792	Impact of pulsed electric fields on Corynebacterium glutamicum cell membrane permeabilization. Journal of Bioscience and Bioengineering, 2008, 105, 375-382.	2.2	27
793	Electrochemotherapy in Veterinary Oncology. Journal of Veterinary Internal Medicine, 2008, 22, 826-831.	1.6	107
794	Electroporation chip for adherent cells on photochemically modified polymer surfaces. Applied Physics Letters, 2008, 92, 013901.	3.3	23
795	Mechanism by Which Electroporation Mediates DNA Migration and Entry into Cells and Targeted Tissues. Methods in Molecular Biology, 2008, 423, 19-33.	0.9	35
796	Gene transfer device utilizing micron-spiked electrodes produced by the self-organization phenomenon of Fe-alloy. Lab on A Chip, 2008, 8, 1104.	6.0	10
797	Double pulse approach of electrogenotherapy: an analysis at the single cell level., 2008,,.		0
798	Electricity and biology. , 2008, , .		7
799	A tumor mRNA-triggered photodynamic molecular beacon based on oligonucleotide hairpin control of singlet oxygen production. Photochemical and Photobiological Sciences, 2008, 7, 775-781.	2.9	58
800	Simple, Efficient, and Reproducible Gene Transfection of Mouse Embryonic Stem Cells by Magnetofection. Stem Cells and Development, 2008, 17, 133-142.	2.1	48
801	Intracellular Labeling Methods for Chip-Based Capillary Electrophoresis. Journal of Liquid Chromatography and Related Technologies, 2008, 31, 1732-1757.	1.0	0
802	Efficiency of High- and Low-Voltage Pulse Combinations for Gene Electrotransfer in Muscle, Liver, Tumor, and Skin. Human Gene Therapy, 2008, 19, 1261-1272.	2.7	145
803	Efficient Electrotransfection into Canine Muscle. Technology in Cancer Research and Treatment, 2008, 7, 45-54.	1.9	24
804	Application of Electroporation Gene Therapy: Past, Current, and Future. Methods in Molecular Biology, 2008, 423, 3-17.	0.9	47
805	Gene Electrotransfer into Murine Skeletal Muscle: A Systematic Analysis of Parameters for Long-term Gene Expression. Technology in Cancer Research and Treatment, 2008, 7, 91-101.	1.9	36
806	DNA vaccination and gene therapy: optimization and delivery for cancer therapy. Expert Review of Vaccines, 2008, 7, 1085-1101.	4.4	56
807	Molecular Delivery to Cells Facilitated by Corona Ion Deposition. IEEE Transactions on Nanobioscience, 2008, 7, 233-239.	3.3	20
808	Chapter 1 Random Processes in the Appearance and Dynamics of an Electropore in a Lipid Membrane. Behavior Research Methods, 2008, , 1 -38.	4.0	0

#	Article	IF	Citations
809	Electroporating Fields Target Oxidatively Damaged Areas in the Cell Membrane. PLoS ONE, 2009, 4, e7966.	2.5	116
810	Changes in electrical impedance of biological matter due to the application of ultrashort high voltage pulses. IEEE Transactions on Dielectrics and Electrical Insulation, 2009, 16, 1273-1279.	2.9	28
811	Cellular model of electroporated tissue for ultrasound RF data analysis. , 2009, , .		0
812	Double pulse approach of electropulsation: a fluorescence analysis of the nucleus perturbation at the single cell level. IEEE Transactions on Dielectrics and Electrical Insulation, 2009, 16, 1267-1272.	2.9	9
813	Model study of electroporation effects on the dielectrophoretic response of spheroidal cells. Journal of Applied Physics, 2009, 106, 024701.	2.5	30
814	Targeted gene delivery to the lung. Expert Opinion on Drug Delivery, 2009, 6, 567-583.	5.0	27
815	Enhanced low voltage cell electropermeabilization by boron nitride nanotubes. Nanotechnology, 2009, 20, 075104.	2.6	57
816	Electroporation in Biological Cell and Tissue: An Overview. Food Engineering Series, 2009, , 1-37.	0.7	35
817	Electric pulses used in electrochemotherapy and electrogene therapy do not significantly change the expression profile of genes involved in the development of cancer in malignant melanoma cells. BMC Cancer, 2009, 9, 299.	2.6	23
818	A Time-Dependent Numerical Model of Transmembrane Voltage Inducement and Electroporation of Irregularly Shaped Cells. IEEE Transactions on Biomedical Engineering, 2009, 56, 1491-1501.	4.2	144
819	Development of an Autonomous Biological Cell Manipulator With Single-Cell Electroporation and Visual Servoing Capabilities. IEEE Transactions on Biomedical Engineering, 2009, 56, 2064-2074.	4.2	34
820	The Effective Conductivity and the Induced Transmembrane Potential in Dense Cell System Exposed to DC and AC Electric Fields. IEEE Transactions on Plasma Science, 2009, 37, 99-106.	1.3	10
821	Singleâ€step purification of the recombinant green fluorescent protein from intact Escherichia coli cells using preparative PAGE. Electrophoresis, 2009, 30, 3017-3023.	2.4	3
822	Surgical applications of femtosecond lasers. Journal of Biophotonics, 2009, 2, 557-572.	2.3	222
823	Transgene expression of transfected supercoiled plasmid DNA concatemers in mammalian cells. Journal of Gene Medicine, 2009, 11, 444-453.	2.8	33
824	Nonviral Transfection of Adipose Tissue Stromal Cells: An Experimental Study. Bulletin of Experimental Biology and Medicine, 2009, 147, 509-512.	0.8	1
825	The use of size-defined DNA-functionalized calcium phosphate nanoparticles to minimise intracellular calcium disturbance during transfection. Biomaterials, 2009, 30, 6794-6802.	11.4	101
826	Micro-electroporation of mesenchymal stem cells with alternating electrical current pulses. Biomedical Microdevices, 2009, 11, 95-101.	2.8	62

#	Article	IF	CITATIONS
827	What is (Still not) Known of the Mechanism by Which Electroporation Mediates Gene Transfer and Expression in Cells and Tissues. Molecular Biotechnology, 2009, 41, 286-295.	2.4	231
828	Nucleic Acids Electrotransfer-Based Gene Therapy (Electrogenetherapy): Past, Current, and Future. Molecular Biotechnology, 2009, 43, 167-176.	2.4	118
829	Gene electrotransfer: from biophysical mechanisms to in vivo applications. Biophysical Reviews, 2009, 1, 177-184.	3.2	8
830	Gene transfer and protein release of fission yeast by application of a high voltage electric pulse. Analytical and Bioanalytical Chemistry, 2009, 394, 13-16.	3.7	22
831	Three-dimensional opto-fluidic devices fabricated by ultrashort laser pulses for high throughput single cell detection and processing. Applied Physics A: Materials Science and Processing, 2009, 96, 385-390.	2.3	18
832	Plasmid uptake by bacteria: a comparison of methods and efficiencies. Applied Microbiology and Biotechnology, 2009, 83, 791-798.	3.6	88
833	Controlling Cellular Uptake by Surface Chemistry, Size, and Surface Topology at the Nanoscale. Small, 2009, 5, 2424-2432.	10.0	220
834	Assessment of methods and analysis of outcomes for comprehensive optimization of nucleofection. Genetic Vaccines and Therapy, 2009, 7, 6.	1.5	10
835	Control by pulse parameters of DNA electrotransfer into solid tumors in mice. Gene Therapy, 2009, 16, 635-644.	4.5	59
836	The feasibility of nonâ€viral gene transfer to the diaphragm <i>in vivo</i> . Development Growth and Differentiation, 2009, 51, 547-553.	1.5	1
837	Physical methods of nucleic acid transfer: general concepts and applications. British Journal of Pharmacology, 2009, 157, 207-219.	5.4	107
838	Mg ²⁺ -free buffer elevates transformation efficiency of <i>Vibrio parahaemolyticus</i> by electroporation. Letters in Applied Microbiology, 2009, 48, 349-354.	2.2	14
839	A 3D in vitro spheroid model as a way to study the mechanisms of electroporation. International Journal of Pharmaceutics, 2009, 379, 278-284.	5.2	46
840	Mechanisms involved in gene electrotransfer using high- and low-voltage pulses — An in vitro study. Bioelectrochemistry, 2009, 74, 265-271.	4.6	110
841	Nonviral Gene Delivery: Principle, Limitations, and Recent Progress. AAPS Journal, 2009, 11, 671-81.	4.4	559
842	Irreversible Electroporation for Microbial Control of Drugs in Solution. AAPS PharmSciTech, 2009, 10, 881-6.	3.3	23
843	<i>In vivo</i> electrical conductivity measurements during and after tumor electroporation: conductivity changes reflect the treatment outcome. Physics in Medicine and Biology, 2009, 54, 5949-5963.	3.0	158
844	Electrodes for in vivo in vivo localised subcutaneous electropulsation and associated drug and nucleic acid delivery. Expert Opinion on Drug Delivery, 2009, 6, 1323-1331.	5.0	2

#	Article	IF	CITATIONS
845	Control of the Release of Freely Diffusing Molecules in Single-Cell Electroporation. Analytical Chemistry, 2009, 81, 8001-8008.	6.5	8
846	Induction of Antitumor Response by In Vivo Allogeneic Major Histocompatibility Complex Gene Transfer Using Electroporation. Journal of Surgical Research, 2009, 154, 60-67.	1.6	6
847	DNA vaccine therapy for chronic hepatitis C virus (HCV) infection: immune control of a moving target. Expert Opinion on Biological Therapy, 2009, 9, 805-815.	3.1	16
848	Electroporation for the Delivery of DNA-based Vaccines and Immunotherapeutics: Current Clinical Developments. Molecular Therapy, 2009, 17, 585-592.	8.2	191
849	Parallel single-cell light-induced electroporation and dielectrophoretic manipulation. Lab on A Chip, 2009, 9, 1714.	6.0	100
850	Electroporative Gene Transfer. Methods in Molecular Biology, 2009, 542, 156-164.	0.9	4
851	The Expression of Exogenous Genes in Macrophages: Obstacles and Opportunities. Methods in Molecular Biology, 2009, 531, 123-143.	0.9	76
852	Nonviral gene vector formation in monodispersed picolitre incubator for consistent gene delivery. Lab on A Chip, 2009, 9, 2638.	6.0	39
853	Double-Pulse Approach of Electrogenotherapy: An Analysis at the Single Cell Level. IEEE Transactions on Plasma Science, 2009, 37, 538-544.	1.3	7
854	Electrochemotherapy as an adjunct or alternative to other treatments for unresectable or in-transit melanoma. Expert Review of Anticancer Therapy, 2009, 9, 1611-1630.	2.4	47
855	The role of plasmalemmal-cortical anchoring on the stability of transmembrane electropores. IEEE Transactions on Dielectrics and Electrical Insulation, 2009, 16, 1251-1258.	2.9	9
856	Progress toward liverâ€based gene therapy. Hepatology Research, 2009, 39, 325-340.	3.4	24
857	Transfection of Mouse Cochlear Explants by Electroporation. Current Protocols in Neuroscience, 2010, 51, Unit 4.34.1-10.	2.6	19
858	Production of Non Viral DNA Vectors. Current Gene Therapy, 2010, 10, 487-507.	2.0	31
859	Electroporation of Vascular Endothelial Growth Factor Gene in a Unipedicle Transverse Rectus Abdominis Myocutaneous Flap Reduces Necrosis. Annals of Plastic Surgery, 2010, 64, 242-246.	0.9	14
860	Strength–Duration Relationship for Extracellular Neural Stimulation: Numerical and Analytical Models. Journal of Neurophysiology, 2010, 104, 2236-2248.	1.8	87
862	Nonviral gene transfer as a tool for studying transcription regulation of xenobiotic metabolizing enzymes. Advanced Drug Delivery Reviews, 2010, 62, 1250-1256.	13.7	15
863	Optimization and Numerical Modeling in Irreversible Electroporation Treatment Planning. Series in Biomedical Engineering, 2010, , 203-222.	0.5	12

#	Article	IF	CITATIONS
864	Electrochemotherapy of Mouse Sarcoma Tumors Using Electric Pulse Trains with Repetition Frequencies of 1ÂHz and 5ÂkHz. Journal of Membrane Biology, 2010, 236, 155-162.	2.1	31
865	Gene Transfer: How Can the Biological Barriers Be Overcome?. Journal of Membrane Biology, 2010, 236, 61-74.	2.1	66
866	The Role of Electrophoresis in Gene Electrotransfer. Journal of Membrane Biology, 2010, 236, 75-79.	2.1	42
867	Life Cycle of an Electropore: Field-Dependent and Field-Independent Steps in Pore Creation and Annihilation. Journal of Membrane Biology, 2010, 236, 27-36.	2.1	196
868	Use of Collagen Gel as a Three-Dimensional In Vitro Model to Study Electropermeabilization and Gene Electrotransfer. Journal of Membrane Biology, 2010, 236, 87-95.	2.1	19
869	Magnetic Resonance Imaging Characteristics of Nonthermal Irreversible Electroporation in Vegetable Tissue. Journal of Membrane Biology, 2010, 236, 137-146.	2.1	68
870	Analysis and Comparison of Electrical Pulse Parameters for Gene Electrotransfer of Two Different Cell Lines. Journal of Membrane Biology, 2010, 236, 97-105.	2.1	22
871	Electroporation-Based Technologies and Treatments. Journal of Membrane Biology, 2010, 236, 1-2.	2.1	23
872	The Effect of High-Frequency Electric Pulses on Tumor Blood Flow In Vivo. Journal of Membrane Biology, 2010, 236, 163-166.	2.1	9
873	Methodologies to increase the transformation efficiencies and the range of bacteria that can be transformed. Applied Microbiology and Biotechnology, 2010, 85, 1301-1313.	3.6	110
874	Enhanced electro-mediated gene delivery using carrier genes. Bioelectrochemistry, 2010, 78, 186-190.	4.6	9
875	Identification and Functional Analysis of Regulatory Polymorphisms. Clinical Reviews in Bone and Mineral Metabolism, 2010, 8, 51-59.	0.8	0
876	Electroporation and ultrasound enhanced non-viral gene delivery in vitro and in vivo. Cell Biology and Toxicology, 2010, 26, 21-28.	5. 3	65
877	An outer shell of positively charged poly(ethyleneimine) strongly increases the transfection efficiency of calcium phosphate/DNA nanoparticles. Journal of Materials Science, 2010, 45, 4952-4957.	3.7	45
878	Transfection of Nerve Cells. Neuroscience and Behavioral Physiology, 2010, 40, 269-277.	0.4	1
879	Flow-through electroporation based on constant voltage for large-volume transfection of cells. Journal of Controlled Release, 2010, 144, 91-100.	9.9	86
880	Small interfering RNA (siRNA) delivery into murine bone marrow-derived macrophages by electroporation. Journal of Immunological Methods, 2010, 353, 102-110.	1.4	43
881	Single cells as experimentation units in lab-on-a-chip devices. Trends in Biotechnology, 2010, 28, 55-62.	9.3	61

#	Article	IF	CITATIONS
884	Intracellular Protein Delivery Systems Formed by Noncovalent Bonding Interactions between Amphipathic Peptide Carriers and Protein Cargos. Macromolecular Rapid Communications, 2010, 31, 1134-1141.	3.9	12
885	Electroâ€mediated gene transfer and expression are controlled by the lifeâ€time of DNA/membrane complex formation. Journal of Gene Medicine, 2010, 12, 117-125.	2.8	104
886	Effect of Mg ions on efficiency of gene electrotransfer and on cell electropermeabilization. Bioelectrochemistry, 2010, 79, 265-271.	4.6	30
887	Examination of the induced potential gradients across inner and outer cellular interfaces in a realistic 3D cytoplasmic-embedded mitochondrion model. Journal of Electroanalytical Chemistry, 2010, 638, 59-69.	3.8	3
888	In Vitro Gene Transfer by Electrosonoporation. Ultrasound in Medicine and Biology, 2010, 36, 1746-1755.	1.5	36
889	Efficiency of the delivery of small charged molecules into cells in vitro. Bioelectrochemistry, 2010, 79, 130-135.	4.6	19
890	Carbon nanotube-enhanced cell electropermeabilisation. Bioelectrochemistry, 2010, 79, 136-141.	4.6	32
891	The effects of the electro-photodynamic in vitro treatment on human lung adenocarcinoma cells. Bioelectrochemistry, 2010, 79, 90-94.	4.6	22
892	Targeted nanoparticles enhanced flow electroporation of antisense oligonucleotides in leukemia cells. Biosensors and Bioelectronics, 2010, 26, 778-783.	10.1	40
893	Functional genomics tool: Gene silencing in Ixodes scapularis eggs and nymphs by electroporated dsRNA. BMC Biotechnology, 2010, 10, 1.	3.3	66
894	Single neuron electroporation in manipulating and measuring the central nervous system. International Archive of Medicine, 2010, 3, 28.	1.2	2
895	Electrochemotherapy for cutaneous and subcutaneous tumor lesions: a novel therapeutic approach. Dermatologic Therapy, 2010, 23, 651-661.	1.7	123
896	Cellular delivery of antibodies: effective targeted subcellular imaging and new therapeutic tool. Nature Precedings, 0, , .	0.1	5
897	Optoelectronic Tweezers for the Manipulation of Cells, Microparticles, and Nanoparticles. , 2010, , .		1
898	Review article Genetically modified animals for use in research and biotechnology. Genetics and Molecular Research, 2010, 9, 1469-1482.	0.2	33
899	Combined Pulse Electroporation – A Novel Strategy for Highly Efficient Transfection of Human and Mouse Cells. PLoS ONE, 2010, 5, e9488.	2.5	52
900	Non-invasive and transdermal measurement of blood uric acid level in human by electroporation and reverse iontophoresis. International Journal of Nanomedicine, 2010, Volume 5, 991-997.	6.7	12
901	Bioelectric Applications for Treatment of Melanoma. Cancers, 2010, 2, 1731-1770.	3.7	20

#	Article	IF	CITATIONS
902	Ablation of bone cells by electroporation. Journal of Bone and Joint Surgery: British Volume, 2010, 92-B, 1614-1620.	3.4	47
903	Nanostimulation: Manipulation of Single Neuron Activity by Juxtacellular Current Injection. Journal of Neurophysiology, 2010, 103, 1696-1704.	1.8	306
904	Transfer of gene to human retinal pigment epithelial cells using magnetite cationic liposomes. British Journal of Ophthalmology, 2010, 94, 1074-1077.	3.9	13
905	Endovascular Nonthermal Irreversible Electroporation: A Finite Element Analysis. Journal of Biomechanical Engineering, 2010, 132, 031008.	1.3	21
906	Irreversible Electroporation: First Patient Experience Focal Therapy of Prostate Cancer. Series in Biomedical Engineering, 2010, , 235-247.	0.5	53
907	Antivascular effects of electrochemotherapy: implications in treatment of bleeding metastases. Expert Review of Anticancer Therapy, 2010, 10, 729-746.	2.4	177
909	Irreversible Electroporation Systems for Clinical Use. Series in Biomedical Engineering, 2010, , 255-272.	0.5	5
910	Mechanisms for the Intracellular Manipulation of Organelles byÂConventional Electroporation. Biophysical Journal, 2010, 98, 2506-2514.	0.5	88
911	A statistical model for multidimensional irreversible electroporation cell death in tissue. BioMedical Engineering OnLine, 2010, 9, 13.	2.7	79
912	Numerical optimization of gene electrotransfer into muscle tissue. BioMedical Engineering OnLine, 2010, 9, 66.	2.7	28
913	Transfection of living HeLa cells with fluorescent poly-cytosine encapsulated Ag nanoclusters. Photochemical and Photobiological Sciences, 2010, 9, 716-721.	2.9	90
914	Delivering quantum dot-peptide bioconjugates to the cellular cytosol: escaping from the endolysosomal system. Integrative Biology (United Kingdom), 2010, 2, 265.	1.3	124
915	Optical injection of mammalian cells using a microfluidic platform. Biomedical Optics Express, 2010, 1, 527.	2.9	33
916	The influence of different membrane components on the electrical stability of bilayer lipid membranes. Biochimica Et Biophysica Acta - Biomembranes, 2010, 1798, 21-31.	2.6	53
917	In vivo targeting of subventricular zone astrocytes. Progress in Neurobiology, 2010, 92, 19-32.	5.7	16
918	In vivo electroporation of the central nervous system: A non-viral approach for targeted gene delivery. Progress in Neurobiology, 2010, 92, 227-244.	5.7	66
919	DNA vaccines for the treatment of prostate cancer. Expert Review of Vaccines, 2010, 9, 731-745.	4.4	28
920	Neuronal Nitric Oxide Synthase Gene Transfer into the Rat Prostate Using In Vivo Electroporation. LUTS: Lower Urinary Tract Symptoms, 2010, 2, 83-87.	1.3	0

#	Article	IF	CITATIONS
921	Tissue Electroporation as a Bioelectric Phenomenon: Basic Concepts. Series in Biomedical Engineering, 2010, , 23-61.	0.5	37
922	Transfection by Electroporation of RAW 264.7 Macrophages. Cold Spring Harbor Protocols, 2010, 2010, pdb.prot5374.	0.3	12
923	Electroporation for DNA immunization: clinical application. Expert Review of Vaccines, 2010, 9, 503-517.	4.4	91
924	Embryonic In Vivo Electroporation in the Mouse. Methods in Enzymology, 2010, 477, 37-50.	1.0	8
925	Determination of the electroporation onset of bilayer lipid membranes as a novel approach to establish ternary phase diagrams: example of the l-1±-PC/SM/cholesterol system. Soft Matter, 2010, 6, 4420.	2.7	13
926	Vascular Smooth Muscle Cells Ablation with Endovascular Nonthermal Irreversible Electroporation. Journal of Vascular and Interventional Radiology, 2010, 21, 1708-1715.	0.5	52
927	Transfection by Electroporation. Current Protocols in Molecular Biology, 2010, 92, Unit9.3.	2.9	14
928	Model Analysis of Electric Fields Induced by High-Voltage Pulsing in Cylindrical Nerves. IEEE Transactions on Plasma Science, 2010, 38, 2894-2900.	1.3	8
929	Direct assay of electropermeabilization in a 2D pseudo tissue. Physical Chemistry Chemical Physics, 2010, 12, 14670.	2.8	3
930	Microfluidic electroporation of tumor and blood cells: observation of nucleus expansion and implications on selective analysis and purging of circulating tumor cells. Integrative Biology (United) Tj ETQq1 1	0.71834314	rg B 4 Over
931	The construction of an individually addressable cell array for selective patterning and electroporation. Lab on A Chip, 2011, 11, 2417.	6.0	26
932	Electro-mechanical manipulation of mammalian cells in suspension. , 2011, , .		O
933	The effect of interactions on the cellular uptake of nanoparticles. Physical Biology, 2011, 8, 046002.	1.8	70
934	Transfection by Electroporation. Current Protocols in Neuroscience, 2011, 57, 1E.	2.6	6
935	Nano-Photonics and Opto-Fluidics on Bio-Sensing. , 2011, , 151-176.		0
936	Advances in Gene Delivery Systems. Pharmaceutical Medicine, 2011, 25, 293-306.	1.9	107
937	Cell Electroporation in Bone Tissue. , 2011, , 115-127.		8
938	Investigation of the Safety of Irreversible Electroporation in Humans. Journal of Vascular and Interventional Radiology, 2011, 22, 611-621.	0.5	408

#	Article	IF	Citations
939	Cationic lipo-thiophosphoramidates for gene delivery: synthesis, physico-chemical characterization and gene transfection activity $\hat{a} \in \text{``comparison with lipo-phosphoramidates. Organic and Biomolecular Chemistry, 2011, 9, 2422.}$	2.8	31
940	Competitive electroporation formulation for cell therapy. Cancer Gene Therapy, 2011, 18, 579-586.	4.6	20
941	Genetic Immunization with Plasmid DNA Mediated by Electrotransfer. Human Gene Therapy, 2011, 22, 789-798.	2.7	21
942	Self-powered electroporation using a singularity-induced nano-electroporation configuration. Biochemical and Biophysical Research Communications, 2011, 414, 419-424.	2.1	6
943	Introduction to Electroporation., 2011,, 3-7.		2
944	ETM study of electroporation influence on cell morphology in human malignant melanoma and human primary gingival fibroblast cells. Asian Pacific Journal of Tropical Biomedicine, 2011, 1, 94-98.	1.2	11
945	Transfection of cells using flow-through electroporation based on constant voltage. Nature Protocols, 2011, 6, 1192-1208.	12.0	71
946	Transfection by Electroporation. Current Protocols in Cell Biology, 2011, 52, Unit20.5.	2.3	11
947	Irreversible Electroporation Near the Heart: Ventricular Arrhythmias Can Be Prevented With ECG Synchronization. American Journal of Roentgenology, 2011, 196, W330-W335.	2.2	166
948	Selected approaches for increasing HIV DNA vaccine immunogenicity in vivo. Current Opinion in Virology, 2011, 1, 233-240.	5.4	57
949	Gene Therapy of Some Genetic Diseases by Transferring Normal Human Genomic DNA into Somatic Cells and Stem Cells from Patients. , 0, , .		2
950	Intramuscular IL-12 Electrogene Therapy for Treatment of Spontaneous Canine Tumors. , 2011, , .		6
951	Electroporation of Craniofacial Mesenchyme. Journal of Visualized Experiments, 2011, , e3381.	0.3	0
952	The Role of Electrochemotherapy in the Treatment of Malignant Melanoma. , 2011, , .		0
953	Pulse Power Ablation of Melanoma with Nanosecond Pulsed Electric Fields. , 0, , .		5
954	The Mechanical Agitation Method of Gene Transfer for Ex-Vivo Gene Therapy. , 2011, , .		0
955	Mass Transfer Enhancement by Means of Electroporation., 2011,,.		10
956	Microfluidic Bioreactors for Cell Culturing: A Review. Micro and Nanosystems, 2011, 3, 137-160.	0.6	38

#	ARTICLE	IF	CITATIONS
957	A Theoretical Analysis of the Feasibility of a Singularity-Induced Micro-Electroporation System. PLoS ONE, 2011, 6, e18523.	2.5	10
958	Membrane Binding of Plasmid DNA and Endocytic Pathways Are Involved in Electrotransfection of Mammalian Cells. PLoS ONE, 2011, 6, e20923.	2.5	66
959	Cryosurgery with Pulsed Electric Fields. PLoS ONE, 2011, 6, e26219.	2.5	8
960	Changing the Direction and Orientation of Electric Field During Electric Pulses Application Improves Plasmid Gene Transfer in vitro . Journal of Visualized Experiments, 2011, , .	0.3	1
961	In vivo Electroporation of Developing Mouse Retina. Journal of Visualized Experiments, $2011, , .$	0.3	28
962	Generation of phospholipid vesicle-nanotube networks and transport of molecules therein. Nature Protocols, 2011, 6, 791-805.	12.0	61
963	Enhancement of electric field-mediated gene delivery through pretreatment of tumors with a hyperosmotic mannitol solution. Cancer Gene Therapy, 2011, 18, 26-33.	4.6	13
964	Pre-treatment of cells with pluronic L64 increases DNA transfection mediated by electrotransfer. Journal of Controlled Release, 2011, 149, 117-125.	9.9	13
965	Selective gene transfection of individual cells in vitro with plasmonic nanobubbles. Journal of Controlled Release, 2011, 152, 286-293.	9.9	75
966	Transfection optimization for primary human CD8+ cells. Journal of Immunological Methods, 2011, 372, 22-29.	1.4	18
967	Equivalent Pulse Parameters for Electroporation. IEEE Transactions on Biomedical Engineering, 2011, 58, 3279-3288.	4.2	179
968	Magnetic Resonance Electrical Impedance Tomography for Monitoring Electric Field Distribution During Tissue Electroporation. IEEE Transactions on Medical Imaging, 2011, 30, 1771-1778.	8.9	47
969	Genetically manipulated adult stem cells for wound healing. Drug Discovery Today, 2011, 16, 957-966.	6.4	28
970	Numerical simulation of molecular uptake via electroporation. Bioelectrochemistry, 2011, 82, 10-21.	4.6	81
971	Pyridinium Amphiphiles in Gene Delivery – Present and Perspectives. ACS Symposium Series, 2011, , 23-38.	0.5	8
972	Single-Step Injection of Gold Nanoparticles through Phospholipid Membranes. ACS Nano, 2011, 5, 3585-3590.	14.6	82
973	Modeling the Early Steps of Cytoplasmic Trafficking in Viral Infection and Gene Delivery. SIAM Journal on Applied Mathematics, 2011, 71, 2334-2358.	1.8	13
974	Microfluidics cell electroporation. Microfluidics and Nanofluidics, 2011, 10, 703-734.	2.2	122

#	ARTICLE	IF	Citations
975	Percutaneous Irreversible Electroporation Lung Ablation: Preliminary Results in a Porcine Model. CardioVascular and Interventional Radiology, 2011, 34, 1278-1287.	2.0	39
976	Diffusion-Weighted MRI for Verification of Electroporation-Based Treatments. Journal of Membrane Biology, 2011, 240, 131-138.	2.1	22
977	A lipocentric view of peptide-induced pores. European Biophysics Journal, 2011, 40, 399-415.	2.2	109
978	Intracellular peptide delivery using amphiphilic lipidâ€based formulations. Biotechnology and Bioengineering, 2011, 108, 2477-2487.	3.3	10
979	Live Cell Luminescence Imaging As a Function of Delivery Mechanism. ChemBioChem, 2011, 12, 548-551.	2.6	38
980	Optimizing clinical performance and geometrical robustness of a new electrode device for intracranial tumor electroporation. Bioelectrochemistry, 2011, 81, 10-16.	4.6	45
981	<i>In vivo</i> non-thermal irreversible electroporation impact on rat liver galvanic apparent internal resistance. Physics in Medicine and Biology, 2011, 56, 951-963.	3.0	24
982	The Actin Cytoskeleton Has an Active Role in the Electrotransfer of Plasmid DNA in Mammalian Cells. Molecular Therapy, 2011, 19, 913-921.	8.2	72
983	Biotechnology in the Treatment of Sensorineural Hearing Loss: Foundations and Future of Hair Cell Regeneration. Journal of Speech, Language, and Hearing Research, 2011, 54, 1709-1731.	1.6	25
984	Single Molecule Fluorescence Detection and Tracking in Mammalian Cells: The State-of-the-Art and Future Perspectives. International Journal of Molecular Sciences, 2012, 13, 14742-14765.	4.1	25
985	Viral and nonviral delivery systems for gene delivery. Advanced Biomedical Research, 2012, 1, 27.	0.5	638
986	Non-contact helium-based plasma for delivery of DNA vaccines. Human Vaccines and Immunotherapeutics, 2012, 8, 1729-1733.	3.3	17
987	Spatial Distribution of Transgenic Protein After Gene Electrotransfer to Porcine Muscle. Human Gene Therapy Methods, 2012, 23, 387-392.	2.1	9
988	Towards Electroporation Based Treatment Planning considering Electric Field Induced Muscle Contractions. Technology in Cancer Research and Treatment, 2012, 11, 189-201.	1.9	50
989	Physically facilitating drug-delivery systems. Therapeutic Delivery, 2012, 3, 125-139.	2.2	25
990	Harnessing DNA-induced immune responses for improving cancer vaccines. Human Vaccines and Immunotherapeutics, 2012, 8, 1682-1693.	3.3	26
991	Plasmid IL-12 electroporation in melanoma. Human Vaccines and Immunotherapeutics, 2012, 8, 1734-1738.	3.3	35
992	Gene delivery by microfluidic flow-through electroporation based on constant DC and AC field. , 2012, 2012, 2579-82.		4

#	Article	IF	CITATIONS
993	Characterization of a TEM cell-based setup for the exposure of biological cell suspensions to high-intensity nanosecond pulsed electric fields (nsPEFs)., 2012 ,,.		12
994	Effect of irreversible electroporation on three-dimensional cell culture model., 2012, 2012, 179-82.		3
995	A low-cost intracellular delivery system based on microbubble and high gravity field. , 2012, 2012, 2424-7.		0
996	FDTD-based microdosimetry for high-intensity nanosecond pulsed electric fields (nsPEFs) application., 2012,,.		1
997	Muscle gene electrotransfer is increased by the antioxidant tempol in mice. Gene Therapy, 2012, 19, 312-320.	4.5	26
999	Treatment planning of electroporation-based medical interventions: electrochemotherapy, gene electrotransfer and irreversible electroporation. Physics in Medicine and Biology, 2012, 57, 5425-5440.	3.0	107
1000	Cellular microinjection for therapeutic and research applications. , 2012, , 432-448.		1
1001	Analysis of cell poration by femtosecond laser for particle insertion by optical manipulation., 2012,,.		2
1002	Contactless magneto-permeabilization for intracellular plasmid DNA delivery in-vivo. Human Vaccines and Immunotherapeutics, 2012, 8, 1707-1713.	3.3	42
1003	Utility of electrochemotherapy in melanoma treatment. Current Opinion in Oncology, 2012, 24, 155-161.	2.4	34
1004	Nano particles insertion into individual mammalian cells using optical tweezers. Proceedings of SPIE, 2012, , .	0.8	1
1005	Continuous flow single cell electroporation in an ultrafast laser inscribed optofluidic device. , 2012,		0
1006	Percutaneous ultrasound-guided irreversible electroporation: A goat liver study. Oncology Letters, 2012, 4, 450-454.	1.8	13
1007	Electrochemotherapy for Non-Melanoma Head and Neck Cancers. Annals of Surgery, 2012, 255, 1158-1164.	4.2	61
1008	Nanotechnology for DNA and RNA delivery. , 2012, , 302-325.		1
1009	Electro-manipulation of biological cells in microdevices. IEEE Transactions on Dielectrics and Electrical Insulation, 2012, 19, 1261-1268.	2.9	10
1010	Irreversible Electroporation Therapy in the Management of Locally Advanced Pancreatic Adenocarcinoma. Journal of the American College of Surgeons, 2012, 215, 361-369.	0.5	248
1011	Physical methods for genetic plant transformation. Physics of Life Reviews, 2012, 9, 308-345.	2.8	93

#	Article	IF	CITATIONS
1012	Intracellular recording of action potentials by nanopillar electroporation. Nature Nanotechnology, 2012, 7, 185-190.	31.5	509
1013	Advances in genetic engineering of marine algae. Biotechnology Advances, 2012, 30, 1602-1613.	11.7	136
1015	Encapsulation of Biomacromolecules within Polymersomes by Electroporation. Angewandte Chemie - International Edition, 2012, 51, 11122-11125.	13.8	101
1016	Superoxide determination using membrane-engineered cells: An example of a novel concept for the construction of cell sensors with customized target recognition properties. Sensors and Actuators B: Chemical, 2012, 175, 78-84.	7.8	13
1017	Towards the mechanisms for efficient gene transfer into cells and tissues by means of cell electroporation. Expert Opinion on Biological Therapy, 2012, 12, 275-286.	3.1	32
1018	Delivery of molecules into cells using localized single cell electroporation on ITO micro-electrode based transparent chip. Biomedical Microdevices, 2012, 14, 811-817.	2.8	33
1019	Listeria monocytogenes cell wall constituents exert a charge effect on electroporation threshold. Biochimica Et Biophysica Acta - Biomembranes, 2012, 1818, 689-694.	2.6	29
1020	Electrochemotherapy of chest wall breast cancer recurrence. Cancer Treatment Reviews, 2012, 38, 379-386.	7.7	104
1021	In Vivo Molecular Imaging and Histological Analysis of Changes Induced by Electric Pulses Used for Plasmid DNA Electrotransfer to the Skin: A Study in a Dorsal Window Chamber in Mice. Journal of Membrane Biology, 2012, 245, 545-554.	2.1	42
1022	Electric Field Orientation for Gene Delivery Using High-Voltage and Low-Voltage Pulses. Journal of Membrane Biology, 2012, 245, 661-666.	2.1	13
1023	Potential of primary kidney cells for somatic cell nuclear transfer mediated transgenesis in pig. BMC Biotechnology, 2012, 12, 84.	3.3	49
1024	Educational application for visualization and analysis of electric field strength in multiple electrode electroporation. BMC Medical Education, 2012, 12, 102.	2.4	17
1025	IL-12 based gene therapy in veterinary medicine. Journal of Translational Medicine, 2012, 10, 234.	4.4	42
1026	Regulation of fertilization in male rats by CatSper2 knockdown. Asian Journal of Andrology, 2012, 14, 301-309.	1.6	10
1027	Optimization of transfection methods for Huh-7 and Vero cells: A comparative study. Cytology and Genetics, 2012, 46, 347-353.	0.5	10
1028	Cell lineage tracing techniques for the study of brain development and regeneration. International Journal of Developmental Neuroscience, 2012, 30, 560-569.	1.6	4
1029	A stochastic model for DNA translocation through an electropore. Biochimica Et Biophysica Acta - Biomembranes, 2012, 1818, 2494-2501.	2.6	21
1030	Electroporation-mediated genetic vaccination for antigen mapping: Application to Plasmodium falciparum VAR2CSA protein. Bioelectrochemistry, 2012, 87, 132-137.	4.6	3

#	Article	IF	CITATIONS
1031	A brief overview of electroporation pulse strength–duration space: A region where additional intracellular effects are expected. Bioelectrochemistry, 2012, 87, 236-243.	4.6	227
1032	In vivo imaging of inhibitory, GABAergic neurons by MRI. Neurolmage, 2012, 62, 1685-1693.	4.2	17
1033	Nucleic Acids as Therapeutics. , 2012, , 19-45.		12
1034	Electron Microscopic Demonstration and Evaluation of Irreversible Electroporation-Induced Nanopores on Hepatocyte Membranes. Journal of Vascular and Interventional Radiology, 2012, 23, 107-113.	0.5	101
1035	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
1036	Improvement of DNA Vaccines by Electroporation. , 2012, , 145-162.		1
1037	Nonlinear electro-mechanobiological behavior of cell membrane during electroporation. Applied Physics Letters, 2012, 101, 053702.	3.3	23
1038	Nanoparticle-Based Vectors for Gene Delivery. Proceedings of the National Academy of Sciences India Section B - Biological Sciences, 2012, 82, 59-81.	1.0	1
1040	Calcium and Phosphatidylserine Inhibit Lipid Electropore Formation and Reduce Pore Lifetime. Journal of Membrane Biology, 2012, 245, 599-610.	2.1	38
1041	Design and Implementation of a Microelectrode Assembly for Use on Noncontact In Situ Electroporation of Adherent Cells. Journal of Membrane Biology, 2012, 245, 617-624.	2.1	14
1042	Electrochemotherapy of cutaneous metastasis from breast cancer in elderly patients: a preliminary report. BMC Surgery, 2012, 12, S6.	1.3	56
1043	Subretinal Delivery and Electroporation in Pigmented and Nonpigmented Adult Mouse Eyes. Methods in Molecular Biology, 2012, 884, 53-69.	0.9	18
1044	MRI Study on Reversible and Irreversible Electroporation Induced Blood Brain Barrier Disruption. PLoS ONE, 2012, 7, e42817.	2.5	81
1045	Ex Vivo and In Silico Feasibility Study of Monitoring Electric Field Distribution in Tissue during Electroporation Based Treatments. PLoS ONE, 2012, 7, e45737.	2.5	40
1046	Optimization of adult sensory neuron electroporation to study mechanisms of neurite growth. Frontiers in Molecular Neuroscience, 2012, 5, 11.	2.9	8
1047	Gene Electrotransfer. Behavior Research Methods, 2012, 15, 77-104.	4.0	5
1048	Potentiation of the Antitumour Effect of Cisplatin by Administering Local Electrical Pulses to Metastatic Lesions of Hamster Oral Fibrosarcoma. Journal of Hard Tissue Biology, 2012, 21, 451-458.	0.4	1
1049	Electroporation-induced changes in normal immature rat myoblasts (H9C2). General Physiology and Biophysics, 2012, 31, 19-25.	0.9	67

#	ARTICLE	IF	CITATIONS
1050	Targets and delivery methods for therapeutic angiogenesis in peripheral artery disease. Vascular Medicine, 2012, 17, 174-192.	1.5	58
1051	Irreversible electroporation on the small intestine. British Journal of Cancer, 2012, 106, 490-495.	6.4	70
1052	Nonviral gene therapy targeting cardiovascular system. American Journal of Physiology - Heart and Circulatory Physiology, 2012, 303, H629-H638.	3.2	48
1053	Variable electric fields for high throughput electroporation protocol design in curvilinear coordinates. Biotechnology and Bioengineering, 2012, 109, 2168-2171.	3.3	15
1054	Review of micro/nano technologies and theories for electroporation of biological cells. Science China: Physics, Mechanics and Astronomy, 2012, 55, 996-1003.	5.1	19
1055	Single-cell electroporation using proton beam fabricated biochips. Biomedical Microdevices, 2012, 14, 533-540.	2.8	12
1056	Calcium phosphate composite layers for surface-mediated gene transfer. Acta Biomaterialia, 2012, 8, 2034-2046.	8.3	93
1057	New developments and opportunities in oral mucosal drug delivery for local and systemic disease. Advanced Drug Delivery Reviews, 2012, 64, 16-28.	13.7	251
1058	Cholesterol implications in plasmid DNA electrotransfer: Evidence for the involvement of endocytotic pathways. International Journal of Pharmaceutics, 2012, 423, 134-143.	5.2	41
1059	Electrokinetic transport through the nanopores in cell membrane during electroporation. Journal of Colloid and Interface Science, 2012, 369, 442-452.	9.4	35
1060	The role of electrically stimulated endocytosis in gene electrotransfer. Bioelectrochemistry, 2012, 83, 38-45.	4.6	18
1061	Enhanced labeling of microalgae cellular lipids by application of an electric field generated by alternating current. Bioresource Technology, 2012, 111, 323-327.	9.6	13
1062	A comparative study on low-energy ion beam and neutralized beam modifications of naked DNA and biological effect on mutation. Nuclear Instruments & Methods in Physics Research B, 2012, 272, 377-381.	1.4	2
1063	A circuit design of a low-cost, portable and programmable electroporation device for biomedical applications. Sensors and Actuators B: Chemical, 2012, 166-167, 292-300.	7.8	12
1064	Transfecting the hard-to-transfect lymphoma/leukemia cells using a simple cationic polymer nanocomplex. Journal of Controlled Release, 2012, 159, 104-110.	9.9	43
1065	Low-frequency ac electroporation shows strong frequency dependence and yields comparable transfection results to dc electroporation. Journal of Controlled Release, 2012, 160, 570-576.	9.9	51
1066	Microsecond and nanosecond electric pulses in cancer treatments. Bioelectromagnetics, 2012, 33, 106-123.	1.6	162
1067	Nucleofection induces non-specific changes in the metabolic activity of transfected cells. Molecular Biology Reports, 2012, 39, 2187-2194.	2.3	14

#	Article	IF	CITATIONS
1068	Gene delivery in conjunction with gold nanoparticle and tumor treating electric field. Journal of Applied Physics, $2013,114,.$	2.5	15
1069	Comparison of Alkaline Lysis with Electroextraction and Optimization of Electric Pulses to Extract Plasmid DNA from Escherichia coli. Journal of Membrane Biology, 2013, 246, 861-867.	2.1	28
1070	Nanoscale, Electric Field-Driven Water Bridges in Vacuum Gaps and Lipid Bilayers. Journal of Membrane Biology, 2013, 246, 793-801.	2.1	18
1071	Nanoelectronics-biology frontier: From nanoscopic probes for action potential recording in live cells to three-dimensional cyborg tissues. Nano Today, 2013, 8, 351-373.	11.9	116
1072	Development of rapid microwave-mediated and low-temperature bacterial transformations. Journal of Chemical Biology, 2013, 6, 135-140.	2.2	6
1073	Microfluidic electro-sonoporation: a multi-modal cell poration methodology through simultaneous application of electric field and ultrasonic wave. Lab on A Chip, 2013, 13, 2144.	6.0	48
1074	Thermal loading in flow-through electroporation microfluidic devices. Lab on A Chip, 2013, 13, 3119-3127.	6.0	16
1075	Resonance versus linear responses to alternating electric fields induce mechanistically distinct mammalian cell death. Bioelectrochemistry, 2013, 94, 61-68.	4.6	6
1076	Review of current thermal ablation treatment for lung cancer and the potential of electrochemotherapy as a means for treatment of lung tumours. Cancer Treatment Reviews, 2013, 39, 862-871.	7.7	60
1077	Modeling of electric field distribution in tissues during electroporation. BioMedical Engineering OnLine, 2013, 12, 16.	2.7	183
1078	Cell membrane electroporation-Part 2: the applications. IEEE Electrical Insulation Magazine, 2013, 29, 29-37.	0.8	110
1079	Microbubble-Enhanced Cell Membrane Permeability in High Gravity Field. Cellular and Molecular Bioengineering, 2013, 6, 266-278.	2.1	3
1080	Microfluidic electroporation for cellular analysis and delivery. Lab on A Chip, 2013, 13, 3803-3821.	6.0	174
1081	Highly efficient molecular delivery into Chlamydomonas reinhardtii by electroporation. Korean Journal of Chemical Engineering, 2013, 30, 1626-1630.	2.7	28
1082	Efficient production of chimeric mice from embryonic stem cells injected into 4- to 8-cell and blastocyst embryos. Journal of Animal Science and Biotechnology, 2013, 4, 12.	5.3	18
1083	Magnetic resonance electrical impedance tomography for determining electric field distribution during electroporation. Journal of Physics: Conference Series, 2013, 434, 012086.	0.4	0
1084	Electroporation of Intracellular Liposomes Using Nanosecond Electric Pulsesâ€"A Theoretical Study. IEEE Transactions on Biomedical Engineering, 2013, 60, 2624-2635.	4.2	61
1085	Regulation of the \hat{l}^2 -endorphin precursor proopiomelanocortin in lymphocytes in a rat model of inflammatory pain. Brain, Behavior, and Immunity, 2013, 29, S6.	4.1	0

#	ARTICLE	IF	CITATIONS
1086	Long-Lived Intracellular Single-Molecule Fluorescence Using Electroporated Molecules. Biophysical Journal, 2013, 105, 2439-2450.	0.5	76
1087	Targeted gene delivery in the cricket brain, using in vivo electroporation. Journal of Insect Physiology, 2013, 59, 1235-1241.	2.0	7
1088	Functional evaluation of malaria Pfs25 DNA vaccine by in vivo electroporation in olive baboons. Vaccine, 2013, 31, 3140-3147.	3.8	25
1089	Electroporation., 2013,, 21-36.		2
1090	DNA Immunization. Current Protocols in Microbiology, 2013, 31, 18.3.1-18.3.24.	6.5	17
1091	The Effects of Metallic Implants on Electroporation Therapies: Feasibility of Irreversible Electroporation for Brachytherapy Salvage. CardioVascular and Interventional Radiology, 2013, 36, 1638-1645.	2.0	27
1092	Theoretical Analysis and Experimental Determination of the Relationships Between the Parameters of the Electric Field Pulse Required to Electroporate the Cells. IEEE Transactions on Plasma Science, 2013, 41, 2913-2919.	1.3	14
1093	Yield Strength of Human Erythrocyte Membranes to Impulsive Stretching. Biophysical Journal, 2013, 105, 872-879.	0.5	64
1094	Mass Transfer Phenomena in Electroporation. , 2013, , 455-492.		5
1095	Optimizing a polydimethylsiloxone(PDMS) into flexographic printing process for RFID biomedical devices and cell cultures. , 2013, , .		O
1096	Transient oscillation of shape and membrane conductivity changes by field pulse-induced electroporation in nano-sized phospholipid vesicles. Physical Chemistry Chemical Physics, 2013, 15, 6303.	2.8	10
1097	Electroporation for Transfection and Differentiation of Dental Pulp Stem Cells. BioResearch Open Access, 2013, 2, 155-162.	2.6	19
1098	Single cell membrane poration by bubble-induced microjets in a microfluidic chip. Lab on A Chip, 2013, 13, 1144.	6.0	65
1099	Nanofocused electric field for localized single cell nanoelectroporation with membrane reversibility., 2013,,.		1
1100	Water Bridges in Electropermeabilized Phospholipid Bilayers. Proceedings of the IEEE, 2013, 101, 494-504.	21.3	32
1101	Water influx and cell swelling after nanosecond electropermeabilization. Biochimica Et Biophysica Acta - Biomembranes, 2013, 1828, 1715-1722.	2.6	59
1102	Low-energy ion beam bombardment of human cancer cells in vacuum to induce DNA transfection. Vacuum, 2013, 90, 89-96.	3.5	2
1103	Physics of nanoporation and water entry driven by a high-intensity, ultrashort electrical pulse in the presence of membrane hydrophobic interactions. Physical Review E, 2013, 87, .	2.1	33

#	Article	IF	CITATIONS
1104	The impact of pulsed electric fields on cells and biomolecules. Physics of Life Reviews, 2013, 10, 382-383.	2.8	4
1105	An experimental system for controlled exposure of biological samples to electrostatic discharges. Bioelectrochemistry, 2013, 94, 79-86.	4.6	9
1106	Current density and conductivity dependent electroporation of Escherichia coli C600. Progress in Biophysics and Molecular Biology, 2013, 111, 46-54.	2.9	9
1107	Reversible and irreversible electroporation of cell suspensions flowing through a localized DC electric field. Cellular and Molecular Biology Letters, 2013, 18, 102-19.	7.0	15
1108	Nonthermal Irreversible Electroporation: Fundamentals, Applications, and Challenges. IEEE Transactions on Biomedical Engineering, 2013, 60, 707-714.	4.2	164
1109	Physical Non-Viral Gene Delivery Methods for Tissue Engineering. Annals of Biomedical Engineering, 2013, 41, 446-468.	2.5	140
1110	Plant cell electrophysiology: Applications in growth enhancement, somatic hybridisation and gene transfer. Biotechnology Advances, 2013, 31, 1237-1246.	11.7	19
1112	Biolistic Transfection of Human Embryonic Kidney (HEK) 293 Cells., 2013, 940, 119-132.		1
1113	DERIVING AN ELECTRIC CIRCUIT EQUIVALENT MODEL OF CELL MEMBRANE PORES IN ELECTROPORATION. Biophysical Reviews and Letters, 2013, 08, 21-32.	0.8	7
1114	Lightning-triggered electroporation and electrofusion as possible contributors to natural horizontal gene transfer. Physics of Life Reviews, 2013, 10, 351-370.	2.8	49
1115	Effect of different parameters used for <i>in vitro</i> gene electrotransfer on gene expression efficiency, cell viability and visualization of plasmid DNA at the membrane level. Journal of Gene Medicine, 2013, 15, 169-181.	2.8	46
1116	Large Volume Flow Electroporation of mRNA: Clinical Scale Process. Methods in Molecular Biology, 2013, 969, 127-138.	0.9	21
1117	Quantification of propidium iodide delivery using millisecond electric pulses: Experiments. Biochimica Et Biophysica Acta - Biomembranes, 2013, 1828, 1322-1328.	2.6	33
1118	Irreversible Electroporation: Evaluation of Nonthermal and Thermal Ablative Capabilities in the Porcine Kidney. Urology, 2013, 81, 679-684.	1.0	45
1119	Cell uptake mechanisms of PAMAM G4-FITC dendrimer in human myometrial cells. Journal of Nanoparticle Research, 2013, 15, 1.	1.9	14
1120	Molecular Dynamic Simulation of Transmembrane Pore Growth. Journal of Membrane Biology, 2013, 246, 821-831.	2.1	11
1121	The effect of extracellular conductivity on electroporation-mediated molecular delivery. Biochimica Et Biophysica Acta - Biomembranes, 2013, 1828, 461-470.	2.6	50
1122	Changes of cell electrical parameters induced by electroporation. A dielectrophoresis study. Biochimica Et Biophysica Acta - Biomembranes, 2013, 1828, 365-372.	2.6	39

#	Article	IF	CITATIONS
1123	Method for Electric Parametric Characterization and Optimization of Electroporation on a Chip. Analytical Chemistry, 2013, 85, 4483-4491.	6.5	9
1124	Nanofountain Probe Electroporation (NFP-E) of Single Cells. Nano Letters, 2013, 13, 2448-2457.	9.1	102
1125	Electroporation-mediated gene transfer directly to the swine heart. Gene Therapy, 2013, 20, 151-157.	4. 5	46
1126	Involvement of the Notch Pathway in Terminal Astrocytic Differentiation: Role of PKA. ASN Neuro, 2013, 5, AN20130023.	2.7	21
1127	Single-cell optoporation and transfection using femtosecond laser and optical tweezers. Biomedical Optics Express, 2013, 4, 1533.	2.9	70
1128	Delivery of Interleukin-15 to B16 Melanoma by Electroporation Leads to Tumor Regression and Long-term Survival. TCRT Express, 2014, 13, 551-60.	1.5	27
1129	In ovo Expression of MicroRNA in Ventral Chick Midbrain. Journal of Visualized Experiments, 2013, , e50024.	0.3	2
1130	Irreversible Electroporation of Hepatic Malignancy. Seminars in Interventional Radiology, 2013, 30, 067-073.	0.8	39
1131	An Experimental and Numerical Investigation of Phase Change Electrodes for Therapeutic Irreversible Electroporation. Journal of Biomechanical Engineering, 2013, 135, 111009.	1.3	20
1132	Targeted prostate cancer ablation. Current Opinion in Urology, 2013, 23, 123-128.	1.8	21
1133	Chronopotentiometric Investigation of the Influence of Cholesterol and Ionic Strength on Lipid Bilayer's Physicochemical Properties. Journal of the Electrochemical Society, 2013, 160, H166-H172.	2.9	4
1134	Preliminary investigation of the effects of silencing the non-coding RNA, NEAT1, on the Burkitt's lymphoma cell line BJAB. Bioscience Horizons, 2013, 6, hzt006-hzt006.	0.6	4
1135	In vitro and in vivo delivery of genes and proteins using the bacteriophage T4 DNA packaging machine. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 5846-5851.	7.1	92
1136	Micro-/nanofluidics based cell electroporation. Biomicrofluidics, 2013, 7, 11301.	2.4	80
1137	Regeneration and control of human fibroblast cell density by intermittently delivered pulsed electric fields. Biotechnology and Bioengineering, 2013, 110, 1759-1768.	3.3	17
1138	Irreversible electroporation and apoptosis in human liver cancer cells induced by nanosecond electric pulses. Bioelectromagnetics, 2013, 34, 512-520.	1.6	19
1139	Ultrasoundâ€mediated gene delivery systems by AG73â€modified bubble liposomes. Biopolymers, 2013, 100, 402-407.	2.4	22
1140	Tuning nano electric field to affect restrictive membrane area on localized single cell nano-electroporation. Applied Physics Letters, 2013, 103, .	3.3	32

#	ARTICLE	IF	CITATIONS
1141	Visualization of the membrane engineering concept: evidence for the specific orientation of electroinserted antibodies and selective binding of target analytes. Journal of Molecular Recognition, 2013, 26, 627-632.	2.1	18
1142	Thermal Enhancement of Gene Transfection in Tumor Cells Mediated by the Photothermal Effect of Gold Nanorods. Chemistry Letters, 2013, 42, 767-768.	1.3	1
1143	Rapid Protocol for Preparation of Electrocompetent Escherichia coli and Vibrio cholerae . Journal of Visualized Experiments, 2013, , .	0.3	36
1144	Cell responses without receptors and ligands, using nanosecond pulsed electric fields (nsPEFs). International Journal of Nanomedicine, 2013, 8, 3401.	6.7	13
1145	Electroporation Based Drug Delivery and Its Applications. , 2013, , .		9
1146	Sonoporation: Gene transfer using ultrasound. World Journal of Methodology, 2013, 3, 39.	3.5	74
1147	Differential Mechanisms Associated with Vascular Disrupting Action of Electrochemotherapy: Intravital Microscopy on the Level of Single Normal and Tumor Blood Vessels. PLoS ONE, 2013, 8, e59557.	2.5	88
1148	Electric Field-Driven Water Dipoles: Nanoscale Architecture of Electroporation. PLoS ONE, 2013, 8, e61111.	2.5	83
1149	The Role of Ph Fronts in Tissue Electroporation Based Treatments. PLoS ONE, 2013, 8, e80167.	2.5	51
1150	DNA Electrotransfer: An Effective Tool for Gene Therapy. , 2013, , .		2
1151	Current Therapies and New Pharmacologic Targets for Metastatic Melanoma. , 2013, , .		1
1152	TRANSDERMAL DRUG DELIVERY ADHESION AS A CRITICAL PARAMETER. International Research Journal of Pharmacy, 2013, 2, 16-21.	0.2	3
1153	The Role of Additional Pulses in Electropermeabilization Protocols. PLoS ONE, 2014, 9, e113413.	2.5	33
1154	Gene Electro Transfer of Plasmid Encoding Vascular Endothelial Growth Factor for Enhanced Expression and Perfusion in the Ischemic Swine Heart. PLoS ONE, 2014, 9, e115235.	2.5	14
1155	Irreversible electroporation: the evolution of a laboratory technique to be used in interventional oncology. Diagnostic and Interventional Radiology, 2014, 20, 147-54.	1.5	39
1157	Electroporation Gene Therapy. , 2014, , 93-106.		7
1158	A Double-Pulse Approach For Electrotransfection. Journal of Membrane Biology, 2014, 247, 1253-1258.	2.1	5
1159	Gold Nanoparticles Enhanced Electroporation for Mammalian Cell Transfection. Journal of Biomedical Nanotechnology, 2014, 10, 982-992.	1.1	52

#	Article	IF	CITATIONS
1160	Segmentation of hepatic vessels from MRI images for planning of electroporation-based treatments in the liver. Radiology and Oncology, 2014, 48, 267-281.	1.7	32
1161	Impact of pulse duration on localized single-cell nano-electroporation. Analyst, The, 2014, 139, 6249-6258.	3.5	32
1162	Cell membrane electroporation-Part 3: the equipment. IEEE Electrical Insulation Magazine, 2014, 30, 8-18.	0.8	91
1163	The Relative Contributions of DNA Strand Breaks, Base Damage and Clustered Lesions to the Loss of DNA Functionality Induced by Ionizing Radiation. Radiation Research, 2014, 181, 99-110.	1.5	33
1164	Silicon nanoneedles for drug delivery. , 2014, , 144-167.		9
1165	Flow-through electroporation of mammalian cells in decoupled flow streams using microcapillaries. Biomicrofluidics, 2014, 8, 052101.	2.4	7
1166	Efficient Procedure and Methods to Determine Critical Electroporation Parameters. , 2014, , .		7
1167	Pancreatic Cancer Induced by In Vivo Electroporation-Enhanced Sleeping Beauty Transposon Gene Delivery System in Mouse. Pancreas, 2014, 43, 614-618.	1.1	13
1168	Application of fluorescence spectroscopy and multispectral imaging for non-invasive estimation of GFP transfection efficiency. Proceedings of SPIE, $2014, , .$	0.8	1
1169	Encapsulating Non-Human Primate Multipotent Stromal Cells in Alginate via High Voltage for Cell-Based Therapies and Cryopreservation. PLoS ONE, 2014, 9, e107911.	2.5	29
1170	Magnetic resonance electrical impedance tomography for measuring electrical conductivity during electroporation. Physiological Measurement, 2014, 35, 985-996.	2.1	30
1171	siRNA Delivery via Electropulsation: A Review of the Basic Processes. Methods in Molecular Biology, 2014, 1121, 81-98.	0.9	4
1172	A new approach for noninvasive transdermal determination of blood uric acid levels. International Journal of Nanomedicine, 2014, 9, 3069.	6.7	3
1173	Locally enhanced chemotherapy by electroporation: clinical experiences and perspective of use of electrochemotherapy. Future Oncology, 2014, 10, 877-890.	2.4	126
1174	Changing electrode orientation, but not pulse polarity, increases the efficacy of gene electrotransfer to tumors in vivo. Bioelectrochemistry, 2014, 100, 119-127.	4.6	15
1175	Comparison of small interfering RNA (siRNA) delivery into bovine monocyte-derived macrophages by transfection and electroporation. Veterinary Immunology and Immunopathology, 2014, 158, 224-232.	1.2	30
1176	Influence of Pulsed Electric Field Protocols on the Reversible Permeabilization of Rucola Leaves. Food and Bioprocess Technology, 2014, 7, 761-773.	4.7	39
1177	Measurement of local electric field in microdevices for low-voltage electroporation of adherent cells. Microsystem Technologies, 2014, 20, 303-313.	2.0	2

#	Article	IF	CITATIONS
1178	Physical energy for drug delivery; poration, concentration and activation. Advanced Drug Delivery Reviews, 2014, 71, 98-114.	13.7	139
1179	Decreasing the thresholds for electroporation by sensitizing cells with local cationic anesthetics and substances that decrease the surface negative electric charge. Cellular and Molecular Biology Letters, 2014, 19, 65-76.	7.0	7
1180	A Model of Plasma-Biofilm and Plasma-Tissue Interactions at Ambient Pressure. Plasma Chemistry and Plasma Processing, 2014, 34, 403-441.	2.4	158
1181	Non-mammalian vertebrate embryos as models in nanomedicine. Nanomedicine: Nanotechnology, Biology, and Medicine, 2014, 10, 703-719.	3.3	35
1182	Electrical impedance tomographic imaging of a single cell electroporation. Biomedical Microdevices, 2014, 16, 427-437.	2.8	18
1183	Numerical study of lipid translocation driven by nanoporation due to multiple high-intensity, ultrashort electrical pulses. Biochimica Et Biophysica Acta - Biomembranes, 2014, 1838, 902-909.	2.6	11
1184	A molecular dynamic study of cholesterol rich lipid membranes: comparison of electroporation protocols. Bioelectrochemistry, 2014, 100, 11-17.	4.6	75
1185	Development of anionic bubble lipopolyplexes for efficient and safe gene transfection with ultrasound exposure in mice. Journal of Controlled Release, 2014, 176, 24-34.	9.9	25
1186	Gene therapy and DNA delivery systems. International Journal of Pharmaceutics, 2014, 459, 70-83.	5.2	371
1187	Loading of polymer nanocarriers: Factors, mechanisms and applications. Progress in Polymer Science, 2014, 39, 43-86.	24.7	152
1188	Novel aspects of encapsulation and delivery using polymersomes. Current Opinion in Pharmacology, 2014, 18, 104-111.	3. 5	114
1189	Numerical Modeling of Bi-polar (AC) Pulse Electroporation of Single Cell in Microchannel to Create Nanopores on its Membrane. Journal of Membrane Biology, 2014, 247, 1229-1237.	2.1	5
1190	Unexpected Transcellular Protein Crossover Occurs During Canonical DNA Transfection. Journal of Cellular Biochemistry, 2014, 115, 2047-2054.	2.6	1
1191	Electroporation markedly improves Sleeping Beauty transposon-induced tumorigenesis in mice. Cancer Gene Therapy, 2014, 21, 333-339.	4.6	7
1192	Physical Methods for Intracellular Delivery: Practical Aspects from Laboratory Use to Industrial-Scale Processing. Journal of the Association for Laboratory Automation, 2014, 19, 1-18.	2.8	88
1193	Comparison of Flow Cytometry, Fluorescence Microscopy and Spectrofluorometry for Analysis of Gene Electrotransfer Efficiency. Journal of Membrane Biology, 2014, 247, 1259-1267.	2.1	24
1194	Electroporation-delivered fluorescent protein biosensors for probing molecular activities in cells without genetic encoding. Chemical Communications, 2014, 50, 11536-11539.	4.1	17
1195	Characterization of organic fluorophores forin vivoFRET studies based on electroporated molecules. Physical Chemistry Chemical Physics, 2014, 16, 12688-12694.	2.8	24

#	Article	IF	CITATIONS
1196	Highly efficient and minimally invasive transfection using time-controlled irradiation of atmospheric-pressure plasma. Applied Physics Express, 2014, 7, 026202.	2.4	50
1197	Micro―and Nanotechnologies for Intracellular Delivery. Small, 2014, 10, 4487-4504.	10.0	70
1198	Signal Molecule-Calcium Phosphate Composites: Novel Approaches to Controlling Cellular and/or Biological Reactions and Functions. Springer Series in Biomaterials Science and Engineering, 2014, , 171-197.	1.0	0
1199	Electroporation-Based Technologies for Medicine: Principles, Applications, and Challenges. Annual Review of Biomedical Engineering, 2014, 16, 295-320.	12.3	655
1200	Bubble Liposomes and Ultrasound Exposure Improve Localized Morpholino Oligomer Delivery into the Skeletal Muscles of Dystrophic <i>mdx</i> Mice. Molecular Pharmaceutics, 2014, 11, 1053-1061.	4.6	31
1201	Murine Norovirus: Propagation, Quantification, and Genetic Manipulation. Current Protocols in Microbiology, 2014, 33, 15k.2.1-61.	6.5	75
1202	Recent advances in live cell imaging of hepatoma cells. BMC Cell Biology, 2014, 15, 26.	3.0	11
1203	Irreversible electroporation of unresectable soft tissue tumors with vascular invasion: effective palliation. BMC Cancer, 2014, 14, 540.	2.6	51
1204	mRNA-based therapeutics â€" developing a new class of drugs. Nature Reviews Drug Discovery, 2014, 13, 759-780.	46.4	1,501
1205	Optimized delivery of fluorescently labeled proteins in live bacteria using electroporation. Histochemistry and Cell Biology, 2014, 142, 113-124.	1.7	24
1206	A new spiral microelectrode assembly for electroporation and impedance measurements of adherent cell monolayers. Biomedical Microdevices, 2014, 16, 575-590.	2.8	12
1207	Electroporation of Chlorella vulgaris to enhance biomethane production. Bioresource Technology, 2014, 169, 778-783.	9.6	17
1208	A comprehensive overview of exosomes as drug delivery vehicles â€" Endogenous nanocarriers for targeted cancer therapy. Biochimica Et Biophysica Acta: Reviews on Cancer, 2014, 1846, 75-87.	7.4	430
1209	Scaling Relationship and Optimization of Double-Pulse Electroporation. Biophysical Journal, 2014, 106, 801-812.	0.5	31
1210	Thermal Gating in Lipid Membranes Using Thermoresponsive Cyclic Peptide–Polymer Conjugates. Journal of the American Chemical Society, 2014, 136, 8018-8026.	13.7	85
1211	Shock waves associated with electric pulses affect cell electro-permeabilization. Bioelectrochemistry, 2014, 100, 36-43.	4.6	12
1212	Predicting electroporation of cells in an inhomogeneous electric field based on mathematical modeling and experimental CHO-cell permeabilization to propidium iodide determination. Bioelectrochemistry, 2014, 100, 52-61.	4.6	20
1213	Tissue damage modeling in gene electrotransfer: The role of pH. Bioelectrochemistry, 2014, 100, 105-111.	4.6	38

#	Article	IF	CITATIONS
1214	Topical delivery of siRNA into skin using SPACE-peptide carriers. Journal of Controlled Release, 2014, 179, 33-41.	9.9	91
1215	Three-dimensional analysis of irreversible electroporation: Estimation of thermal and non-thermal damage. International Journal of Heat and Mass Transfer, 2014, 72, 66-74.	4.8	17
1216	Evaluation of Resistance as a Measure of Successful Tumor Ablation During Irreversible Electroporation of the Pancreas. Journal of the American College of Surgeons, 2014, 218, 179-187.	0.5	106
1217	Safe and efficient local gene delivery into skeletal muscle via a combination of Pluronic L64 and modified electrotransfer. Gene Therapy, 2014, 21, 558-565.	4.5	11
1218	Detecting Subtle Plasma Membrane Perturbation in Living Cells Using Second Harmonic Generation Imaging. Biophysical Journal, 2014, 106, L37-L40.	0.5	24
1219	Electroporation of Adherent Cells by Direct Lamination of Hydrogel-based Microelectrode Substrates. Chemistry Letters, 2014, 43, 444-446.	1.3	4
1220	Theoretical analysis of AC electric field transmission into biological tissue through frozen saline for electroporation. Bioelectromagnetics, 2014, 35, 607-613.	1.6	2
1221	A Si-chip-based system for highly parallel electroporation of cells. , 2015, , .		1
1222	Voyage inside the cell: Microsystems and nanoengineering for intracellular measurement and manipulation. Microsystems and Nanoengineering, 2015, 1 , .	7.0	66
1223	Tissue heterogeneity in structure and conductivity contribute to cell survival during irreversible electroporation ablation by "electric field sinks― Scientific Reports, 2015, 5, 8485.	3.3	93
1224	Novel mechanism of gene transfection by low-energy shock wave. Scientific Reports, 2015, 5, 12843.	3.3	11
1225	New Insights into the Mechanisms of Gene Electrotransfer – Experimental and Theoretical Analysis. Scientific Reports, 2015, 5, 9132.	3.3	41
1226	Internalization and Observation of Fluorescent Biomolecules in Living Microorganisms via Electroporation. Journal of Visualized Experiments, 2015, , .	0.3	10
1227	siRNA delivery into cultured primary human myoblasts – optimization of electroporation parameters and theoretical analysis. Bioelectromagnetics, 2015, 36, 551-563.	1.6	15
1228	The dependence of efficiency of transmembrane molecular transfer using electroporation on medium viscosity. Journal of Gene Medicine, 2015, 17, 80-86.	2.8	6
1229	Effects of electrophotodynamic therapy in vitro on human melanoma cells – melanotic (MeWo) and amelanotic (C32). Melanoma Research, 2015, 25, 210-224.	1.2	9
1230	Transdermal Drug Delivery: Innovative Pharmaceutical Developments Based on Disruption of the Barrier Properties of the Stratum Corneum. Pharmaceutics, 2015, 7, 438-470.	4.5	642
1231	Extra vascular interventional treatment of liver cancer, present and future. Drug Discoveries and Therapeutics, 2015, 9, 335-341.	1.5	8

#	Article	IF	CITATIONS
1232	Improvement of cell membrane permeability using a cell-solution electrode for generating atmospheric-pressure plasma. Biointerphases, 2015, 10, 029521.	1.6	50
1234	Impact of terminology on consumer acceptance of emerging technologies through the example of PEF technology. Innovative Food Science and Emerging Technologies, 2015, 29, 87-93.	5.6	45
1235	Nanoparticles-Based Delivery Systems in Plant Genetic Transformation. , 2015, , 209-239.		7
1236	Localized, non-viral delivery of nucleic acids: Opportunities, challenges and current strategies. Asian Journal of Pharmaceutical Sciences, 2015, 10, 159-175.	9.1	18
1237	Recent insights into cutaneous immunization: How to vaccinate via the skin. Vaccine, 2015, 33, 4663-4674.	3.8	78
1238	A solid state high voltage-pulsed electric field generator for application in food processing. , 2015, , .		1
1239	Electrotransfection and Lipofection Show Comparable Efficiency for In Vitro Gene Delivery of Primary Human Myoblasts. Journal of Membrane Biology, 2015, 248, 273-283.	2.1	12
1240	Instant Live-Cell Super-Resolution Imaging of Cellular Structures by Nanoinjection of Fluorescent Probes. Nano Letters, 2015, 15, 1374-1381.	9.1	55
1241	Gene Electrotransfer Clinical Trials. Advances in Genetics, 2015, 89, 235-262.	1.8	111
1242	Transgenic Technology in Marine Organisms. , 2015, , 387-412.		7
1243	Physical Methods for Gene Transfer. Advances in Genetics, 2015, 89, 1-24.	1.8	32
1244	Electroporation-enhanced delivery of nucleic acid vaccines. Expert Review of Vaccines, 2015, 14, 195-204.	4.4	53
1245	Optically transparent polymer devices for in situ assessment of cell electroporation. European Biophysics Journal, 2015, 44, 57-67.	2.2	2
1246	Electroporation-Mediated Gene Delivery. Advances in Genetics, 2015, 89, 49-88.	1.8	117
1247	Modulating electrolytic tissue ablation with reversible electroporation pulses. Technology, 2015, 03, 45-53.	1.4	29
1248	Nanomaterial-assisted light-induced poration and transfection of mammalian cells., 2015,, 331-376.		6
1249	Transport, resealing, and re-poration dynamics of two-pulse electroporation-mediated molecular delivery. Biochimica Et Biophysica Acta - Biomembranes, 2015, 1848, 1706-1714.	2.6	47
1250	Development of a calibration function for optimal transformation efficiencies of Escherichia coli C600 and Bacillus subtilis 168. Journal of Electroanalytical Chemistry, 2015, 752, 41-46.	3.8	1

#	Article	IF	CITATIONS
1251	Line tension of multicomponent bilayer membranes. Physical Review E, 2015, 91, 022713.	2.1	11
1252	Inhibitor of endocytosis impairs gene electrotransfer to mouse muscle in vivo. Bioelectrochemistry, 2015, 103, 111-119.	4.6	26
1253	Picosecond and Terahertz Perturbation of Interfacial Water and Electropermeabilization of Biological Membranes. Journal of Membrane Biology, 2015, 248, 837-847.	2.1	39
1254	Irreversible Electroporation (IRE) Fails to Demonstrate Efficacy in a Prospective Multicenter Phase II Trial on Lung Malignancies: The ALICE Trial. CardioVascular and Interventional Radiology, 2015, 38, 401-408.	2.0	70
1255	Nucleic Acid Therapeutics Using Polyplexes: A Journey of 50 Years (and Beyond). Chemical Reviews, 2015, 115, 11043-11078.	47.7	495
1256	A hybrid living/organic electrochemical transistor based on the Physarum polycephalum cell endowed with both sensing and memristive properties. Chemical Science, 2015, 6, 2859-2868.	7.4	61
1257	Feasibility and safety of electrochemotherapy (ECT) in the pancreas: a pre-clinical investigation. Radiology and Oncology, 2015, 49, 147-154.	1.7	50
1258	Mechanisms of transfer of bioactive molecules through the cell membrane by electroporation. European Biophysics Journal, 2015, 44, 277-289.	2.2	52
1259	Electroporation for therapeutic DNA vaccination in patients. Medical Microbiology and Immunology, 2015, 204, 131-135.	4.8	25
1260	Modeling electroporation of the non-treated and vacuum impregnated heterogeneous tissue of spinach leaves. Innovative Food Science and Emerging Technologies, 2015, 29, 55-64.	5.6	23
1261	Efficient In Vitro Electropermeabilization of Reconstructed Human Dermal Tissue. Journal of Membrane Biology, 2015, 248, 903-908.	2.1	21
1262	A Nonlinear Size-Dependent Equivalent Circuit Model for Single-Cell Electroporation on Microfluidic Chips. Journal of the Association for Laboratory Automation, 2015, 20, 481-490.	2.8	11
1263	Real-time sensing of epithelial cell-cell and cell-substrate interactions by impedance spectroscopy on porous substrates. Journal of Applied Physics, 2015, 118, 044701.	2.5	8
1264	Different Cell Viability Assays Reveal Inconsistent Results After Bleomycin Electrotransfer In Vitro. Journal of Membrane Biology, 2015, 248, 857-863.	2.1	39
1265	Exogenous DNA Loading into Extracellular Vesicles via Electroporation is Size-Dependent and Enables Limited Gene Delivery. Molecular Pharmaceutics, 2015, 12, 3650-3657.	4.6	282
1266	Electrical breakdown in tissue electroporation. Biochemical and Biophysical Research Communications, 2015, 467, 736-741.	2.1	40
1267	Electric Destabilization of Supramolecular Lipid Vesicles Subjected to Fast Electric Pulses. Langmuir, 2015, 31, 12215-12222.	3.5	18
1268	Simulation and mathematical analyses of AC electric field driven apoptosis via microtubule disintegration. Japanese Journal of Applied Physics, 2015, 54, 097301.	1.5	2

#	Article	IF	Citations
1269	Protein Extraction by Means of Electroporation from E. coli with Preserved Viability. Journal of Membrane Biology, 2015, 248, 893-901.	2.1	31
1270	Electroporation Knows No Boundaries: The Use of Electrostimulation for siRNA Delivery in Cells and Tissues. Journal of Biomolecular Screening, 2015, 20, 932-942.	2.6	38
1271	Theoretical Analyses of Cellular Transmembrane Voltage in Suspensions Induced by High-frequency Fields. Bioelectrochemistry, 2015, 102, 64-72.	4.6	7
1272	Targeted electro-delivery of oligonucleotides for RNA interference: siRNA and antimiR. Advanced Drug Delivery Reviews, 2015, 81, 161-168.	13.7	25
1273	Loss of FliL Alters Proteus mirabilis Surface Sensing and Temperature-Dependent Swarming. Journal of Bacteriology, 2015, 197, 159-173.	2.2	35
1274	Comparison of plasmid DNA versus PCR amplified gene of insert DNA for nucleofection in Kasumi-1 cells. Cytotechnology, 2015, 67, 275-283.	1.6	5
1275	Rationale and Methodology of Reprogramming for Generation of Induced Pluripotent Stem Cells and Induced Neural Progenitor Cells. International Journal of Molecular Sciences, 2016, 17, 594.	4.1	6
1276	Electromechanics of polarized lipid bilayers. Mathematics and Mechanics of Complex Systems, 2016, 4, 31-54.	0.9	16
1277	Gene Electrotransfer: A Mechanistic Perspective. Current Gene Therapy, 2016, 16, 98-129.	2.0	168
1278	Irreversible electroporation: state of the art. OncoTargets and Therapy, 2016, 9, 2437.	2.0	93
1279	RNA Interference – A Powerful Functional Analysis Tool for Studying Tick Biology and its Control. , 0,		6
1280	Glycolysis inhibition as a cancer treatment and its role in an anti-tumour immune response. Biochimica Et Biophysica Acta: Reviews on Cancer, 2016, 1866, 87-105.	7.4	96
1281	Bystander Effect Induced by Electroporation is Possibly Mediated by Microvesicles and Dependent on Pulse Amplitude, Repetition Frequency and Cell Type. Journal of Membrane Biology, 2016, 249, 703-711.	2.1	9
1282	Quantification of cell membrane permeability induced by monopolar and high-frequency bipolar bursts of electrical pulses. Biochimica Et Biophysica Acta - Biomembranes, 2016, 1858, 2689-2698.	2.6	81
1283	Viral and Synthetic RNA Vector Technologies and Applications. Molecular Therapy, 2016, 24, 1513-1527.	8.2	62
1284	Temporal Airy pulses control cell poration. APL Photonics, 2016, 1, 046102.	5.7	12
1285	Localized electroporation effect on adherent cells in modified electric cell–substrate impedance sensing circuits. Applied Physics Express, 2016, 9, 107001.	2.4	1
1286	Tutorial: Electroporation of cells in complex materials and tissue. Journal of Applied Physics, 2016, 119, .	2.5	145

#	Article	IF	CITATIONS
1287	Size Specific Transfection to Mammalian Cells by Micropillar Array Electroporation. Scientific Reports, 2016, 6, 38661.	3.3	23
1288	Microfluidic Screening of Electric Fields for Electroporation. Scientific Reports, 2016, 6, 21238.	3.3	64
1289	Probing Lipid Bilayers under Ionic Imbalance. Biophysical Journal, 2016, 111, 2460-2469.	0.5	7
1290	Micro/Nano Biosensors for Living Cell and Molecule Analysis. , 2016, , 19-44.		0
1291	A Simplified Direct Lipid Mixing Lipoplex Preparation: Comparison of Liposomal-, Dimethylsulfoxide-, and Ethanol-Based Methods. Scientific Reports, 2016, 6, 27662.	3.3	31
1292	Genetic Engineering Approaches for Algae. , 2016, , 15-40.		0
1293	The promising alliance of anti-cancer electrochemotherapy with immunotherapy. Cancer and Metastasis Reviews, 2016, 35, 165-177.	5.9	98
1294	High dynamic ablation and injection by electric cavitation for wide range of materials. , 2016, , .		0
1295	Charge dependent electroporation of Escherichia coli C600. Journal of Electroanalytical Chemistry, 2016, 767, 108-113.	3.8	3
1296	Tissue Ablation by a Synergistic Combination of Electroporation and Electrolysis Delivered by a Single Pulse. Annals of Biomedical Engineering, 2016, 44, 3144-3154.	2.5	23
1297	Comparison between direct and reverse electroporation of cells inÂsitu: a simulation study. Physiological Reports, 2016, 4, e12673.	1.7	7
1298	Comparison of two endogenous delivery agents in cancer therapy: Exosomes and ferritin. Pharmacological Research, 2016, 110, 1-9.	7.1	28
1299	Overcoming the Specific Toxicity of Large Plasmids Electrotransfer in Primary Cells In Vitro. Molecular Therapy - Nucleic Acids, 2016, 5, e291.	5.1	74
1300	Rapid nuclear import of short nucleic acids. Bioorganic and Medicinal Chemistry Letters, 2016, 26, 4568-4570.	2.2	1
1301	Effect of guard cells electroporation on drying kinetics and aroma compounds of Genovese basil () Tj ETQq0 0 0 r	gBT/Overl	၀ <u>၄</u> ႘ 10 Tf 50
1302	Post-pulse addition of trans-cyclohexane-1,2-diol improves electrotransfer mediated gene expression in mammalian cells. Biochemistry and Biophysics Reports, 2016, 7, 287-294.	1.3	4
1303	Fundamental study on a gene transfection methodology for mammalian cells using water-in-oil droplet deformation in a DC electric field. Biochemistry and Biophysics Reports, 2016, 8, 81-88.	1.3	4
1304	Guanidiniocarbonyl pyrrole (GCP) conjugated PAMAM-G2, a highly efficient vector for gene delivery: the importance of DNA condensation. Chemical Communications, 2016, 52, 12446-12449.	4.1	15

#	Article	IF	CITATIONS
1305	Nucleic Acid Electrotransfer in Mammalian Cells: Mechanistic Description. , 2016, , 1-14.		0
1306	Gene Delivery by Electroporation In Vitro: Mechanisms. , 2016, , 1-16.		3
1307	In vitro and ex vivo strategies for intracellular delivery. Nature, 2016, 538, 183-192.	27.8	662
1308	Micro-/nanoscale electroporation. Lab on A Chip, 2016, 16, 4047-4062.	6.0	90
1309	Chitosan: Gene Delivery., 0,, 1735-1749.		1
1310	Efficient transformation of Staphylococcus aureus using multi-pulse electroporation. Journal of Microbiological Methods, 2016, 130, 69-72.	1.6	6
1311	Quantifying pulsed electric field-induced membrane nanoporation in single cells. Biochimica Et Biophysica Acta - Biomembranes, 2016, 1858, 2795-2803.	2.6	16
1312	Electroporation-mediated delivery of the FER gene in the resolution of trauma-related fatal pneumonia. Gene Therapy, 2016, 23, 785-796.	4.5	12
1313	Photoswitching Fluorophores in Super-Resolution Fluorescence Microscopy. Series in Cellular and Clinical Imaging, 2016, , 49-64.	0.2	0
1314	From single molecules to life: microscopy at the nanoscale. Analytical and Bioanalytical Chemistry, 2016, 408, 6885-6911.	3.7	94
1315	Improvement in Electrotransfection of Cells Using Carbon-Based Electrodes. Cellular and Molecular Bioengineering, 2016, 9, 538-545.	2.1	12
1316	Characterization of plasma-induced cell membrane permeabilization: focus on OH radical distribution. Journal Physics D: Applied Physics, 2016, 49, 334002.	2.8	45
1317	Dynamic finite-element model for efficient modelling of electric currents in electroporated tissue. Scientific Reports, 2016, 6, 26409.	3.3	55
1318	Glomeruli or interstitium targeted by inter-renal injections supplemented by electroporation: Still a useful tool in renal research. Journal of Gene Medicine, 2016, 18, 343-352.	2.8	2
1319	Roles of charged particles and reactive species on cell membrane permeabilization induced by atmospheric-pressure plasma irradiation. Japanese Journal of Applied Physics, 2016, 55, 07LG04.	1.5	11
1320	Effects of molecular size and chemical factor on plasma gene transfection. Japanese Journal of Applied Physics, 2016, 55, 07LG06.	1.5	10
1321	Improvement of efficiency and viability in plasma gene transfection by plasma minimization and optimization electrode configuration. Japanese Journal of Applied Physics, 2016, 55, 07LG09.	1.5	10
1322	Time-Lapse Video Microscopy for Assessment of EYFP-Parkin Aggregation as a Marker for Cellular Mitophagy. Journal of Visualized Experiments, 2016, , .	0.3	2

#	Article	IF	CITATIONS
1323	Mechanical oscillations enhance gene delivery into suspended cells. Scientific Reports, 2016, 6, 22824.	3.3	10
1324	Single-step electrical field strength screening to determine electroporation induced transmembrane transport parameters. Biochimica Et Biophysica Acta - Biomembranes, 2016, 1858, 2041-2049.	2.6	10
1325	Micro- and Nanoscale Technologies for Delivery into Adherent Cells. Trends in Biotechnology, 2016, 34, 665-678.	9.3	44
1326	Nanowire-Modified Three-Dimensional Electrode Enabling Low-Voltage Electroporation for Water Disinfection. Environmental Science & Environmental Scien	10.0	95
1327	Acid-labile pHPMA modification of four-arm oligoaminoamide pDNA polyplexes balances shielding and gene transfer activity in vitro and in vivo. European Journal of Pharmaceutics and Biopharmaceutics, 2016, 105, 85-96.	4.3	16
1328	Electroporation for Single-Cell Analysis. Series in Bioengineering, 2016, , 55-83.	0.6	8
1329	Physarum in Hybrid Electronic Devices. Emergence, Complexity and Computation, 2016, , 91-107.	0.3	2
1330	Mapping of bionic array electric field focusing in plasmid DNA-based gene electrotransfer. Gene Therapy, 2016, 23, 369-379.	4.5	11
1331	Permeability of Membranes. , 2016, , 73-127.		0
1332	Progress toward isolation of strains and genetically engineered strains of microalgae for production of biofuel and other value added chemicals: A review. Energy Conversion and Management, 2016, 113, 104-118.	9.2	140
1333	Dielectric passivation layer as a substratum on localized single-cell electroporation. RSC Advances, 2016, 6, 10979-10986.	3.6	24
1334	Combining the single-walled carbon nanotubes with low voltage electrical stimulation to improve accumulation of nanomedicines in tumor for effective cancer therapy. Journal of Controlled Release, 2016, 225, 140-151.	9.9	18
1335	A Versatile Multilevel Converter Platform for Cancer Treatment Using Irreversible Electroporation. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2016, 4, 236-242.	5.4	32
1336	Passive and electro-assisted delivery of hydrogel nanoparticles in solid tumors, visualized by optical and magnetic resonance imaging in vivo. Analytical and Bioanalytical Chemistry, 2016, 408, 905-914.	3.7	13
1337	Recommendations for improving the quality of reporting clinical electrochemotherapy studies based on qualitative systematic review. Radiology and Oncology, 2016, 50, 1-13.	1.7	101
1338	How transient alterations of organelles in mammalian cells submitted to electric field may explain some aspects of gene electrotransfer process. Bioelectrochemistry, 2016, 112, 166-172.	4.6	7
1339	Membrane pore formation in atomistic and coarse-grained simulations. Biochimica Et Biophysica Acta - Biomembranes, 2016, 1858, 2266-2277.	2.6	64
1341	Gene transfer by pulsed electric field is highly promising in cutaneous wound healing. Expert Opinion on Biological Therapy, 2016, 16, 67-77.	3.1	16

#	Article	IF	CITATIONS
1342	Electrolytic Effects During Tissue Ablation by Electroporation. Technology in Cancer Research and Treatment, 2016, 15, NP95-NP103.	1.9	56
1343	Induction of apoptosis of liver cancer cells by nanosecond pulsed electric fields (nsPEFs). Medical Oncology, 2017, 34, 24.	2.5	35
1344	High efficiency hydrodynamic bacterial electrotransformation. Lab on A Chip, 2017, 17, 490-500.	6.0	25
1345	Folate-Engineered Microvesicles for Enhanced Target and Synergistic Therapy toward Breast Cancer. ACS Applied Materials & English & Engl	8.0	48
1346	Impedance spectroscopy as an indicator for successful in vivo electric field mediated gene delivery in a murine model. Bioelectrochemistry, 2017, 115, 33-40.	4.6	4
1347	Survival rate of eukaryotic cells following electrophoretic nanoinjection. Scientific Reports, 2017, 7, 41277.	3.3	27
1348	Functional nucleic acids as in vivo metabolite and ion biosensors. Biosensors and Bioelectronics, 2017, 94, 94-106.	10.1	27
1349	High-throughput nuclear delivery and rapid expression of DNA via mechanical and electrical cell-membrane disruption. Nature Biomedical Engineering, 2017, 1, .	22.5	158
1350	Enhanced Penetration of Human Placental Tissue by SiO\$_{2}\$ Nanoparticles as a Result of Microneedle and Electroporation Treatments. IEEE Photonics Journal, 2017, 9, 1-10.	2.0	1
1351	Effect of Thermal Gradients Created by Electromagnetic Fields on Cell-Membrane Electroporation Probed by Molecular-Dynamics Simulations. Physical Review Applied, 2017, 7, .	3.8	16
1352	Targeted si-RNA with liposomes and exosomes (extracellular vesicles): How to unlock the potential. International Journal of Pharmaceutics, 2017, 525, 293-312.	5.2	35
1353	Automated electrotransformation of <i>Escherichia coli</i> on a digital microfluidic platform using bioactivated magnetic beads. Biomicrofluidics, 2017, 11, 014110.	2.4	17
1354	The controversial role of electrochemotherapy in head and neck cancer: a systematic review of the literature. European Archives of Oto-Rhino-Laryngology, 2017, 274, 2389-2394.	1.6	11
1355	Enrichment of selective miRNAs in exosomes and delivery of exosomal miRNAs in vitro and in vivo. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2017, 312, L110-L121.	2.9	219
1356	Hypersonic Poration: A New Versatile Cell Poration Method to Enhance Cellular Uptake Using a Piezoelectric Nanoâ€Electromechanical Device. Small, 2017, 13, 1602962.	10.0	53
1357	Evaluation of Tumor Treatment of Magnetic Nanoparticles Driven by Extremely Low Frequency Magnetic Field. Scientific Reports, 2017, 7, 46287.	3.3	18
1358	Avoiding the side effects of electric current pulse application to electroporated cells in disposable small volume cuvettes assures good cell survival. Cellular and Molecular Biology Letters, 2017, 22, 1.	7.0	18
1359	Theoretical Study of Molecular Transport Through a Permeabilized Cell Membrane in a Microchannel. Journal of Membrane Biology, 2017, 250, 285-299.	2.1	3

#	Article	IF	CITATIONS
1360	Gene therapy for patients with advanced solid tumors: a phase I study using gene electrotransfer to muscle with the integrin inhibitor plasmid AMEP. Acta Oncol \tilde{A}^3 gica, 2017, 56, 909-916.	1.8	11
1361	Synergistic effect of electrical and chemical factors on endocytosis in micro-discharge plasma gene transfection. Plasma Sources Science and Technology, 2017, 26, 065016.	3.1	19
1362	Transfection by Electroporation. Current Protocols in Immunology, 2017, 117, 10.15.1-10.15.9.	3.6	10
1363	Probing a Continuous Polar Defect: A Reaction Coordinate for Pore Formation in Lipid Membranes. Journal of Chemical Theory and Computation, 2017, 13, 2352-2366.	5.3	44
1365	Drug and Gene Delivery Materials andÂDevices. , 2017, , 375-392.		1
1366	Novel Uses and Potential Applications. Shock Wave and High Pressure Phenomena, 2017, , 251-301.	0.1	1
1367	Microfluidic Platform for Parallel Single Cell Analysis for Diagnostic Applications. Methods in Molecular Biology, 2017, 1547, 187-209.	0.9	0
1368	InÂVitro Cellular Gene Delivery Employing a Novel Composite Material of Single-Walled Carbon Nanotubes Associated With Designed Peptides With Pegylation. Journal of Pharmaceutical Sciences, 2017, 106, 792-802.	3.3	5
1369	Melanoma treatment with intratumoral electroporation of tavokinogene telseplasmid (pIL-12,) Tj ETQq0 0 0 rgBT	/Qverlock	10 Tf 50 422
1370	Functionalization of microparticles with mineral coatings enhances non-viral transfection of primary human cells. Scientific Reports, 2017, 7, 14211.	3.3	19
1371	<i>In vitro</i> and in <i>vivo</i> evaluation of electrochemotherapy with <i>trans</i> -platinum analogue trans-[PtCl ₂ (3-Hmpy) ₂]. Radiology and Oncology, 2017, 51, 295-306.	1.7	9
1372	Acid or erythromycin stress significantly improves transformation efficiency through regulating expression of DNA binding proteins in Lactococcus lactis F44. Journal of Dairy Science, 2017, 100, 9532-9538.	3.4	1
1373	Electropermeabilization of Inner and Outer Cell Membranes with Microsecond Pulsed Electric Fields: Quantitative Study with Calcium Ions. Scientific Reports, 2017, 7, 13079.	3.3	52
1374	Drug Delivery Strategies for Platinum-Based Chemotherapy. ACS Nano, 2017, 11, 8560-8578.	14.6	172
1375	Nucleic Acid Electrotransfer in Mammalian Cells: Mechanistic Description., 2017,, 323-336.		1
1376			
	Gene Delivery by Electroporation In Vitro: Mechanisms. , 2017, , 387-401.		1
1377	Gene Delivery by Electroporation In Vitro: Mechanisms. , 2017, , 387-401. Lipid Electropore Lifetime in Molecular Models. , 2017, , 113-131.		1

#	Article	IF	CITATIONS
1379	pH fronts and tissue natural buffer interaction in gene electrotransfer protocols. Electrochimica Acta, 2017, 255, 463-471.	5.2	10
1380	Nonintegrating Gene Therapy Vectors. Hematology/Oncology Clinics of North America, 2017, 31, 753-770.	2.2	83
1381	Tools for translation: non-viral materials for therapeutic mRNA delivery. Nature Reviews Materials, 2017, 2, .	48.7	504
1382	Predicting irreversible electroporation-induced tissue damage by means of magnetic resonance electrical impedance tomography. Scientific Reports, 2017, 7, 10323.	3.3	24
1383	Inside Job: Methods for Delivering Proteins to the Interior of Mammalian Cells. Cell Chemical Biology, 2017, 24, 924-934.	5.2	38
1384	A Hydrogel/Carbonâ€Nanotube Needleâ€Free Device for Electrostimulated Skin Drug Delivery. ChemPhysChem, 2017, 18, 2715-2723.	2.1	21
1385	Biomaterials for polynucleotide delivery to anchorage-independent cells. Journal of Materials Chemistry B, 2017, 5, 7238-7261.	5.8	18
1386	Toward establishing model organisms for marine protists: Successful transfection protocols for Parabodo caudatus (Kinetoplastida: Excavata). Environmental Microbiology, 2017, 19, 3487-3499.	3.8	11
1387	Irreversible electroporation-mediated shRNA knockdown of the HPV18 E6 gene suppresses cervical cancer growth in vitro and in vivo. Oncology Letters, 2017, 14, 1943-1949.	1.8	2
1388	Engineering of Conditional Class I Hdac Knockout Mice and Generation of a Time-Spatial Knockout by a Dual Recombination System. Methods in Molecular Biology, 2017, 1510, 193-209.	0.9	1
1389	Biological Responses. , 2017, , 155-274.		3
1390	Electrical Manipulation and SortingÂof Cells. Microsystems and Nanosystems, 2017, , 57-92.	0.1	4
1391	Medical Applications. , 2017, , 275-388.		2
1392	A statistical analytical model for hydrophilic electropore characterization: a comparison study. RSC Advances, 2017, 7, 31997-32007.	3.6	4
1393	Nuclear Transformation and Toolbox Development. Microbiology Monographs, 2017, , 27-58.	0.6	0
1394	Development of contact irreversible electroporation using a comb-shaped miniature electrode. Journal of Thermal Science and Technology, 2017, 12, JTST0023-JTST0023.	1.1	5
1395	Study of anti-cancer mechanism: Neolamarckia cadamba leaves exposed with electric field on HeLa cell. , 2017, , .		0
1396	Effects of Electromagnetic Waves Emitted from 3G+Wi-Fi Modems on Human Semen Analysis. Urologia, 2017, 84, 209-214.	0.7	13

#	Article	IF	CITATIONS
1397	Electrophoretic Concentration and Electrical Lysis of Bacteria in a Microfluidic Device Using a Nanoporous Membrane. Micromachines, 2017, 8, 45.	2.9	20
1398	Uncertainty Quantification in Irreversible Electroporation Simulations. Bioengineering, 2017, 4, 41.	3 . 5	5
1399	Computing Spatiotemporal Heat Maps of Lipid Electropore Formation: A Statistical Approach. Frontiers in Molecular Biosciences, 2017, 4, 22.	3.5	2
1400	Gas-liquid interfacial plasmas producing reactive species for cell membrane permeabilization. Journal of Clinical Biochemistry and Nutrition, 2017, 60, 3-11.	1.4	40
1401	Trends in the Binding of Cell Penetrating Peptides to siRNA: A Molecular Docking Study. Journal of Biophysics, 2017, 2017, 1-12.	0.8	21
1402	A novel method of gene transduction to the murine endometrium using <i>in vivo</i> electroporation. Journal of Veterinary Medical Science, 2017, 79, 1573-1577.	0.9	3
1403	Irreversible Electroporation Ablation of Liver Metastases Adjacent to the Heart Induces Ventricular Tachycardia: A Case Report. Journal of Hepatology and Gastrointestinal Disorders, 2017, 03, .	0.0	0
1404	Increased permeability of blood vessels after reversible electroporation is facilitated by alterations in endothelial cell-to-cell junctions. Journal of Controlled Release, 2018, 276, 30-41.	9.9	41
1405	Microinjection of CRISPR/Cas9 Protein into Channel Catfish, lctalurus punctatus , Embryos for Gene Editing. Journal of Visualized Experiments, 2018, , .	0.3	20
1406	Generation of Venus fluorochrome expressing transgenic handmade cloned buffalo embryos using Sleeping Beauty transposon. Tissue and Cell, 2018, 51, 49-55.	2.2	10
1407	Enhanced intracellular delivery via coordinated acoustically driven shear mechanoporation and electrophoretic insertion. Scientific Reports, 2018, 8, 3727.	3.3	32
1408	The influence of smartphones' operation modes on the superficial temperature distribution in the human auricle region. Journal of Thermal Analysis and Calorimetry, 2018, 133, 559-569.	3.6	13
1409	A New Micro-holder Device for Local Drug Delivery during In Vivo Whole-cell Recordings. Neuroscience, 2018, 381, 115-123.	2.3	8
1410	Methods for the genetic manipulation of marine bacteria. Electronic Journal of Biotechnology, 2018, 33, 17-28.	2.2	21
1411	Development of a bio-electrospray system for cell and non-viral gene delivery. RSC Advances, 2018, 8, 6452-6459.	3.6	12
1412	Characterization of Nonlinearity and Dispersion in Tissue Impedance During High-Frequency Electroporation. IEEE Transactions on Biomedical Engineering, 2018, 65, 2190-2201.	4.2	30
1413	The functional genomics laboratory: functional validation of genetic variants. Journal of Inherited Metabolic Disease, 2018, 41, 297-307.	3.6	48
1414	Core-shell magnetoelectric nanorobot – A remotely controlled probe for targeted cell manipulation. Scientific Reports, 2018, 8, 1755.	3.3	43

#	Article	IF	CITATIONS
1415	Transfection by Electroporation. Current Protocols in Molecular Biology, 2018, 121, 9.3.1-9.3.13.	2.9	50
1416	Simultaneous electroporation and dielectrophoresis in non-electrolytic micro/nano-electroporation. Scientific Reports, 2018, 8, 2481.	3.3	21
1417	History of Electroporation. , 2018, , 13-37.		7
1418	Thermal Effects of Irreversible Electroporation. , 2018, , 121-136.		0
1419	In Vivo Electroporation of Developing Mouse Retina. Methods in Molecular Biology, 2018, 1715, 101-111.	0.9	27
1420	Introduction of Genetic Material in Ralstonia solanacearum Through Natural Transformation and Conjugation. Methods in Molecular Biology, 2018, 1734, 201-207.	0.9	16
1421	In vitro electroporation detection methods – An overview. Bioelectrochemistry, 2018, 120, 166-182.	4.6	130
1422	Microsystems for Singleâ€Cell Analysis. Advanced Biology, 2018, 2, 1700193.	3.0	21
1423	A Low-Backpressure Single-Cell Point Constriction for Cytosolic Delivery Based on Rapid Membrane Deformations. Analytical Chemistry, 2018, 90, 1836-1844.	6.5	14
1424	Shock wave-induced permeabilization of mammalian cells. Physics of Life Reviews, 2018, 26-27, 1-38.	2.8	24
1425	In vivo methods for acute modulation of gene expression in the central nervous system. Progress in Neurobiology, 2018, 168, 69-85.	5.7	19
1426	Interfacing Cells with Vertical Nanoscale Devices: Applications and Characterization. Annual Review of Analytical Chemistry, 2018, 11, 101-126.	5.4	66
1427	Transfection of bone marrow derived cells with immunoregulatory proteins. Cytokine, 2018, 108, 82-88.	3.2	3
1428	Electroporation in Ascidians: History, Theory and Protocols. Advances in Experimental Medicine and Biology, 2018, 1029, 37-48.	1.6	19
1429	Improving therapeutic efficacy of IL-12 intratumoral gene electrotransfer through novel plasmid design and modified parameters. Gene Therapy, 2018, 25, 93-103.	4.5	25
1430	Metagenomicâ€based impact study of transgenic grapevine rootstock on its associated virome and soil bacteriome. Plant Biotechnology Journal, 2018, 16, 208-220.	8.3	31
1431	A model of lipid rearrangements during pore formation in the DPPC lipid bilayer. Journal of Liposome Research, 2018, 28, 218-225.	3.3	2
1432	Genetic transformation of cell-walled plant and algae cells: delivering DNA through the cell wall. Briefings in Functional Genomics, 2018, 17, 26-33.	2.7	28

#	Article	IF	CITATIONS
1433	Numerical study of the effect of soft layer properties on bacterial electroporation. Bioelectrochemistry, 2018, 123, 261-272.	4.6	12
1434	Cold Atmospheric Plasma Parameters Investigation for Efficient Drug Delivery in HeLa Cells. IEEE Transactions on Radiation and Plasma Medical Sciences, 2018, 2, 109-115.	3.7	47
1435	Methods of reactivation and reprogramming of neural stem cells for neural repair. Methods, 2018, 133, 3-20.	3.8	12
1436	Direct plasma stimuli including electrostimulation and OH radical induce transient increase in intracellular Ca ²⁺ and uptake of a middleâ€size membraneâ€impermeable molecule. Plasma Processes and Polymers, 2018, 15, 1700077.	3.0	20
1437	Multiple events of gene manipulation via in pouch electroporation in a marsupial model of mammalian forebrain development. Journal of Neuroscience Methods, 2018, 293, 45-52.	2.5	14
1438	Overcoming ocular drug delivery barriers through the use of physical forces. Advanced Drug Delivery Reviews, 2018, 126, 96-112.	13.7	140
1439	Deliverable transgenics & gene therapy possibilities for the testes. Molecular and Cellular Endocrinology, 2018, 468, 81-94.	3.2	1
1440	The effects of electroporation on skin impedance. Biomedical Physics and Engineering Express, 2018, 4, 025012.	1.2	0
1441	A Review on Electroporation-Based Intracellular Delivery. Molecules, 2018, 23, 3044.	3.8	170
1442	Towards High Throughput Electroporation of Zebrafish Folicles. , 2018, , .		O
1443	Double electroporation in two adjacent tissues in chicken embryos. Developmental Dynamics, 2018, 247, 1211-1216.	1.8	2
1445	Gene therapy and type 1 diabetes mellitus. Biomedicine and Pharmacotherapy, 2018, 108, 1188-1200.	5.6	58
1446	Poly(3-hydroxybutyrate) production in an integrated electromicrobial setup: Investigation under stress-inducing conditions. PLoS ONE, 2018, 13, e0196079.	2.5	37
1447	Functional Characterization of Cryptococcal Genes: Then and Now. Frontiers in Microbiology, 2018, 9, 2263.	3.5	1
1448	A Closed System for Pico-Liter Order Substance Transport from a Giant Liposome to a Cell. Micromachines, 2018, 9, 331.	2.9	3
1449	Ultrastructural Analysis of Vesicular Transport in Electrotransfection. Microscopy and Microanalysis, 2018, 24, 553-563.	0.4	14
1450	Electroporation-assisted discrimination of normal, benign and cancerous human gastric tissues by OCT and diffuse reflectance spectra images. Laser Physics, 2018, 28, 075604.	1.2	0
1451	In Vivo Evaluation of a New Recombinant Hyaluronidase to Improve Gene Electro-Transfer Protocols for DNA-Based Drug Delivery against Cancer. Cancers, 2018, 10, 405.	3.7	13

#	Article	IF	CITATIONS
1452	Investigating Mammalian Axon Regeneration: In Vivo Electroporation of Adult Mouse Dorsal Root Ganglion. Journal of Visualized Experiments, 2018, , .	0.3	3
1453	Parametric optimization of electric field strength for cancer electrochemotherapy on a chip-based model. Theranostics, 2018, 8, 358-368.	10.0	9
1454	Gene Editing in Channel Catfish via Double Electroporation of Zinc-Finger Nucleases. Methods in Molecular Biology, 2018, 1867, 201-214.	0.9	9
1455	Control of Cell Function Using Gas-Liquid Interfacial Plasmas. Vacuum and Surface Science, 2018, 61, 143-149.	0.1	O
1456	Prospects and challenges of physical manipulation of the cell membrane. Physics of Life Reviews, 2018, 26-27, 43-46.	2.8	2
1457	Mathematical modeling of drug delivery in tissue cells using electroporation. AIP Conference Proceedings, 2018, , .	0.4	1
1458	Cancer modeling by Transgene Electroporation in Adult Zebrafish (TEAZ). DMM Disease Models and Mechanisms, 2018, 11, .	2.4	40
1459	Polymeric Gels: Vehicles for Enhanced Drug Delivery Across Skin. Gels Horizons: From Science To Smart Materials, 2018, , 343-375.	0.3	1
1460	Changes in plasma membrane damage inducing cell death after treatment with nearâ€infrared photoimmunotherapy. Cancer Science, 2018, 109, 2889-2896.	3.9	45
1461	Quantitative Proteomic Analysis of Cell Responses to Electroporation, a Classical Gene Delivery Approach. Proteomics, 2018, 18, e1800127.	2.2	7
1462	Non-viral Gene Delivery. Experientia Supplementum (2012), 2018, 110, 3-68.	0.9	4
1463	Production of Extracellular Vesicles Loaded with Therapeutic Cargo. Methods in Molecular Biology, 2018, 1831, 37-47.	0.9	37
1464	Genetic Transformation in Eucalyptus. , 2018, , 335-366.		1
1465	Intracellular Delivery by Membrane Disruption: Mechanisms, Strategies, and Concepts. Chemical Reviews, 2018, 118, 7409-7531.	47.7	490
1466	Efficient homology-directed gene editing by CRISPR/Cas9 in human stem and primary cells using tube electroporation. Scientific Reports, 2018, 8, 11649.	3.3	53
1467	Global Transcriptional Response to CRISPR/Cas9-AAV6-Based Genome Editing in CD34+ Hematopoietic Stem and Progenitor Cells. Molecular Therapy, 2018, 26, 2431-2442.	8.2	97
1468	Development of a Mouse Model of Prostate Cancer Using the Sleeping Beauty Transposon and Electroporation. Molecules, 2018, 23, 1360.	3.8	3
1469	Noninvasive detection of changes in cells' cytosol conductivity by combining dielectrophoresis with optical tweezers. Analytica Chimica Acta, 2018, 1030, 166-171.	5.4	7

#	Article	IF	CITATIONS
1470	Membrane electroporation: chemical thermodynamics and flux kinetics revisited and refined. European Biophysics Journal, 2018, 47, 373-387.	2.2	10
1471	Spatio-temporal dynamics of calcium electrotransfer during cell membrane permeabilization. Drug Delivery and Translational Research, 2018, 8, 1152-1161.	5 . 8	9
1472	Molecular and histological study on the effects of non-thermal irreversible electroporation on the liver. Biochemical and Biophysical Research Communications, 2018, 500, 665-670.	2.1	34
1473	Recent Advances in RNA Therapeutics and RNA Delivery Systems Based on Nanoparticles. Advanced Therapeutics, 2018, 1, 1800065.	3.2	52
1474	Electrochemotherapy in head and neck cancer: A review of an emerging cancer treatment (Review). Oncology Letters, 2018, 16, 3415-3423.	1.8	21
1475	Current Progress in Electrotransfection as a Nonviral Method for Gene Delivery. Molecular Pharmaceutics, 2018, 15, 3617-3624.	4.6	37
1476	Analysis of Electrical Analogue of a Biological Cell and Its Response to External Electric Field. Regenerative Engineering and Translational Medicine, 2019, 5, 10-21.	2.9	6
1477	Regulation of Cell Membrane Transport by Plasma. , 2019, , 173-247.		0
1478	Nucleic Acid-Based Therapy: Development of a Nonviral-Based Delivery Approach. , 0, , .		0
1479	The combination of electroporation and electrolysis (E2) employing different electrode arrays for ablation of large tissue volumes. PLoS ONE, 2019, 14, e0221393.	2.5	10
1480	Importance of collision frequency in the molecular size dependency of gene transfer efficiency in the surface discharge method. Japanese Journal of Applied Physics, 2019, 58, SEEG05.	1.5	5
1481	Introducing Genes into Cultured Mammalian Cells. Cold Spring Harbor Protocols, 2019, 2019, pdb.top095406.	0.3	1
1482	Towards an optimal dose-response relationship in gene electrotransfer protocols. Electrochimica Acta, 2019, 319, 1002-1011.	5. 2	9
1483	Microwave Induced Electroporation of Adherent Mammalian Cells at 18 GHz. IEEE Access, 2019, 7, 78698-78705.	4.2	5
1484	DNA Transfection by Electroporation. Cold Spring Harbor Protocols, 2019, 2019, pdb.prot095471.	0.3	12
1485	Electroporation. Cold Spring Harbor Protocols, 2019, 2019, pdb.top096271.	0.3	29
1486	Impedance-Based Assays Along the Life Span of Adherent Mammalian Cells In Vitro: From Initial Adhesion to Cell Death. Bioanalytical Reviews, 2019, , 1.	0.2	8
1487	Numerical Study to Probe Effects of Strain Energy on Pore Formation and Their Density Distribution. IEEE Journal of Electromagnetics, RF and Microwaves in Medicine and Biology, 2019, 3, 276-283.	3.4	1

#	Article	IF	Citations
1488	Printed Flexible Microelectrode for Application of Nanosecond Pulsed Electric Fields on Cells. Materials, 2019, 12, 2713.	2.9	6
1489	Irreversible Electroporation for the Ablation of Prostate Cancer. Current Urology Reports, 2019, 20, 63.	2.2	11
1490	Multiple cytosolic DNA sensors bind plasmid DNA after transfection. Nucleic Acids Research, 2019, 47, 10235-10246.	14.5	36
1491	A conservative and non-dissipative Eulerian formulation for the simulation of soft solids in fluids. Journal of Computational Physics, 2019, 399, 108922.	3.8	12
1492	<p>Emerging medical applications based on non-ionizing electromagnetic fields from 0 Hz to 10 THz</p> . Medical Devices: Evidence and Research, 2019, Volume 12, 347-368.	0.8	41
1493	A Study on Nonthermal Irreversible Electroporation of the Thyroid. Technology in Cancer Research and Treatment, 2019, 18, 153303381987630.	1.9	7
1494	The Effect of Lipid Antioxidant \hat{l}_{\pm} -Tocopherol on Cell Viability and Electrofusion Yield of B16-F1 Cells In Vitro. Journal of Membrane Biology, 2019, 252, 105-114.	2.1	5
1495	Increasing Uptake of Silica Nanoparticles with Electroporation: From Cellular Characterization to Potential Applications. Materials, 2019, 12, 179.	2.9	12
1496	A Critical Review of Electroporation as A Plasmid Delivery System in Mouse Skeletal Muscle. International Journal of Molecular Sciences, 2019, 20, 2776.	4.1	62
1497	Synchronized Electromechanical Shock Wave-Induced Bacterial Transformation. ACS Omega, 2019, 4, 8512-8521.	3.5	7
1498	Numerical evaluations of membrane poration by shockwave induced multiple nanobubble collapse in presence of electric fields for transport through cells. AIP Advances, 2019, 9, 045006.	1.3	5
1499	Genetic Engineering of Carrot. Compendium of Plant Genomes, 2019, , 149-186.	0.5	8
1500	Electrochemotherapy of superficial tumors – Current status:. Seminars in Oncology, 2019, 46, 173-191.	2.2	80
1501	A Continuous Flow-through Microfluidic Device for Electrical Lysis of Cells. Micromachines, 2019, 10, 247.	2.9	13
1502	Coupling of Membrane Nanodomain Formation and Enhanced Electroporation near Phase Transition. Biophysical Journal, 2019, 116, 2131-2148.	0.5	33
1503	Emerging areas of bone repair materials., 2019,, 411-446.		5
1504	Low-Luminance Blue Light-Enhanced Phototoxicity in A2E-Laden RPE Cell Cultures and Rats. International Journal of Molecular Sciences, 2019, 20, 1799.	4.1	24
1505	Delivering DNA origami to cells. Nanomedicine, 2019, 14, 911-925.	3.3	37

#	ARTICLE	IF	CITATIONS
1506	Ultrasound-guided percutaneous irreversible electroporation of hepatic and abdominal tumors not eligible for surgery or thermal ablation: a western report on safety and efficacy. Journal of Ultrasound, 2019, 22, 53-58.	1.3	5
1507	Advanced nanostructures for cell membrane poration. Nanotechnology, 2019, 30, 264002.	2.6	16
1508	Application of the CRISPR/Cas system for genome editing in microalgae. Applied Microbiology and Biotechnology, 2019, 103, 3239-3248.	3.6	37
1509	Genetic Engineering in Coffee. , 2019, , 447-488.		5
1510	Recent Developments in mRNA-Based Protein Supplementation Therapy to Target Lung Diseases. Molecular Therapy, 2019, 27, 803-823.	8.2	60
1511	Aluminium foil dampened the adverse effect of 2100ÂMHz mobile phone–induced radiation on the blood parameters and myocardium in rats. Environmental Science and Pollution Research, 2019, 26, 11686-11689.	5.3	3
1512	Effect of electroporation medium conductivity on exogenous molecule transfer to cells in vitro. Scientific Reports, 2019, 9, 1436.	3.3	28
1513	Systems of Delivery of CRISPR/Cas9 Ribonucleoprotein Complexes for Genome Editing. Russian Journal of Bioorganic Chemistry, 2019, 45, 431-437.	1.0	12
1514	Irreversible Electroporation: Background, Theory, and Review of Recent Developments in Clinical Oncology. Bioelectricity, 2019, 1, 214-234.	1.1	101
1515	Molecular dynamics simulation of reversible electroporation with Martini force field. BioMedical Engineering OnLine, 2019, 18, 123.	2.7	6
1516	Nanosecond Pulsed Electric Fields Induce Endoplasmic Reticulum Stress Accompanied by Immunogenic Cell Death in Murine Models of Lymphoma and Colorectal Cancer. Cancers, 2019, 11, 2034.	3.7	35
1517	Embryonic Chicken (<i>Gallus gallus domesticus</i>) as a Model of Cardiac Biology and Development. Comparative Medicine, 2019, 69, 184-203.	1.0	23
1518	Influence of the current density in moderate pulsed electric fields on P. putida F1 eradication. Bioelectrochemistry, 2019, 126, 172-179.	4.6	9
1519	Extracellular vesicles for personalized medicine: The input of physically triggered production, loading and theranostic properties. Advanced Drug Delivery Reviews, 2019, 138, 247-258.	13.7	82
1520	Enhancement of drug electrotransfer by extracellular plasmid DNA. Archives of Biochemistry and Biophysics, 2019, 666, 156-160.	3.0	4
1521	Electric field-responsive nanoparticles and electric fields: physical, chemical, biological mechanisms and therapeutic prospects. Advanced Drug Delivery Reviews, 2019, 138, 56-67.	13.7	113
1522	Thermal effects of mobile phones on human auricle region. Journal of Thermal Biology, 2019, 79, 56-68.	2.5	11
1523	Pulsed electric fields for cardiac ablation and beyond: A state-of-the-art review. Heart Rhythm, 2019, 16, 1112-1120.	0.7	77

#	Article	IF	CITATIONS
1524	Application of Pulsed Electric Fields to Cancer Therapy. Bioelectricity, 2019, 1, 30-34.	1.1	40
1525	Comparing Agentâ€Based Delivery of DNA and PNA Forced Intercalation (FIT) Probes for Multicolor mRNA Imaging. ChemBioChem, 2019, 20, 595-604.	2.6	14
1526	Molecular and histological study on the effects of electrolytic electroporation on the liver. Bioelectrochemistry, 2019, 125, 79-89.	4.6	16
1527	Coupling of living cells with external electrical stimulation: a computational study. Journal Physics D: Applied Physics, 2019, 52, 015401.	2.8	2
1528	The cell resealing technique for manipulating, visualizing, and elucidating molecular functions in living cells. Biochimica Et Biophysica Acta - General Subjects, 2020, 1864, 129329.	2.4	9
1529	Biofuel production from microalgae: a review. Environmental Chemistry Letters, 2020, 18, 285-297.	16.2	121
1530	Interaction of cold atmospheric plasmas with cell membranes in plasma medicine studies. Japanese Journal of Applied Physics, 2020, 59, SA0803.	1.5	16
1531	Effect of input voltage frequency on the distribution of electrical stresses on the cell surface based on single-cell dielectrophoresis analysis. Scientific Reports, 2020, 10, 68.	3 . 3	18
1532	Recent advances in micro/nanoscale intracellular delivery. Nami Jishu Yu Jingmi Gongcheng/Nanotechnology and Precision Engineering, 2020, 3, 18-31.	3.2	31
1533	Introduction of a plasmid and a protein into bovine and swine cells by water-in-oil droplet electroporation. Journal of Veterinary Medical Science, 2020, 82, 14-22.	0.9	5
1534	Irreversible electroporation (IRE): a narrative review of the development of IRE from the laboratory to a prostate cancer treatment. BJU International, 2020, 125, 369-378.	2.5	25
1535	Flow micropillar array electroporation to enhance size specific transfection to a large population of cells. Bioelectrochemistry, 2020, 132, 107417.	4.6	8
1536	Highly uniform in-situ cell electrotransfection of adherent cultures using grouped interdigitated electrodes. Bioelectrochemistry, 2020, 132, 107435.	4.6	5
1537	Polymerâ€mediated gene therapy: Recent advances and merging of delivery techniques. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2020, 12, e1598.	6.1	40
1538	Feasibility of Electroacoustic Tomography: A Simulation Study. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2020, 67, 889-897.	3.0	3
1539	Effect of Cell Passage Time on the Electrotransfection Efficiency. Biology Bulletin, 2020, 47, 441-447.	0.5	3
1540	Delivery Approaches for Therapeutic Genome Editing and Challenges. Genes, 2020, 11, 1113.	2.4	37
1541	Optimized Transgene Delivery Using Thirdâ€Generation Lentiviruses. Current Protocols in Molecular Biology, 2020, 133, e125.	2.9	13

#	Article	IF	CITATIONS
1542	Lineage tracing: technology tool for exploring the development, regeneration, and disease of the digestive system. Stem Cell Research and Therapy, 2020, 11, 438.	5 . 5	11
1543	Ultrasound-assisted magnetic nanoparticle-based gene delivery. PLoS ONE, 2020, 15, e0239633.	2.5	2
1544	Materials promoting viral gene delivery. Biomaterials Science, 2020, 8, 6113-6156.	5.4	35
1545	New insights on molecular internalization and drug delivery following plasma jet exposures. International Journal of Pharmaceutics, 2020, 589, 119874.	5.2	47
1546	Electroporation of a hybrid bilayer membrane by scanning electrochemical microscope. Bioelectrochemistry, 2020, 136, 107617.	4.6	7
1547	Induction of a local muscular dystrophy using electroporation in vivo: an easy tool for screening therapeutics. Scientific Reports, 2020, 10, 11301.	3.3	5
1548	Emerging electroporation-based technologies for wound care. , 2020, , 155-170.		1
1549	Non-viral Gene Delivery Methods for Bone and Joints. Frontiers in Bioengineering and Biotechnology, 2020, 8, 598466.	4.1	32
1550	Natural killer cell engineering – a new hope for cancer immunotherapy. Seminars in Hematology, 2020, 57, 194-200.	3.4	11
1551	Synthesis, characterization, antiproliferative of pyrimidine based ligand and its Ni(II) and Pd(II) complexes and effectiveness of electroporation. Journal of Biomolecular Structure and Dynamics, 2022, 40, 4073-4083.	3.5	19
1552	Sequential Water and Headgroup Merger: Membrane Poration Paths and Energetics from MD Simulations. Biophysical Journal, 2020, 119, 2418-2430.	0.5	8
1553	Overcoming the delivery problem for therapeutic genome editing: Current status and perspective of non-viral methods. Biomaterials, 2020, 258, 120282.	11.4	58
1554	A versatile bulk electrotransfection protocol for murine embryonic fibroblasts and iPS cells. Scientific Reports, 2020, 10, 13332.	3.3	4
1555	Enhancing Cell Viability and Efficiency of Plasmid DNA Electrotransfer Through Reducing Plasma Membrane Permeabilization. Bioelectricity, 2020, 2, 251-257.	1.1	3
1556	Skin Delivery of siRNA Using Sponge Spicules in Combination with Cationic Flexible Liposomes. Molecular Therapy - Nucleic Acids, 2020, 20, 639-648.	5.1	24
1557	Modeling iontophoretic drug delivery in a microfluidic device. Lab on A Chip, 2020, 20, 3310-3321.	6.0	12
1558	Investigation of Plasmid DNA Delivery and Cell Viability Dynamics for Optimal Cell Electrotransfection In Vitro. Applied Sciences (Switzerland), 2020, 10, 6070.	2.5	14
1560	Nano-localized single-cell nano-electroporation. Lab on A Chip, 2020, 20, 4194-4204.	6.0	30

#	Article	IF	CITATIONS
1561	Electroporation as the Immunotherapy Strategy for Cancer in Veterinary Medicine: State of the Art in Latin America. Vaccines, 2020, 8, 537.	4.4	15
1562	Nanovolcano microelectrode arrays: toward long-term on-demand registration of transmembrane action potentials by controlled electroporation. Microsystems and Nanoengineering, 2020, 6, 67.	7.0	16
1563	Impedance analysis of adherent cells after in situ electroporation-mediated delivery of bioactive proteins, DNA and nanoparticles in $\hat{A}\mu L$ -volumes. Scientific Reports, 2020, 10, 21331.	3.3	13
1564	Eradication of Saccharomyces cerevisiae by Pulsed Electric Field Treatments. Microorganisms, 2020, 8, 1684.	3.6	8
1565	Nanocarrierâ€Mediated Cytosolic Delivery of Biopharmaceuticals. Advanced Functional Materials, 2020, 30, 1910566.	14.9	99
1566	Correlation between the loss of intracellular molecules and cell viability after cell electroporation. Bioelectrochemistry, 2020, 135, 107550.	4.6	26
1567	Characterization of middle-molecule introduction into cells using mm-scale discharge in saline. Japanese Journal of Applied Physics, 2020, 59, 040904.	1.5	2
1568	A review of emerging physical transfection methods for CRISPR/Cas9-mediated gene editing. Theranostics, 2020, 10, 5532-5549.	10.0	96
1569	Physical triggering strategies for drug delivery. Advanced Drug Delivery Reviews, 2020, 158, 36-62.	13.7	55
1570	Instant labeling of therapeutic cells for multimodality imaging. Theranostics, 2020, 10, 6024-6034.	10.0	17
1571	Microampere Electric Current Causes Bacterial Membrane Damage and Two-Way Leakage in a Short Period of Time. Applied and Environmental Microbiology, 2020, 86, .	3.1	26
1572	Emerging Technologies for Pulmonary Vein Isolation. Circulation Research, 2020, 127, 170-183.	4.5	53
1573	Impedance-Based Single-Cell Pipetting. SLAS Technology, 2020, 25, 222-233.	1.9	0
1574	High-Voltage Electrical Pulses in Oncology: Irreversible Electroporation, Electrochemotherapy, Gene Electrotransfer, Electrofusion, and Electroimmunotherapy. Radiology, 2020, 295, 254-272.	7.3	208
1575	Principles of Genetic Engineering. Genes, 2020, 11, 291.	2.4	41
1576	A highly efficient method for single-cell electroporation in mouse organotypic hippocampal slice culture. Journal of Neuroscience Methods, 2020, 337, 108632.	2.5	6
1577	Clinical impact of irreversible electroporation ablation for unresectable hilar cholangiocarcinoma. Scientific Reports, 2020, 10, 10883.	3.3	13
1578	Electrotransfer of siRNA to Silence Enhanced Green Fluorescent Protein in Tumor Mediated by a High Intensity Pulsed Electromagnetic Field. Vaccines, 2020, 8, 49.	4.4	12

#	Article	IF	Citations
1579	Exosomes as Drug Delivery Vehicles for Cancer Treatment. Current Nanoscience, 2020, 16, 15-26.	1.2	9
1580	Feasibility of selective cardiac ventricular electroporation. PLoS ONE, 2020, 15, e0229214.	2.5	22
1581	PEGylated Amine-Functionalized Poly(Îμ-caprolactone) for the Delivery of Plasmid DNA. Materials, 2020, 13, 898.	2.9	8
1582	Pulsed field ablation for pulmonary vein isolation in the treatment of atrial fibrillation. Journal of Cardiovascular Electrophysiology, 2020, 31, 2136-2147.	1.7	59
1583	ElectroPen: An ultra-low–cost, electricity-free, portable electroporator. PLoS Biology, 2020, 18, e3000589.	5.6	16
1584	Engineering Biomaterials with Micro/Nanotechnologies for Cell Reprogramming. ACS Nano, 2020, 14, 1296-1318.	14.6	39
1585	The Efficiency of Gene Electrotransfer in Breast-Cancer Cell Lines Cultured on a Novel Collagen-Free 3D Scaffold. Cancers, 2020, 12, 1043.	3.7	16
1586	Intracellular Labeling with Extrinsic Probes: Delivery Strategies and Applications. Small, 2020, 16, e2000146.	10.0	21
1587	Factors and Conditions That Impact Electroporation of Clostridioides difficile Strains. MSphere, 2020, 5, .	2.9	7
1588	Calculations of Cell Transmembrane Voltage Induced by Time-Varying Magnetic Fields. IEEE Transactions on Plasma Science, 2020, 48, 1088-1095.	1.3	8
1589	Electrophoresis-assisted accumulation of conductive nanoparticles for the enhancement of cell electropermeabilization. Bioelectrochemistry, 2021, 137, 107642.	4.6	4
1590	Multi-Tissue Analysis on the Impact of Electroporation on Electrical and Thermal Properties. IEEE Transactions on Biomedical Engineering, 2021, 68, 771-782.	4.2	18
1591	Single-cell transfection technologies for cell therapies and gene editing. Journal of Controlled Release, 2021, 330, 963-975.	9.9	25
1592	Effects of oscillating electric fields on conotoxin peptide conformation: A molecular dynamic simulation study. Journal of Molecular Graphics and Modelling, 2021, 103, 107799.	2.4	9
1593	Effects of combination TGF-B1 transfection and platelet rich plasma (PRP) on three-dimension chondrogenic differentiation of rabbit dental pulp-derived mesenchymal stem cells. Connective Tissue Research, 2021, 62, 226-237.	2.3	5
1594	Clarification of electrical current importance in plasma gene transfection by equivalent circuit analysis. PLoS ONE, 2021, 16, e0245654.	2.5	4
1595	mRNA Transfection of T-Lymphocytes by Electroporation. Methods in Molecular Biology, 2021, 2285, 217-226.	0.9	0
1596	Understanding In Vivo Fate of Nucleic Acid and Gene Medicines for the Rational Design of Drugs. Pharmaceutics, 2021, 13, 159.	4.5	10

#	Article	IF	Citations
1597	Black phosphorus mediated photoporation: a broad absorption nanoplatform for intracellular delivery of macromolecules. Nanoscale, 2021, 13, 17049-17056.	5.6	5
1598	A Comprehensive Review on Intracellular Delivery. Advanced Materials, 2021, 33, e2005363.	21.0	58
1599	Selective Release of Recombinant Periplasmic Protein From E. coli Using Continuous Pulsed Electric Field Treatment. Frontiers in Bioengineering and Biotechnology, 2020, 8, 586833.	4.1	2
1600	Circular Multielectrode Pulsed Field Ablation Catheter Lasso Pulsed Field Ablation. Circulation: Arrhythmia and Electrophysiology, 2021, 14, e009229.	4.8	34
1601	Delivery of transcription factors as modulators of cell differentiation. Drug Delivery and Translational Research, 2021, 11, 426-444.	5.8	10
1602	Continuum analysis to assess field enhancements for tailoring electroporation driven by monopolar or bipolar pulsing based on nonuniformly distributed nanoparticles. Physical Review E, 2021, 103, 022402.	2.1	9
1603	The Ins and Outs of Messenger RNA Electroporation for Physical Gene Delivery in Immune Cell-Based Therapy. Pharmaceutics, 2021, 13, 396.	4.5	18
1604	Clinical Usage of Tissue Electrical Conductivity during the Electroporation: An Essential and Useful Factor. Frontiers in Biomedical Technologies, 0, , .	0.0	1
1605	The new technology of molecular and gene introduction method using discharge plasma: plasma brings features of random genome integration-free and damage-free to cells, genomic-DNA and external introducing molecules. Japanese Journal of Applied Physics, 2021, 60, 030502.	1.5	6
1606	Expedition into Exosome Biology: A Perspective of Progress from Discovery to Therapeutic Development. Cancers, 2021, 13, 1157.	3.7	23
1607	Resuscitation of Pulsed Electric Field-Treated Staphylococcus aureus and Pseudomonas putida in a Rich Nutrient Medium. Foods, 2021, 10, 660.	4.3	4
1608	A statistical framework for determination of minimal plasmid copy number required for transgene expression in mammalian cells. Bioelectrochemistry, 2021, 138, 107731.	4.6	11
1609	Visualization of Sox10â€positive chromatoblasts by GFP fluorescence in flounder larvae and juveniles using electroporation. Journal of Experimental Zoology Part B: Molecular and Developmental Evolution, 2021, 336, 393-403.	1.3	0
1610	Materials for Improving Immune Cell Transfection. Advanced Materials, 2021, 33, e2007421.	21.0	36
1611	Evolutionary Timeline of Genetic Delivery and Gene Therapy. Current Gene Therapy, 2021, 21, 89-111.	2.0	2
1612	Current Practice in Bicistronic IRES Reporter Use: A Systematic Review. International Journal of Molecular Sciences, 2021, 22, 5193.	4.1	11
1613	Microfluidic Based Physical Approaches towards Single-Cell Intracellular Delivery and Analysis. Micromachines, 2021, 12, 631.	2.9	13
1614	Microfluidic and Nanofluidic Intracellular Delivery. Advanced Science, 2021, 8, e2004595.	11.2	34

#	Article	IF	CITATIONS
1615	Therapeutic Genome Editing and In Vivo Delivery. AAPS Journal, 2021, 23, 80.	4.4	2
1616	On the Coupling between Mechanical Properties and Electrostatics in Biological Membranes. Membranes, 2021, 11, 478.	3.0	29
1617	A call for the standardised reporting of factors affecting the exogenous loading of extracellular vesicles with therapeutic cargos. Advanced Drug Delivery Reviews, 2021, 173, 479-491.	13.7	68
1618	Study protocol designed to investigate tumour response to calcium electroporation in cancers affecting the skin: a non-randomised phase II clinical trial. BMJ Open, 2021, 11, e046779.	1.9	13
1619	Does pulsed field ablation regress over time? A quantitative temporal analysis of pulmonary vein isolation. Heart Rhythm, 2021, 18, 878-884.	0.7	25
1620	Exploring the Conformational Changes Induced by Nanosecond Pulsed Electric Fields on the Voltage Sensing Domain of a Ca2+ Channel. Membranes, 2021, 11, 473.	3.0	12
1621	Ultrasound image-guided gene delivery using three-dimensional diagnostic ultrasound and lipid-based microbubbles. Journal of Drug Targeting, 2022, 30, 200-207.	4.4	11
1622	Clinical Applications and Immunological Aspects of Electroporation-Based Therapies. Vaccines, 2021, 9, 727.	4.4	6
1623	Electrotherapies for Glioblastoma. Advanced Science, 2021, 8, e2100978.	11.2	25
1624	A review of the tortuous path of nonviral gene delivery and recent progress. International Journal of Biological Macromolecules, 2021, 183, 2055-2073.	7.5	34
1625	Non-viral transfection technologies for next-generation therapeutic T cell engineering. Biotechnology Advances, 2021, 49, 107760.	11.7	33
1626	Delayed manipulation of regeneration within injured peripheral axons. Neurobiology of Disease, 2021, 155, 105383.	4.4	3
1627	Response characteristics and optimization of electroporation: simulation based on finite element method. Electromagnetic Biology and Medicine, 2021, 40, 321-337.	1.4	1
1628	Valorization Options of Strawberry Extrudate Agro-Waste. A Review. , 0, , .		2
1629	Numerical simulation of intracellular drug delivery via rapid squeezing. Biomicrofluidics, 2021, 15, 044102.	2.4	6
1630	Genetic Manipulation of Non-Falciparum Human Malaria Parasites. Frontiers in Cellular and Infection Microbiology, 2021, 11, 680460.	3.9	4
1631	Sonoporation: Past, Present, and Future. Advanced Materials Technologies, 2022, 7, .	5.8	28
1632	Advances in the Development and the Applications of Nonviral, Episomal Vectors for Gene Therapy. Human Gene Therapy, 2021, 32, 1076-1095.	2.7	17

#	Article	IF	CITATIONS
1633	Development of novel gene carrier using modified nano hydroxyapatite derived from equine bone for osteogenic differentiation of dental pulp stem cells. Bioactive Materials, 2021, 6, 2742-2751.	15.6	14
1634	Micromotor-based localized electroporation and gene transfection of mammalian cells. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	16
1635	Advantages and limitations of various treatment chamber designs for reversible and irreversible electroporation in life sciences. Bioelectrochemistry, 2021, 141, 107841.	4.6	10
1636	Engineering and loading therapeutic extracellular vesicles for clinical translation: A data reporting frame for comparability. Advanced Drug Delivery Reviews, 2021, 178, 113972.	13.7	36
1637	Recent electroporation-based systems for intracellular molecule delivery. Nami Jishu Yu Jingmi Gongcheng/Nanotechnology and Precision Engineering, 2021, 4, .	3.2	15
1638	Engineering exosomal microRNAs in human pluripotent stem cells. , 2022, , 1-27.		3
1639	Genetic modification of adipose-derived stem cells for bone regeneration., 2022, , 347-370.		0
1640	Cell-penetrating peptides in cancer targeting. , 2021, , 201-220.		1
1641	Ionic liquids: prospects for nucleic acid handling and delivery. Nucleic Acids Research, 2021, 49, 1201-1234.	14.5	31
1642	Resistor–capacitor modeling of the cell membrane: A multiphysics analysis. Journal of Applied Physics, 2021, 129, .	2.5	23
1643	Electroâ€Fusion of Cells: Principles and Potential for the Future. Novartis Foundation Symposium, 1984, 103, 60-85.	1.1	10
1648	Generation of CAR+ T Lymphocytes Using the Sleeping Beauty Transposon System. Methods in Molecular Biology, 2020, 2086, 131-137.	0.9	5
1649	CRISPR/Cas9-Based Gene Engineering of Human Natural Killer Cells: Protocols for Knockout and Readouts to Evaluate Their Efficacy. Methods in Molecular Biology, 2020, 2121, 213-239.	0.9	13
1650	Electroinjection and Electrofusion in Hypo-osmolar Solution. , 1989, , 1-30.		9
1651	Micro-electroporation in cellomics. , 2004, , 123-141.		1
1652	Electrotransfer of Plasmid DNA. , 2011, , 145-157.		1
1653	Electroporation: A New Phenomenon to Consider in Medical Technology. , 1990, , 81-101.		1
1654	The Study of Membrane Electrofusion and Electroporation Mechanisms. , 1989, , 315-337.		7

#	Article	IF	CITATIONS
1655	Membrane Electroporation: Biophysical and Biotechnical Aspects., 1989,, 373-382.		4
1656	Electric Field Effects on Biological Membranes: Electroincorporation and Electrofusion. , 1987, , 135-166.		2
1657	Stimulation of Plant Cell Division and Organogenesis by Short-Term, High-Voltage Electrical Pulses. , 1996, , 273-286.		7
1658	Electrically Stimulated Membrane Breakdown. , 1996, , 15-36.		15
1659	Gene Delivery by Membrane Electroporation. , 1996, , 157-183.		9
1660	Electrofusion and Electrotransfection of Cells. , 1988, , 209-222.		2
1661	Pre-selection of B-Lymphocytes by Antigen for Fusion to Myeloma Cells by Pulsed Electric Field (PEF) Method., 1988,, 223-236.		2
1662	The Mechanism of Erythrocyte Ghost Fusion by Electric Field Pulses. , 1988, , 237-254.		3
1663	Frequency Selective Propagation of Extracellular Electrical Stimuli to Intracellular Compartments. , 1984, , 327-338.		2
1664	Transient Gene Expression of Chimeric Genes in Cells and Tissues of Crops. Sub-Cellular Biochemistry, 1991, 17, 143-166.	2.4	2
1665	Electroporation-Based Gene Therapy: Recent Evolution in the Mechanism Description and Technology Developments. Methods in Molecular Biology, 2014, 1121, 3-23.	0.9	33
1666	DNA Delivery in Adult Mouse Eyes: An Update with Corneal Outcomes. Methods in Molecular Biology, 2014, 1121, 165-177.	0.9	6
1667	Gene Electrotransfer in Clinical Trials. Methods in Molecular Biology, 2014, 1121, 241-246.	0.9	13
1669	Plasmid DNA for Clinical Phase I and II Studies. Advances in Experimental Medicine and Biology, 1998, 451, 481-486.	1.6	10
1670	DNA-Mediated Gene Transfer into Mammalian Cells. , 1987, , 187-202.		8
1671	Time Course of Electropermeabilization. , 1992, , 285-301.		9
1672	Control of Maize Zein Gene Expression. , 1987, , 61-74.		3
1673	Electrically-Induced DNA Transfer into Cells. Electrotransfection in Vivo., 1994,, 210-232.		7

#	Article	IF	CITATIONS
1674	Electrofusion., 1987,, 367-395.		35
1675	Transient Aqueous Pores: A Mechanism for Coupling Electric Fields to Bilayer and Cell Membranes. , 1987, , 249-270.		9
1676	Dielectrophoresis and Rotation of Cells. , 1989, , 3-21.		27
1677	The Mechanism of Electroporation and Electrofusion in Erythrocyte Membranes. , 1989, , 229-256.		19
1678	Gene Transfer by Electroporation. , 1989, , 299-318.		14
1679	Electropermeabilization and Electrosensitivity of Different Types of Mammalian Cells., 1989,, 319-330.		19
1680	Molecular Genetic Applications of Electroporation. , 1989, , 331-341.		3
1681	Plant Gene Transfer Using Electrofusion and Electroporation. , 1989, , 343-354.		22
1682	Cells in Electric Fields., 1989,, 389-407.		12
1683	The Relaxation Hysteresis of Membrane Electroporation. , 1989, , 61-82.		55
1684	Electrical Breakdown of Lipid Bilayer Membranes. , 1989, , 83-95.		23
1685	Theory of Electroporation. , 1989, , 111-126.		30
1686	Electroporation of Cell Membranes. , 1989, , 149-163.		33
1687	In Utero Electroporation of the Mouse Embryo. Neuromethods, 2015, , 1-20.	0.3	4
1688	High-Efficiency Electroporation of the Spinal Cord in Larval Axolotl. Methods in Molecular Biology, 2015, 1290, 115-125.	0.9	11
1689	Microfluidic Device for Localized Electroporation. Methods in Molecular Biology, 2020, 2050, 91-97.	0.9	4
1690	Genetically Modified Microorganisms. , 2004, , 29-51.		3
1691	Delivery of DNA into Muscle for Treating Systemic Diseases: Advantages and Challenges. Methods in Molecular Biology, 2008, 423, 199-214.	0.9	23

#	ARTICLE	IF	CITATIONS
1692	Delivery of DNA into Bladder via Electroporation. Methods in Molecular Biology, 2008, 423, 249-257.	0.9	6
1693	Effect of Electroporation on Cardiac Electrophysiology. Methods in Molecular Biology, 2008, 423, 433-448.	0.9	27
1694	HER2/neu DNA Vaccination for Breast Tumors. Methods in Molecular Biology, 2008, 423, 473-485.	0.9	3
1695	Electrode Assemblies Used for Electroporation of Cultured Cells. Methods in Molecular Biology, 2008, 423, 61-76.	0.9	8
1696	Introducing Cloned Genes into Cultured Neurons Providing Novel In vitro Models for Neuropathology and Neurotoxicity Studies. Neuromethods, 2011, 56, 185-222.	0.3	1
1697	Nonviral Gene Delivery in Neural Progenitors Derived from Human Pluripotent Stem Cells. Methods in Molecular Biology, 2011, 767, 343-354.	0.9	7
1698	In Utero Electroporation in Mice. Methods in Molecular Biology, 2013, 1018, 151-163.	0.9	13
1699	Genetic Transformation of Filamentous Fungi: Achievements and Challenges. Grand Challenges in Biology and Biotechnology, 2020, , 123-164.	2.4	8
1700	Systems for Plant Protoplast Transformation. , 1983, , 57-60.		2
1702	Principles of Electroporation for Gene Therapy. , 2016, , 1-16.		1
1703	Pulsed Electric Fields Treatment in Food Technology: Challenges and Opportunities. , 2017, , 2657-2680.		4
1704	Electrochemotherapy and Its Clinical Applications. , 2017, , 1771-1786.		4
1705	How Imaging Membrane and Cell Processes Involved in Electropermeabilization Can Improve Its Development in Cell Biology and in Clinics. Advances in Anatomy, Embryology and Cell Biology, 2017, 227, 107-118.	1.6	1
1706	Optimum Conductivity of Gels for Electric Field Homogenization in Tissue Electroporation Therapies. IFMBE Proceedings, 2007, , 619-622.	0.3	3
1707	Historical Review of Irreversible Electroporation in Medicine. Series in Biomedical Engineering, 2010, , 1-21.	0.5	18
1708	The Use of Irreversible Electroporation in Food Preservation. Series in Biomedical Engineering, 2010, , 273-312.	0.5	21
1709	Transformation of Maize Protoplasts. Biotechnology in Agriculture and Forestry, 1994, , 217-240.	0.2	1
1710	Applications of Protoplast Technology. Proceedings in Life Sciences, 1985, , 6-11.	0.5	3

#	Article	IF	CITATIONS
1711	Electropermeabilization and Electrofusion of Cells. , 1988, , 251-268.		5
1712	Genetic Engineering and In Vitro Manipulation of Plant Cells â€" Technical Advances. Biotechnology in Agriculture and Forestry, 1989, , 1-25.	0.2	9
1713	Uptake and Integration of Exogenous DNA in Plants. Biotechnology in Agriculture and Forestry, 1989, , 54-74.	0.2	3
1714	Alternative Verfahren beim Nierenzellkarzinom. , 2016, , 65-98.		1
1715	The Molecular Biology of Cauliflower Mosaic Virus and Its Application as Plant Gene Vector. Plant Gene Research, 1987, , 1-29.	0.4	27
1716	Transient Expression of DNA in Plant Cells. Plant Gene Research, 1987, , 303-310.	0.4	7
1717	Direct Gene Transfer to Plants. Plant Gene Research, 1987, , 229-247.	0.4	8
1718	Transfer of Foreign DNA into Aquatic Animals by Electroporation. , 2009, , 229-237.		4
1720	Gene transfer in plants., 1989,, 275-291.		5
1721	Electroporation-Mediated Enhancement of Plant Protoplast Division and Plant Regeneration. Current Plant Science and Biotechnology in Agriculture, 1988, , 39-40.	0.0	1
1722	Transdermal Drug Therapy: Emerging Techniques and Improved Patient Compliance. , 2019, , 261-289.		2
1723	3D Assessment of Irreversible Electroporation Treatments in Vegetal Models. IFMBE Proceedings, 2016, , 294-297.	0.3	23
1724	Transformation of Staphylococcus epidermidis and other staphylococcal species with plasmid DNA by electroporation. FEMS Microbiology Letters, 1990, 66, 203-207.	1.8	136
1725	In Vitro Genetic Manipulation of Cereals and Grasses. Advances in Cell Culture, 1988, 6, 291-325.	0.9	15
1726	Plant Protoplast Fusion by Electromanipulation. Advances in Cell Culture, 1989, , 147-160.	0.9	2
1727	Electroporation of Cells., 1994,, 37-43.		2
1728	Overview of Electroporation and Electrofusion. , 1992, , 1-6.		37
1729	Structure and Dynamics of Electric Field-Induced Membrane Pores as Revealed by Rapid-Freezing Electron Microscopy., 1992,, 9-27.		7

#	Article	IF	CITATIONS
1730	Time Sequence of Molecular Events in Electroporation. , 1992, , 47-61.		2
1731	Biophysical Considerations of Membrane Electroporation. , 1992, , 77-90.		5
1732	Progress toward a Theoretical Model for Electroporation Mechanism: Membrane Electrical Behavior and Molecular Transport., 1992,, 91-117.		4
1733	Electroinsertion: An Electrical Method for Protein Implantation into Cell Membranes. , 1992, , 327-346.		1
1734	Design of Protocols for Electroporation and Electrofusion: Selection of Electrical Parameters., 1992,, 429-455.		2
1735	Protocols for Using Electroporation to Stably or Transiently Transfect Mammalian Cells. , 1992, , 457-463.		4
1736	Vectors for Gene Transfer in Higher Plants. , 1993, , 15-48.		6
1737	THE USE OF ESCHERICHIA COLI SPHEROPLASTS: A POSSIBLE APPROACH FOR THE INTRODUCTION OF FOREIGN GENES INTO CROP PLANTS. , 1986, , 367-374.		1
1738	Electroporation., 1986,, 293-295.		2
1739	Electroporation Therapy. , 2014, , 269-287.		3
1740	Use of Cultured Osteoblastic Cells to Identify and Characterize Transcriptional Regulatory Complexes., 2002,, 1503-1527.		6
1741	Intracellular delivery of colloids: Past and future contributions from microinjection. Advanced Drug Delivery Reviews, 2018, 132, 3-15.	13.7	29
1742	Plasminogen mutants activated by thrombin. Potential thrombus-selective thrombolytic agents Journal of Biological Chemistry, 1994, 269, 15989-15992.	3.4	20
1743	Biochemical and molecular genetic analyses on placental aromatase (P-450AROM) deficiency Journal of Biological Chemistry, 1992, 267, 4781-4785.	3.4	78
1744	Glucagon gene 5'-flanking sequences promote islet cell-specific gene transcription Journal of Biological Chemistry, 1987, 262, 15659-15665.	3 . 4	70
1745	Isolation and characterization of rat CYP11B genes involved in late steps of mineralo- and glucocorticoid syntheses Journal of Biological Chemistry, 1993, 268, 9130-9137.	3.4	62
1746	Identification of sequences within the murine granulocyte-macrophage colony-stimulating factor mRNA 3'-untranslated region that mediate mRNA stabilization induced by mitogen treatment of EL-4 thymoma cells Journal of Biological Chemistry, 1991, 266, 17959-17965.	3.4	81
1747	Secretion of a homodimeric V±CΚ T-cell receptor-immunoglobulin chimeric protein. Journal of Biological Chemistry, 1989, 264, 7310-7316.	3.4	26

#	Article	IF	CITATIONS
1748	Regulation of CYP11A (P450SCC) and CYP17 (P450(17) alpha) gene expression in bovine luteal cells in primary culture. Journal of Biological Chemistry, 1991, 266, 11170-11175.	3.4	15
1749	Nucleotide sequence and expression of rabbit globin genes zeta 1, zeta 2, and zeta 3. Pseudogenes generated by block duplications are transcriptionally competent Journal of Biological Chemistry, 1988, 263, 9981-9993.	3.4	17
1750	Transfer of monoclonal antibodies into mammalian cells by electroporation. Journal of Biological Chemistry, 1989, 264, 15494-15500.	3.4	134
1751	Cell-Penetrating, Peptide-Based RAFT Agent for Constructing Penetration Enhancers. ACS Macro Letters, 2020, 9, 260-265.	4.8	19
1755	Spatial Compartmentation and Time Resolution of Photooxidation of a Cell Membrane Probe in Electropermeabilized Chinese Hamster Ovary Cells. FEBS Journal, 1995, 228, 710-718.	0.2	31
1756	The Development of Electroporation. Science, 2002, 295, 277a-277.	12.6	11
1757	Genetic transformation of intact Lactococcus lactis subsp. lactis by high-voltage electroporation. Applied and Environmental Microbiology, 1989, 55, 604-610.	3.1	63
1758	Transformation of Bacillus cereus vegetative cells by electroporation. Applied and Environmental Microbiology, 1989, 55, 1649-1652.	3.1	63
1759	Transformation of Saccharomyces cerevisiae by electroporation. Applied and Environmental Microbiology, 1989, 55, 2242-2246.	3.1	96
1760	High-Efficiency Transformation of <i>Rhizobium leguminosarum</i> by Electroporation. Applied and Environmental Microbiology, 1999, 65, 2802-2804.	3.1	36
1761	Herpesvirus papio contains a plasmid origin of replication that acts in cis interspecies with an Epstein-Barr virus trans-acting function. Journal of Virology, 1986, 60, 1159-1162.	3.4	15
1762	Electroporation-mediated transfection of Acholeplasma laidlawii with mycoplasma virus L1 and L3 DNA. Journal of Virology, 1988, 62, 3050-3052.	3.4	16
1763	Plasmid origin of replication of herpesvirus papio: DNA sequence and enhancer function. Journal of Virology, 1990, 64, 2876-2883.	3.4	32
1764	Extended life span of human endometrial stromal cells transfected with cloned origin-defective, temperature-sensitive simian virus 40. Journal of Virology, 1991, 65, 1458-1465.	3.4	23
1765	Mutations in a herpes simplex virus type 1 origin that inhibit interaction with origin-binding protein also inhibit DNA replication. Journal of Virology, 1991 , 65 , $1649-1652$.	3.4	36
1766	EBNA-2 transactivates a lymphoid-specific enhancer in the BamHI C promoter of Epstein-Barr virus. Journal of Virology, 1991, 65, 2164-2169.	3.4	174
1767	Regulation of the Epstein-Barr virus DNA polymerase gene. Journal of Virology, 1992, 66, 2837-2845.	3.4	43
1768	Introduction of exogenous DNA into Chlamydomonas reinhardtii by electroporation. Molecular and Cellular Biology, 1991, 11, 2328-2332.	2.3	51

#	Article	IF	CITATIONS
1769	Reciprocal Regulation of the Epstein-Barr Virus <i>BamHI-F</i> Promoter by EBNA-1 and an E2F Transcription Factor. Molecular and Cellular Biology, 1994, 14, 7144-7152.	2.3	41
1770	A vector that replicates as a plasmid and can be efficiently selected in B-lymphoblasts transformed by Epstein-Barr virus. Molecular and Cellular Biology, 1985, 5, 410-413.	2.3	275
1771	A Putative Origin of Replication of Plasmids Derived from Epstein-Barr Virus Is Composed of Two <i>cis</i> -Acting Components. Molecular and Cellular Biology, 1985, 5, 1822-1832.	2.3	295
1772	Electric field-mediated DNA transfer: transient and stable gene expression in human and mouse lymphoid cells. Molecular and Cellular Biology, 1986, 6, 703-706.	2.3	76
1773	Transfer of cloned human class I major histocompatibility complex genes into HLA mutant human lymphoblastoid cells. Molecular and Cellular Biology, 1986, 6, 1074-1087.	2.3	31
1774	High-Efficiency Transformation of Mammalian Cells by Plasmid DNA. Molecular and Cellular Biology, 1987, 7, 2745-2752.	2.3	2,479
1775	The 5' untranslated sequence of the c-sis/platelet-derived growth factor 2 transcript is a potent translational inhibitor. Molecular and Cellular Biology, 1988, 8, 284-292.	2.3	96
1776	Mutations in the Hormone Regulatory Element of Mouse Mammary Tumor Virus Differentially Affect the Response to Progestins, Androgens, and Glucocorticoids. Molecular and Cellular Biology, 1989, 9, 3999-4008.	2.3	34
1777	Changes in the phenotype of human small cell lung cancer cell lines after transfection and expression of the c-myc proto-oncogene Journal of Clinical Investigation, 1986, 78, 525-532.	8.2	88
1778	Membrane Electroporation and Emerging Biomedical Applications. , 2008, , 741-758.		1
1779	Advanced Electroporation Techniques in Biology and Medicine. , 0, , .		104
1780	Glass beads load macromolecules into living cells. Journal of Cell Science, 1987, 88, 669-678.	2.0	160
1781	Optimum conditions for electric pulse-mediated gene transfer to mammalian cells in suspension Cell Structure and Function, 1987, 12, 173-180.	1.1	29
1782	Establishment of Mouse Oligodendrocyte/Type-2 Astrocyte Lineage Cell Line by Transfection with Origin-Defective Simian Virus 40 DNA Cell Structure and Function, 1992, 17, 325-333.	1.1	18
1783	Introduction of Macromolecules into Living Dictyostelium Cells by Electroporation Cell Structure and Function, 1995, 20, 185-190.	1.1	50
1784	Electroporation as a New Cancer Treatment Technique: A Review on the Mechanisms of Action. Biomedical and Pharmacology Journal, 2014, 7, 53-62.	0.5	24
1785	Temperature Modulation of Electric Fields in Biological Matter. PLoS ONE, 2011, 6, e20877.	2.5	11
1786	Electroporation and Microinjection Successfully Deliver Single-Stranded and Duplex DNA into Live Cells as Detected by FRET Measurements. PLoS ONE, 2014, 9, e95097.	2.5	13

#	Article	IF	CITATIONS
1787	Modeling of Microvascular Permeability Changes after Electroporation. PLoS ONE, 2015, 10, e0121370.	2.5	16
1788	Effect of Blood Vessel Segmentation on the Outcome of Electroporation-Based Treatments of Liver Tumors. PLoS ONE, 2015, 10, e0125591.	2.5	23
1789	Non-Invasive Delivery of dsRNA into De-Waxed Tick Eggs by Electroporation. PLoS ONE, 2015, 10, e0130008.	2.5	7
1790	Synergistic Combination of Electrolysis and Electroporation for Tissue Ablation. PLoS ONE, 2016, 11, e0148317.	2.5	32
1791	Evaluation of the Genetic Response of U937 and Jurkat Cells to 10-Nanosecond Electrical Pulses (nsEP). PLoS ONE, 2016, 11, e0154555.	2.5	15
1792	Structural and Functional Effect of an Oscillating Electric Field on the Dopamine-D3 Receptor: A Molecular Dynamics Simulation Study. PLoS ONE, 2016, 11, e0166412.	2.5	6
1793	Distinct effects of endosomal escape and inhibition of endosomal trafficking on gene delivery via electrotransfection. PLoS ONE, 2017, 12, e0171699.	2.5	44
1794	Cell-penetrating peptide-driven Cre recombination in porcine primary cells and generation of marker-free pigs. PLoS ONE, 2018, 13, e0190690.	2.5	12
1795	A Novel Nonthermal Energy Source for Surgical Epicardial Atrial Ablation: Irreversible Electroporation. Heart Surgery Forum, 2007, 10, E162-E167.	0.5	134
1796	Mechanisms of Nanosecond Pulsed Electric Field (NsPEF)-Induced Cell Death in Cells and Tumors. Journal of Nanomedicine Research, 2015, 2, .	1.8	7
1797	Electroporation-Mediated Gene Transfer that Targets Glomeruli. Journal of the American Society of Nephrology: JASN, 2001, 12, 949-954.	6.1	94
1798	Novel and Emerging Tools and Technologies in Cardiac Electrophysiology: What's on the Horizon in 2020?. Journal of Innovations in Cardiac Rhythm Management, 2019, 10, 3944-3948.	0.5	1
1799	From diagnosis to therapy in lung cancer: management of CT detected pulmonary nodules, a summary of the 2015 Chinese-German Lung Cancer Expert Panel. Translational Lung Cancer Research, 2016, 5, 377-388.	2.8	5
1800	Advances in Gene Delivery Systems. Pharmaceutical Medicine, 2011, 25, 293-306.	1.9	82
1801	Observations of the Mechanisms of Electromediated DNA Uptake - From Vesicles to Tissues. Current Gene Therapy, 2010, 10, 256-266.	2.0	29
1802	Controlled Gene Delivery Can Enhance Therapeutic Outcome for Cancer Immune Therapy for Melanoma. Current Gene Therapy, 2014, 15, 32-43.	2.0	33
1803	Cell Phones and their Impact on Male Fertility: Fact or Fiction. The Open Reproductive Science Journal, 2011, 3, 125-137.	0.5	17
1804	Non-Viral Vectors for Gene Delivery. Nanoscience and Nanotechnology - Asia, 2018, 9, 4-11.	0.7	7

#	Article	IF	Citations
1805	Sustained and promoter dependent bone morphogenetic protein expression by rat mesenchymal stem cells after BMP-2 transgene electrotransfer., 2012, 24, 18-28.		11
1806	Confocal Laser Microscopy of Chondrocytes That Received Gene Transfer Using in vitro Electroporation Kurume Medical Journal, 2002, 49, 1-5.	0.1	1
1807	DNA Transfer in the Skin. , 2007, , 537-555.		1
1808	An improved method for entrapment of plasmids in liposomes Journal of Clinical Biochemistry and Nutrition, 1989, 7, 175-183.	1.4	23
1809	Rapid Delivery of Gold Nanoparticles into Colon Cancer HT-29 Cells by Electroporation: In-vitro Study. Journal of Biomedical Physics and Engineering, 2020, 10, 161-166.	0.9	4
1810	Temporary Membrane Permeabilization via the Pore-Forming Toxin Lysenin. Toxins, 2020, 12, 343.	3.4	5
1811	DNA as therapeutics; an update. Indian Journal of Pharmaceutical Sciences, 2009, 71, 488.	1.0	21
1812	Bioelectrics in Basic Science and Medicine: Impact of Electric Fields on Cellular Structures and Functions. Journal of Nanomedicine & Nanotechnology, 2013, 04, .	1.1	24
1813	Cloning Efficiency and a Comparison between Donor Cell Types. Cloning & Transgenesis, 2015, 04, .	0.1	2
1814	Irreversible Electroporation: A Novel Image-Guided Cancer Therapy. Gut and Liver, 2010, 4, S99.	2.9	139
1815	Electroporation and morphogenic potential of Gentiana kurroo (Royle) embryogenic cell suspension protoplasts. Biotechnologia, 2015, 1, 19-29.	0.9	10
1816	Electrically Mediated Gene Delivery: Basic and Translational Concepts., 0,,.		2
1817	Recent advances in pulsed electric field and non-thermal plasma treatments for food and biorefinery applications. Journal on Processing and Energy in Agriculture, 2017, 21, 61-65.	0.4	9
1818	Texosome-based drug delivery system for cancer therapy: from past to present. Cancer Biology and Medicine, 2015, 12, 150-62.	3.0	22
1819	Development of multifunctional nanopipettes for controlled intracellular delivery and single-entity detection. Faraday Discussions, 2021, 233, 315-335.	3.2	2
1820	Gene Therapy in Inherited Retinal Diseases: An Update on Current State of the Art. Frontiers in Medicine, 2021, 8, 750586.	2.6	33
1821	Gene Therapy "Made in Germany― A Historical Perspective, Analysis of the Status Quo, and Recommendations for Action by the German Society for Gene Therapy. Human Gene Therapy, 2021, 32, 987-996.	2.7	3
1822	Transient Expression in Mammalian Cells : Applications and Perspectives. Cell Engineering, 2000, , 211-218.	0.4	0

#	Article	IF	CITATIONS
1823	Lebergentherapie: Aktueller Stand und Ausblick. , 2001, , 391-459.		0
1824	Genetic engineering of dendritic cells. , 2001, , 609-cp1.		2
1825	Nonviral Gene Transfer into the Skin. , 2001, , 53-65.		0
1826	Gene Transfer Strategies in Tissue Repair. , 2001, , 117-137.		3
1829	Nichtpflanzliche biogene Wirkstoffe. , 2002, , 137-235.		0
1830	Gene Transfer into Eukaryotic Cells. , 2002, , 135-153.		2
1833	Methoden der Genýbertragung. , 2003, , 542-590.		0
1835	Stimulation of Reparative Dentin Formation by Ex Vivo Gene Therapy Using Dental Pulp Stem Cells Electrotransfected with Growth/differentiation factor 11 (Gdf 11). Human Gene Therapy, 2004, .	2.7	0
1838	In VivoElectroporation for Gene Therapy. Human Gene Therapy, 2006, .	2.7	1
1842	In Planta Transformation of Pisum sativum L. Using Microinjection and Electroporation. , 2008, , 217-225.		0
1843	Analysis of Mechanisms Involved in Gene Electrotransfer - Theoretical and an in Vitro Study. IFMBE Proceedings, 2009, , 158-161.	0.3	0
1844	Electrochemotherapy in Treatment of Cutaneous Tumors. , 2010, , 143-150.		0
1847	Irreversible Electroporation (IRE) on Liver Tumor Ablation: A Summary of Preclinical Translational Research., 2011,, 219-230.		0
1848	Electroporation-Mediated DNA Vaccination. , 2011, , 203-215.		0
1849	Gene Electrotransfer to Muscle Tissue: Moving into Clinical Use. , 2011, , 177-188.		0
1850	Study on Antitumor Effect of Bleomycin by Electrochemotherapy using Electric Pulses on the Squamous Cell Carcinoma. Journal of Hard Tissue Biology, 2011, 20, 319-326.	0.4	O
1852	Transfektion von Sägerzellen. , 2012, , 351-383.		0
1853	Technologies of Drug Delivery System for Nephrology. Drug Delivery System, 2012, 27, 257-266.	0.0	1

#	Article	IF	CITATIONS
1854	Blood Cells as Carriers for Magnetically Targeted Delivery of Drugs. , 2012, , 387-418.		O
1856	Strategies for Delivering Molecular Beacons into Cells. , 2013, , 139-152.		0
1857	Electroporation-Based Gene Transfer. , 2014, , 781-791.		0
1858	Focal Therapy for Prostate Cancer Using Irreversible Electroporation. , 2014, , 235-241.		O
1860	Intramuscular DNA Vaccination Protocols Mediated by Electric Fields. Methods in Molecular Biology, 2014, 1121, 315-324.	0.9	1
1861	Microfluidic Cell Electroporation. , 2014, , 1-10.		0
1862	Gene Electrotransfer for Clinical Use. , 2014, , 939-943.		0
1863	Amplification and Molecular Cloning of Transfected Genes. , 1985, , 383-395.		0
1864	Gentransfer in eukaryotische Zellen. , 1985, , 159-176.		0
1865	Electromagnetic Field Effects on Cell Membranes and Cell Metabolism. , 1985, , 227-241.		1
1866	DNA-Mediated Tranformation of Lymphoid Cells. , 1985, , 21-29.		1
1867	Detection of Proteins Produced by Recombinant DNA Techniques. , 1986, , 315-343.		0
1868	Genetic Engineering of Animals. , 1986, 37, 7-13.		1
1869	Direct Alteration of a Gene in the Human Genome. , 1986, , 92-97.		0
1870	Expression of Transfected Genes. , 1986, , 223-241.		3
1871	Plant Microinjection Techniques., 1987,, 199-227.		2
1872	The Transformation of New Genetic Material into Pluripotential Embryonic Cells Grown In Vitro and Their Incorporation into Chimaeric Animals., 1987,, 172-179.		1
1873	CELL FUSION IN ELECTRIC FIELD IN THE PRODUCTION OF MONOCLONAL ANTIBODIES AGAINST SOLUBLE AND CELLULAR POLYPEPTIDE ANTIGENS., 1987,, 407-409.		0

#	Article	IF	CITATIONS
1874	Human globin gene promoter sequences are sufficient for specific expression of a hybrid gene transfected into tissue culture cells. Molecular and Cellular Biology, 1987, 7, 398-402.	2.3	34
1875	Efficient Creation of Transgenic Sheep: The Challenge for the Cell Biologist. , 1988, , 479-488.		0
1876	Mammalian Expression Vectors. , 1988, 10, 467-492.		2
1877	Topics of Bioelectrochemistry Extended by Electromagnetic Field Effects. , 1988, , 79-88.		1
1878	Electroconformational Coupling and the Effects of Static and Dynamic Electric Fields on Membrane Transport., 1988,, 59-74.		0
1879	Fate of Foreign DNA Introduced to Plant Cells. , 1989, , 145-157.		1
1880	Stability of the transformants obtained by phage particle-mediated gene transfer Cell Structure and Function, 1989, 14, 495-499.	1.1	2
1881	Direct DNA transfer to protoplasts with and without electroporation. , 1989, , 1-16.		2
1882	Genetic Enzyme Deficiencies and the Blood-Brain Barrier. , 1989, , 307-339.		0
1883	External Electric Field-Induced Transmembrane Potentials in Biological Systems. , 1989, , 409-431.		0
1884	ELECTRIC PULSE-MEDIATED GENE TRANSFER IN MAMMALIAN CELLS. , 1989, , 81-95.		0
1885	Generating Immortalized Immunoglobulin-secreting Human Lymphocytes by Recombinant DNA Technology. , 1989, , 71-88.		2
1886	Gene Transfer by Electroporation. , 1989, , 71-74.		0
1887	Retroviral-Mediated Gene Transfer. , 1989, , 155-182.		1
1888	Gene Transfer Methods for Studying the Regulation and Expression of Neuropeptide Genes. , 1989, , 19-35.		0
1889	Direct Gene Transfer and Gene Rescue in Sugarbeet Protoplasts. Current Plant Science and Biotechnology in Agriculture, 1990, , 355-380.	0.0	1
1890	Herstellung von Hybridomen. , 1990, , 139-222.		0
1891	Micropropagation, Tissue Culture, and Genetic Transformation of Actinorhizal Plants and Betula. , 1990, , 215-238.		4

#	ARTICLE	IF	CITATIONS
1892	Transformation and regeneration of oilseed rape protoplasts., 1991,, 277-300.		1
1893	Techniques for Chromosomal Transformation. Current Plant Science and Biotechnology in Agriculture, 1991, , 69-78.	0.0	O
1894	Delivery of Macromolecules into Cells Expressing a Viral Membrane Fusion Protein., 1991,, 109-130.		0
1895	Transfection by Electroporation. Current Protocols in Molecular Biology, 1991, 14, 9.3.1-9.3.4.	2.9	1
1896	Mechanisms of Electroporation and Electrofusion. , 1992, , 119-138.		0
1897	Large Volume Cell Electropermeabilization and Electrofusion by a Flow Process. , 1992, , 449-466.		2
1898	Protocols of Electroporation and Electrofusion for Producing Human Hybridomas., 1992,, 507-522.		0
1899	Membrane Electroconformational Changes: Progress in Theoretical Modelling of Electroporation and of Protein Protrusion Alteration. , 1992, , 477-496.		0
1900	Transformation of E.Coli by Electroporation and Expression of Lac Z Gene., 1992,, 497-498.		0
1901	Transformation in Sugar Beet (Beta vulgaris L.). Biotechnology in Agriculture and Forestry, 1993, , 147-169.	0.2	0
1902	INTRODUCTION OF DNA INTO MAMMALIAN CELLS. , 1994, , 13-23.		0
1903	Electroporation-Mediated DNA Transfer to Tobacco Protoplasts for Transient Gene Expression Assays. , 1994, , 67-71.		0
1904	Gene Transfer Technology: Alternative Techniques and Applications. , 1994, , 177-219.		0
1905	Application of Electroporation in Recombinant DNA Technology. , 1995, , 467-484.		0
1906	Gentechnologie., 1996,, 454-477.		0
1907	Methoden der Genýbertragung. , 1997, , 197-241.		2
1908	Basics and Applications of Gene Transfer in Animal Cells and Tissues for Production and Therapeutics Journal of Mammalian Ova Research, 1998, 15, 1-16.	0.1	0
1909	Biomedical Applications of Short, Intense Electric Pulses. , 1999, , 33-36.		0

#	Article	IF	CITATIONS
1910	Gene Therapy for Cancer: Prospects for the Treatment of Lung Tumours., 1999,, 183-201.		0
1912	Optimum electrical conditions for electrochemotherapy against rat tongue carcinoma Nihon Koku Geka Gakkai Zasshi, 1999, 45, 80-87.	0.0	O
1914	The Conversion from Classical Studies in Fungal Pathogenesis to the Molecular Era., 0,, 49-P1.		0
1915	Editing Cultured Human Cells: From Cell Lines to iPS Cells. , 2015, , 45-69.		1
1916	Emerging Energies for Focal Ablation of Prostate Cancer. , 2015, , 191-198.		0
1917	Microfluidic Cell Electroporation. , 2015, , 1874-1882.		1
1918	The Effect of Micro-Pulsatile Electrical and Ultrasound Stimulation on Cellular Biosynthetic Activities Such as Cellular Proliferation, Endogenous Nitrogen Oxide and Collagen Synthesis. Journal of Cosmetics Dermatological Sciences and Applications, 2016, 06, 41-47.	0.2	1
1920	Effects of Heterogeneous Membranes and Electrolytes on Electropore Formation. , 2016, , 1-22.		0
1921	Polyelectrolyte Complexes: Nucleic Acid Targeting. , 0, , 6158-6164.		0
1922	Delivery Technologies. , 2016, , 233-258.		0
1923	Introduction to Molecular Computation. Advances in Computational Intelligence and Robotics Book Series, 2016, , 719-743.	0.4	0
1924	Lipid Electropore Lifetime in Molecular Models. , 2016, , 1-19.		O
1926	Gene Transfer to the Skin by Physical Methods of Delivery. , 2017, , 463-484.		0
1927	Principles of Electroporation for Gene Therapy. , 2017, , 1563-1577.		0
1928	Electrochemotherapy and Its Clinical Applications. , 2017, , 1-16.		0
1929	Pulsed Electric Fields Treatment in Food Technology: Challenges and Opportunities. , 2017, , 1-24.		O
1930	ASSESSMENT TO EFFECTIVENESS OF THE NEW EARLYÂSTREAMER EMISSION LIGHTNING PROTECTION SYSTEM. International Journal on Smart Sensing and Intelligent Systems, 2017, 10, 108-123.	0.7	44
1931	Effect of Pulsed Electric Fields on Structure and Membrane Transport of DNA and RNA Polynucleotides., 2017,, 1-22.		0

#	Article	IF	Citations
1932	Realistic Electric Field Mapping of Anisotropic Muscle During Electrical Stimulation Using a Combination of Water Diffusion Tensor and Electrical Conductivity. International Neurourology Journal, 2017, 21, S32-38.	1.2	2
1933	Bacterial Electrotransformation: An Interface Between Technology and Art. , 2018, , 1-20.		0
1935	Combination of electroporation delivered metabolic modulators with low-dose chemotherapy in osteosarcoma. Oncotarget, 2018, 9, 31473-31489.	1.8	1
1937	ELECTROTRANSFER/ELECTROPORATION FOR NON-VIRAL NUCLEIC ACID DELIVERY., 2019, , 281-301.		0
1938	Soft Electroporation Through 3D Hollow Nanoelectrodes. Methods in Molecular Biology, 2020, 2050, 13-19.	0.9	1
1940	Conductivity change with needle electrode during high frequency irreversible electroporation: a finite element study. Polish Journal of Medical Physics and Engineering, 2019, 25, 237-242.	0.6	4
1942	A Review of Brain-Targeted Nonviral Gene-Based Therapies for the Treatment of Alzheimer's Disease. Molecular Pharmaceutics, 2021, 18, 4237-4255.	4.6	5
1943	Transdermal Delivery of Macromolecules Using Two-in-One Nanocomposite Device for Skin Electroporation. Pharmaceutics, 2021, 13, 1805.	4.5	8
1945	Ablation of Hepatocellular Carcinoma. , 2020, , 673-678.		0
1946	Development of an Irreversible Electroporation (IRE) Device for Vesicle Ablation., 2020,,.		1
1947	A Subnanosecond Pulsed Electric Field System for Studying Cells Electropermeabilization. IEEE Transactions on Plasma Science, 2020, 48, 4242-4249.	1.3	7
1948	Dise $ ilde{A}\pm o$ y construcci $ ilde{A}^3$ n de un equipo estimulador de campo el $ ilde{A}$ ©ctrico tipo capacitivo para estimulaci $ ilde{A}^3$ n celular. Revista EIA, 2020, 17, 1-11.	0.1	0
1949	Mechanistic studies of gene delivery into mammalian cells by electrical short-circuiting via an aqueous droplet in dielectric oil. PLoS ONE, 2020, 15, e0243361.	2.5	2
1950	Implantable Cisplatin Synthesis Microdevice for Regional Chemotherapy. Advanced Healthcare Materials, 2021, 10, e2001582.	7.6	13
1951	Transformation Techniques and Molecular Analysis of Transgenic Rice., 2020,, 221-245.		0
1954	Revisiting the role of pulsed electric fields in overcoming the barriers to in vivo gene electrotransfer. Bioelectrochemistry, 2022, 144, 107994.	4.6	20
1955	Regeneration and control of human fibroblast cell density by intermittently delivered pulsed electric fields. Biotechnology and Bioengineering, 2013, , n/a-n/a.	3.3	2
1956	Practical Application of Microelectroporation into Developing Mouse Brain., 2009,, 153-167.		1

#	Article	IF	CITATIONS
1957	Gene Transfer. , 1996, , 669-673.		0
1958	Systemic Electroporation – Combining Electric Pulses with Bioactive Agents. , 2007, , 18-21.		0
1959	Open the Pores: Electroporation for the Transformation of Trichoderma reesei. Methods in Molecular Biology, 2021, 2234, 73-78.	0.9	1
1960	Gene transfer method for transient gene expression, stable transformation, and cotransformation of suspension cell cultures. Molecular and Cellular Biology, 1985, 5, 1188-1190.	2.3	18
1961	Use of electroporation to introduce biologically active foreign genes into primary rat hepatocytes. Molecular and Cellular Biology, 1986, 6, 716-718.	2.3	28
1962	Strontium Phosphate Transfection of Human Cells in Primary Culture: Stable Expression of the Simian Virus 40 Large-T-Antigen Gene in Primary Human Bronchial Epithelial Cells. Molecular and Cellular Biology, 1987, 7, 2031-2034.	2.3	35
1963	Alpha-Cell-Specific Expression of the Glucagon Gene Is Conferred to the Glucagon Promoter Element by the Interactions of DNA-Binding Proteins. Molecular and Cellular Biology, 1988, 8, 4877-4888.	2.3	55
1964	Expression of T-cell Receptor Alpha-Chain Genes in Transgenic Mice. Molecular and Cellular Biology, 1988, 8, 5459-5469.	2.3	19
1966	Simulations of Membrane Effects of Cells After Exposure to Ultrashort Pulses. Series in Bioengineering, 2021, , 77-108.	0.6	1
1967	Effects of usEPs on Plasma Membranesâ€"Pores, Channels, and Repair. Series in Bioengineering, 2021, , 33-75.	0.6	1
1969	Pulsed electric fields., 2022,, 71-106.		1
1970	A smartphone-based electroporation system with highly robust and low-voltage silicon nanopillar chips. Biosensors and Bioelectronics, 2022, 197, 113776.	10.1	2
1971	Fully Integrated Self-Powered Electrical Stimulation Cell Culture Dish for Noncontact High-Efficiency Plasmid Transfection. ACS Applied Materials & Samp; Interfaces, 2021, 13, 54762-54769.	8.0	6
1972	Insecticide Resistant Natural Enemies and their Role in IPM. International Journal of Current Microbiology and Applied Sciences, 2020, 9, 3676-3693.	0.1	0
1974	PoET: automated approach for measuring pore edge tension in giant unilamellar vesicles. Bioinformatics Advances, 2021, 1 , .	2.4	13
1975	A review on bioelectrical effects of cellular organelles by high voltage nanosecond pulsed electric fields. Wuli Xuebao/Acta Physica Sinica, 2022, 71, 068701.	0.5	2
1976	Gene Therapy for Acute Respiratory Distress Syndrome. Frontiers in Physiology, 2021, 12, 786255.	2.8	4
1977	Effect of mRNA Delivery Modality and Formulation on Cutaneous mRNA Distribution and Downstream eGFP Expression. Pharmaceutics, 2022, 14, 151.	4.5	1

#	Article	IF	CITATIONS
1978	Electroporation: An Effective Method For In Vivo Gene Delivery. Drug Delivery Letters, 2022, 12, .	0.5	0
1979	The Phenomenon of Electroporation. Food Engineering Series, 2022, , 107-141.	0.7	5
1980	Irreversible Electroporation: An Emerging Immunomodulatory Therapy on Solid Tumors. Frontiers in Immunology, 2021, 12, 811726.	4.8	24
1981	Radio Signals from Live Cells: The Coming of Age of In-Cell Solution NMR. Chemical Reviews, 2022, 122, 9267-9306.	47.7	42
1983	Gene delivery in adherent and suspension cells using the combined physical methods. Cytotechnology, 2022, 74, 245-257.	1.6	2
1984	RPE based gene and cell therapy for inherited retinal diseases: A review. Experimental Eye Research, 2022, 217, 108961.	2.6	4
1985	The Axolotl's journey to the modern molecular era. Current Topics in Developmental Biology, 2022, 147, 631-658.	2.2	7
1986	Emerging investigator series: linking nanoparticle infiltration and stomatal dynamics for plant nanobionics. Environmental Science: Nano, 2022, 9, 1236-1246.	4.3	4
1987	Gene Therapy of Chronic Limb-Threatening Ischemia: Vascular Medical Perspectives. Journal of Clinical Medicine, 2022, 11, 1282.	2.4	7
1988	Influence of Electroporation Medium on Delivery of Cell-Impermeable Small Molecules by Electrical Short-Circuiting via an Aqueous Droplet in Dielectric Oil: A Comparison of Different Fluorescent Tracers. Sensors, 2022, 22, 2494.	3.8	2
1989	Nanoscaleâ€ŧipped wire array injections transfer DNA directly into brain cells <i>ex vivo</i> and <i>in vivo</i> . FEBS Open Bio, 2022, 12, 835-851.	2.3	1
1990	Non-viral siRNA delivery to T cells: Challenges and opportunities in cancer immunotherapy. Biomaterials, 2022, 286, 121510.	11.4	11
1991	A universal, multimodal cell-based biosensing platform for optimal intracellular action potential recording. Biosensors and Bioelectronics, 2022, 206, 114122.	10.1	6
1992	Cardiac impact of high-frequency irreversible electroporation using an asymmetrical waveform on liver in vivo. BMC Cardiovascular Disorders, 2021, 21, 581.	1.7	2
1993	Laser Machined Fiber-Based Microprobe: Application in Microscale Electroporation. Advanced Fiber Materials, 2022, 4, 859-872.	16.1	8
1994	Electroporation and Electrochemotherapy in Gynecological and Breast Cancer Treatment. Molecules, 2022, 27, 2476.	3.8	6
1995	Light triggered nanoscale biolistics for efficient intracellular delivery of functional macromolecules in mammalian cells. Nature Communications, 2022, 13, 1996.	12.8	10
2002	Delivery of Ribozymes and Antisense DNA Molecules into Mammalian Cells. , 0, , 41-71.		O

#	Article	IF	CITATIONS
2003	Gene transfer by electroporation in betulaceae protoplasts: Alnus incana. Plant Cell Reports, 1988, 7, 367-370.	5.6	30
2004	An improved method for electroporation in plant protoplasts: infection of tobacco protoplasts by tobacco mosaic virus particles. Plant Cell Reports, 1987, 6, 90-93.	5.6	20
2006	High-Throughput Microfluidics Platform for Intracellular Delivery and Sampling of Biomolecules from Live Cells. ACS Nano, 2022, 16, 7937-7946.	14.6	10
2007	CORP: Gene delivery into murine skeletal muscle using in vivo electroporation. Journal of Applied Physiology, 2022, 133, 41-59.	2.5	4
2008	Approaches and materials for endocytosis-independent intracellular delivery of proteins. Biomaterials, 2022, 286, 121567.	11.4	19
2009	In Utero Electroporation for Manipulation of Specific Neuronal Populations. Membranes, 2022, 12, 513.	3.0	3
2010	Research Progress of Cell Transfection Technology. Pharmacy Information, 2022, 11, 224-227.	0.0	0
2011	The Effect of Contact Pressure on Ex-vivo Measurements of the Conductivity of Liver. , 2022, , .		1
2012	Genetic Engineering: An Optimism for Sustainable Biofuel Production. Clean Energy Production Technologies, 2022, , 133-153.	0.5	1
2013	Nanosecond Pulsed Electric Field (nsPEF): Opening the Biotechnological Pandora's Box. International Journal of Molecular Sciences, 2022, 23, 6158.	4.1	17
2015	Poly(I:C) transfection induces a pro-inflammatory cascade in murine mammary carcinoma and fibrosarcoma cells. RNA Biology, 2022, 19, 841-851.	3.1	4
2016	Electroporation and Immunotherapyâ€"Unleashing the Abscopal Effect. Cancers, 2022, 14, 2876.	3.7	24
2017	Recent Advances in Microscale Electroporation. Chemical Reviews, 2022, 122, 11247-11286.	47.7	22
2018	Transforming growth factor \hat{l}^21 -enriched secretome up-regulate osteogenic differentiation of dental pulp stem cells, and a potential therapeutic for gingival wound healing: A comparative proteomics study. Journal of Dentistry, 2022, 124, 104224.	4.1	1
2019	Recent Advances in the Molecular Design and Delivery Technology of mRNA for Vaccination Against Infectious Diseases. Frontiers in Immunology, 0, 13, .	4.8	7
2020	Appraisal for the Potential of Viral and Nonviral Vectors in Gene Therapy: A Review. Genes, 2022, 13, 1370.	2.4	31
2021	In Vivo and Ex Vivo Gene Electrotransfer in Ophthalmological Disorders. Biomedicines, 2022, 10, 1889.	3.2	3
2022	Application of nanotechnology in CAR-T-cell immunotherapy. Chinese Chemical Letters, 2023, 34, 107747.	9.0	5

#	Article	IF	Citations
2023	High-Intensity Pulsed Electromagnetic Field-Mediated Gene Electrotransfection In Vitro. International Journal of Molecular Sciences, 2022, 23, 9543.	4.1	3
2024	Electrical based cancer therapy for solid tumours - Theranostics approach. Biosensors and Bioelectronics: X, 2022, 11, 100214.	1.7	1
2025	Does the shape of the electric pulse matter in electroporation?. Frontiers in Oncology, 0, 12, .	2.8	7
2026	Potential of Chitosan-Based Nanocomposites for Biomedical Application in Gene Therapy. , 2022, , 121-144.		0
2027	Electrochemotherapy: An Alternative Strategy for Improving Therapy in Drug-Resistant SOLID Tumors. Cancers, 2022, 14, 4341.	3.7	6
2028	Plasmid DNA for Therapeutic Applications in Cancer. Pharmaceutics, 2022, 14, 1861.	4.5	13
2029	Effect of Pulsed-Field and Radiofrequency Ablation on Heterogeneous Ventricular Scar in a Swine Model of Healed Myocardial Infarction. Circulation: Arrhythmia and Electrophysiology, 2022, 15, .	4.8	19
2030	The distinguishing electrical properties of cancer cells. Physics of Life Reviews, 2022, 43, 139-188.	2.8	9
2031	CRISPR/Cas9 Nano-delivery Approaches for Targeted Gene Therapy. Nanotechnology in the Life Sciences, 2022, , 27-64.	0.6	0
2032	Systemic Optimization of Gene Electrotransfer Protocol Using Hard-to-Transfect UT-7 Cell Line as a Model. Biomedicines, 2022, 10, 2687.	3.2	0
2033	Irreversible electroporation and electrochemotherapy in oncology: State of the art. Diagnostic and Interventional Imaging, 2022, 103, 499-509.	3.2	20
2034	Advances of Electroporation-Related Therapies and the Synergy with Immunotherapy in Cancer Treatment. Vaccines, 2022, 10, 1942.	4.4	7
2035	Current strategies employed in the manipulation of gene expression for clinical purposes. Journal of Translational Medicine, 2022, 20, .	4.4	12
2037	Effect of Experimental Electrical and Biological Parameters on Gene Transfer by Electroporation: A Systematic Review and Meta-Analysis. Pharmaceutics, 2022, 14, 2700.	4.5	4
2038	Electricityâ€Assisted Cancer Therapy: From Traditional Clinic Applications to Emerging Methods Integrated with Nanotechnologies. Advanced NanoBiomed Research, 2023, 3, .	3.6	8
2039	Nanomaterial-mediated photoporation for intracellular delivery. Acta Biomaterialia, 2023, 157, 24-48.	8.3	7
2040	Cutting Edge: Proteasome Involvement in the Degradation of Unassembled Ig Light Chains. Journal of Immunology, 1999, 163, 11-14.	0.8	114
2041	An RpoN-dependent PEP-CTERM gene is involved in floc formation of an Aquincola tertiaricarbonis strain. BMC Microbiology, 2023, 23, .	3.3	O

#	Article	IF	CITATIONS
2042	Polymerizationâ€Induced Selfâ€Assembly: An Emerging Tool for Generating Polymerâ€Based Biohybrid Nanostructures. Small, 2023, 19, .	10.0	9
2043	The Influence of Calcium Ions on the Electrotransfer Efficiency of Plasmid DNA and Cell Viability. Applied Sciences (Switzerland), 2023, 13, 1983.	2.5	2
2044	Nanotechnology for DNA and RNA delivery. , 2023, , 81-111.		1
2045	Engineering high post-electroporation viabilities and transfection efficiencies for elongated cells on suspended nanofiber networks. Bioelectrochemistry, 2023, 152, 108415.	4.6	2
2046	Recent Advancements in Electroporation Technologies: From Bench to Clinic. Annual Review of Biomedical Engineering, 2023, 25, 77-100.	12.3	11
2047	Gene Electrotransfer Efficiency in 2D and 3D Cancer Cell Models Using Different Electroporation Protocols: A Comparative Study. Pharmaceutics, 2023, 15, 1004.	4.5	4
2048	Pearls and Pitfalls of Pulsed Field Ablation. Korean Circulation Journal, 2023, 53, 273.	1.9	9
2049	Enhanced Drug Uptake on Application of Electroporation in a Single-Cell Model. Journal of Membrane Biology, 2023, 256, 243-255.	2.1	1
2050	An Overview of Subnanosecond Pulsed Electric Field Biological Effects: Toward Contactless Technologies for Cancer Treatment. Bioelectricity, 2023, 5, 76-98.	1.1	1
2051	Pushing the Limits with Nanoknife®: A Promising New Technology in Localised Prostate Cancer Management. European Medical Journal Allergy & Immunology, 0, , 90-102.	0.0	O
2052	Advances in the Application of Pulsed Field Ablation for Arrhythmia Treatment. Cardiovascular Innovations and Applications, 2023, 8, .	0.3	0
2054	Research progress of electrically-enhanced membrane bioreactor (EMBR) in pollutants removal and membrane fouling alleviation. Chemosphere, 2023, 331, 138791.	8.2	6
2055	Spatiotemporal estimations of temperature rise during electroporation treatments using a deep neural network. Computers in Biology and Medicine, 2023, 161, 107019.	7.0	1
2056	Biomaterialâ€based gene therapy. MedComm, 2023, 4, .	7.2	11
2057	Review of Developments in Bioelectrics as an Application of Pulsed Power Technology. IEEE Transactions on Plasma Science, 2023, 51, 1682-1717.	1.3	3
2058	Continuous microfluidic flow-through protocol for selective and image-activated electroporation of single cells. RSC Advances, 2023, 13, 19379-19387.	3.6	O
2059	Microalgae as biofuel: current perspectives and technological progress. , 2023, , 121-160.		0
2060	Influence of DNA characteristics on cell membrane damage stimulated by electrical short-circuiting via a low-conductive aqueous droplet in dielectric oil. PLoS ONE, 2023, 18, e0285444.	2.5	O

#	Article	IF	CITATIONS
2061	The Dawn of a New Era: Targeting the "Undruggables―with Antibody-Based Therapeutics. Chemical Reviews, 2023, 123, 7782-7853.	47.7	13
2062	Pulsed Electric Fields in Oncology: A Snapshot of Current Clinical Practices and Research Directions from the 4th World Congress of Electroporation. Cancers, 2023, 15, 3340.	3.7	3
2063	Generation and measurement of low-temperature plasma for cancer therapy: a historical review. Free Radical Research, 2023, 57, 239-270.	3.3	4
2064	Novel Vectors and Administrations for mRNA Delivery. Small, 2023, 19, .	10.0	3
2065	Physical characteristics and stability profile of recombinant plasmid DNA within a film matrix. European Journal of Pharmaceutics and Biopharmaceutics, 2023, 190, 270-283.	4.3	0
2066	Revitalizing Cytokineâ€Based Cancer Immunotherapy through Advanced Delivery Systems. Macromolecular Bioscience, 2023, 23, .	4.1	0
2067	Functional genomic and transformation resources for commercially important red macroalgae (Rhodophyta). Algal Research, 2023, 74, 103227.	4.6	1
2068	Intense nano-pulse stimulation-induced dynamic changes in vesicle trafficking visualized by super-resolution fluorescence microscopy. Applied Physics Letters, 2023, 123, .	3.3	0
2069	Electroporation combined with intelligent drug delivery promising new and clean approach to cancer treatment. Results in Engineering, 2023, 19, 101379.	5.1	1
2070	A Brief Sketch of the History of EMB: Where Good Ideas Come From. Studies in Mechanobiology, Tissue Engineering and Biomaterials, 2023, , 67-98.	1.0	0
2072	The Dawn of In Vivo Gene Editing Era: A Revolution in the Making. Biologics, 2023, 3, 253-295.	4.1	1
2074	Nanotechnology-based drug delivery strategies for cancer therapy. Chinese Science Bulletin, 2023, 68, 4346-4372.	0.7	2
2075	Characterizing reversible, irreversible, and calcium electroporation to generate a burst-dependent dynamic conductivity curve. Bioelectrochemistry, 2024, 155, 108580.	4.6	1
2076	Susceptibility of various human cancer cell lines to nanosecond and microsecond range electrochemotherapy: Feasibility of multi-drug cocktails. International Journal of Pharmaceutics, 2023, 646, 123485.	5.2	1
2078	Near-infrared photoimmunotherapy and anti-cancer immunity. International Immunology, 2024, 36, 57-64.	4.0	0
2079	Rapid estimation of electroporation-dependent tissue properties in canine lung tumors using a deep neural network. Biosensors and Bioelectronics, 2024, 244, 115777.	10.1	0
2080	Electroporation-based CRISPR gene editing in adult buffalo fibroblast cells. Animal Biotechnology, 2023, 34, 5055-5066.	1.5	1
2081	Electroacoustic tomography for real-time visualization of electrical field dynamics in deep tissue during electroporation., 2023, 2, .		2

#	ARTICLE	IF	CITATIONS
2082	Electroporation-Based Drug Delivery. Studies in Mechanobiology, Tissue Engineering and Biomaterials, 2023, , 89-104.	1.0	0
2083	Agrobacterial Transformation Enhancement by Improved Competent Cell Preparation and Optimized Electroporation. Life, 2023, 13, 2217.	2.4	O
2084	Condition optimization for electroporation transfection in horse skeletal muscle satellite cells. Animal Biotechnology, 2024, 35, .	1.5	0
2086	Study of Appropriate Condition of Nanosecond Pulsed Electric Fields for Induction of Unfolded Protein Response Using GFP-Expressing Cell. , 2023, , .		O
2087	EFFECT OF AN ELECTRIC BIAS ON THE ANTIBACTERIAL PROPERTIES OF AGâ€GQD NANOCOMPOSITES. FASEB Journal, 2017, 31, .	0.5	0
2088	Nanosecond pulsed electric fields increase antibiotic susceptibility in methicillin-resistant <i>Staphylococcus aureus</i> . Microbiology Spectrum, 0, , .	3.0	O
2089	The use of electroporation to deliver DNA-based vaccines. Expert Review of Vaccines, 2024, 23, 102-123.	4.4	2
2090	Therapeutic perspectives of high pulse repetition rate electroporation. Bioelectrochemistry, 2024, 156, 108629.	4.6	O
2091	Genetic Transformation in Medicinal Plants. , 2023, , 128-139.		0
2092	Potential of electric field in liquid foods processing Comment on "Advances in pulsed electric stimuli as a physical method for treating liquid foods―by F. Zare, N. Ghasemi, N. Bansal & H. Hosano. Physics of Life Reviews, 2024, 48, 109-110.	2.8	O
2093	Irreversible electroporation as a focal therapy for localized prostate cancer: A systematic review. Indian Journal of Urology, 2024, 40, 6-16.	0.6	0
2094	mRNAâ€based chimeric antigen receptor T cell therapy: Basic principles, recent advances and future directions. , 2024, 2, .		O
2095	Expanding CAR-T cell immunotherapy horizons through microfluidics. Lab on A Chip, 2024, 24, 1088-1120.	6.0	0
2096	Opportunities and Challenges in Catheter-Based Irreversible Electroporation for Ventricular Tachycardia. Pathophysiology, 2024, 31, 32-43.	2.2	1
2097	DNA-Based Nonviral Gene Therapy─Challenging but Promising. Molecular Pharmaceutics, 2024, 21, 427-453.	4.6	0
2098	\tilde{A} ‡ok ama \tilde{A} §l \ddot{A} ± bir \tilde{A} ½niversal y \tilde{A} ½ksek gerilim inkubat \tilde{A} ¶r \tilde{A} ½ tasar \ddot{A} ±m \ddot{A} ± ve uygulamas \ddot{A} ±. Journal of the Facul Engineering and Architecture of Gazi University, 0, , .	ty.of 	0
2099	Tissue Nanotransfection Silicon Chip and Related Electroporation-Based Technologies for In Vivo Tissue Reprogramming. Nanomaterials, 2024, 14, 217.	4.1	0
2100	Detrimental impact of cell phone radiation on sperm DNA integrity. Clinical and Experimental Reproductive Medicine, 2024, 51, 13-19.	1.5	O

#	Article	IF	Citations
2101	Advancements in transdermal drug delivery: A comprehensive review of physical penetration enhancement techniques. International Journal of Pharmaceutics, 2024, 652, 123856.	5.2	0
2102	Learning Before Burning: Mapping With Reversible Pulsed Field Ablation. Circulation: Arrhythmia and Electrophysiology, 2024, 17, .	4.8	0
2103	Bridging Smart Nanosystems with Clinically Relevant Models and Advanced Imaging for Precision Drug Delivery. Advanced Science, 2024, 11 , .	11.2	0
2104	Pulsed Field Mapping of VentricularÂTachycardia. JACC: Clinical Electrophysiology, 2024, 10, 630-636.	3.2	0
2105	Self-powered electroporation technologies based on triboelectric nanogenerators. Nano Energy, 2024, 123, 109354.	16.0	0
2106	Fibroblasts transfection by electroporation in 3D reconstructed human dermal tissue. Bioelectrochemistry, 2024, 157, 108670.	4.6	0
2107	Non-viral delivery of RNA for therapeutic T cell engineering. Advanced Drug Delivery Reviews, 2024, 208, 115215.	13.7	0
2108	Recent advancements in Nanotechnology-Mediated Platinum-Based cancer therapy. Coordination Chemistry Reviews, 2024, 508, 215796.	18.8	0