

# justin Teissie

## List of Publications by Year in descending order

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363  
papers

15,802  
citations

15504

65  
h-index

22166

113  
g-index

373  
all docs

373  
docs citations

373  
times ranked

8869  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanisms of cell membrane electropermeabilization: A minireview of our present (lack of ?) knowledge. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2005, 1724, 270-280.	2.4	496
2	Basic fibroblast growth factor enters the nucleolus and stimulates the transcription of ribosomal genes in ABAE cells undergoing G0→G1 transition.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1987, 84, 6770-6774.	7.1	417
3	Effective treatment of cutaneous and subcutaneous malignant tumours by electrochemotherapy. <i>British Journal of Cancer</i> , 1998, 77, 2336-2342.	6.4	414
4	In vivo electrically mediated protein and gene transfer in murine melanoma. <i>Nature Biotechnology</i> , 1998, 16, 168-171.	17.5	393
5	Direct visualization at the single-cell level of electrically mediated gene delivery. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 1292-1297.	7.1	379
6	Electropermeabilization of mammalian cells. Quantitative analysis of the phenomenon. <i>Biophysical Journal</i> , 1990, 58, 1089-1098.	0.5	367
7	An experimental evaluation of the critical potential difference inducing cell membrane electropermeabilization. <i>Biophysical Journal</i> , 1993, 65, 409-413.	0.5	331
8	Ionization of phospholipids and phospholipid-supported interfacial lateral diffusion of protons in membrane model systems. <i>BBA - Biomembranes</i> , 1990, 1031, 111-142.	8.0	322
9	Electric field induced transient pores in phospholipid bilayer vesicles. <i>Biochemistry</i> , 1981, 20, 1548-1554.	2.5	300
10	Electropermeabilization of Mammalian Cells to Macromolecules: Control by Pulse Duration. <i>Biophysical Journal</i> , 1998, 75, 1415-1423.	0.5	295
11	What is (Still not) Known of the Mechanism by Which Electroporation Mediates Gene Transfer and Expression in Cells and Tissues. <i>Molecular Biotechnology</i> , 2009, 41, 286-295.	2.4	231
12	Control by pulse parameters of electric field-mediated gene transfer in mammalian cells. <i>Biophysical Journal</i> , 1994, 66, 524-531.	0.5	214
13	Effect of electric field induced transmembrane potential on spheroidal cells: theory and experiment. <i>European Biophysics Journal</i> , 2003, 32, 519-528.	2.2	197
14	Electropermeabilization of cell membranes. <i>Advanced Drug Delivery Reviews</i> , 1999, 35, 3-19.	13.7	196
15	Recommendations guidelines on the key information to be reported in studies of application of PEF technology in food and biotechnological processes. <i>Innovative Food Science and Emerging Technologies</i> , 2016, 37, 312-321.	5.6	194
16	Direct observation in the millisecond time range of fluorescent molecule asymmetrical interaction with the electropermeabilized cell membrane. <i>Biophysical Journal</i> , 1997, 73, 2630-2637.	0.5	193
17	Control of Lipid Membrane Stability by Cholesterol Content. <i>Biophysical Journal</i> , 1999, 76, 2072-2080.	0.5	192
18	Sphingosine Kinase-1 as a Chemotherapy Sensor in Prostate Adenocarcinoma Cell and Mouse Models. <i>Cancer Research</i> , 2005, 65, 11667-11675.	0.9	183

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19	Metal swap between Zn7-metallothionein-3 and amyloid- $\beta$ Cu protects against amyloid- $\beta$ toxicity. <i>Nature Chemical Biology</i> , 2008, 4, 366-372.	8.0	181
20	Energy-efficient biomass processing with pulsed electric fields for bioeconomy and sustainable development. <i>Biotechnology for Biofuels</i> , 2016, 9, 94.	6.2	179
21	Kinetics of Transmembrane Transport of Small Molecules into Electroporated Cells. <i>Biophysical Journal</i> , 2008, 95, 2837-2848.	0.5	160
22	Lateral proton conduction at lipid-water interfaces and its implications for the chemiosmotic-coupling hypothesis. <i>Nature</i> , 1986, 322, 756-758.	27.8	154
23	Electric pulse-induced fusion of 3T3 cells in monolayer culture. <i>Science</i> , 1982, 216, 537-538.	12.6	146
24	Time Courses of Mammalian Cell Electroporation Observed by Millisecond Imaging of Membrane Property Changes during the Pulse. <i>Biophysical Journal</i> , 1999, 76, 2158-2165.	0.5	145
25	Efficiency of High- and Low-Voltage Pulse Combinations for Gene Electrotransfer in Muscle, Liver, Tumor, and Skin. <i>Human Gene Therapy</i> , 2008, 19, 1261-1272.	2.7	145
26	Generation of reactive-oxygen species induced by electroporation of Chinese hamster ovary cells and their consequence on cell viability. <i>FEBS Journal</i> , 1994, 223, 25-33.	0.2	137
27	FTY720 (Fingolimod) Sensitizes Prostate Cancer Cells to Radiotherapy by Inhibition of Sphingosine Kinase-1. <i>Cancer Research</i> , 2010, 70, 8651-8661.	0.9	134
28	Electrochemotherapy of tumors as in situ vaccination boosted by immunogene electrotransfer. <i>Cancer Immunology, Immunotherapy</i> , 2015, 64, 1315-1327.	4.2	134
29	Fusion of mammalian cells in culture is obtained by creating the contact between cells after their electroporation. <i>Biochemical and Biophysical Research Communications</i> , 1986, 140, 258-266.	2.1	133
30	Evidence for conduction of protons along the interface between water and a polar lipid monolayer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1985, 82, 3217-3221.	7.1	130
31	Biomedical applications of electric pulses with special emphasis on antitumor electrochemotherapy. <i>Bioelectrochemistry</i> , 1995, 38, 203-207.	1.0	126
32	Control by Osmotic Pressure of Voltage-Induced Permeabilization and Gene Transfer in Mammalian Cells. <i>Biophysical Journal</i> , 1998, 74, 3015-3022.	0.5	126
33	Phosphorus-31 NMR analysis of membrane phospholipid organization in viable, reversibly electroporated Chinese hamster ovary cells. <i>Biochemistry</i> , 1988, 27, 1222-1228.	2.5	122
34	Evidence of voltage-induced channel opening in Na/K ATPase of human erythrocyte membrane. <i>Journal of Membrane Biology</i> , 1980, 55, 133-140.	2.1	119
35	High Efficiency Transformation of Intact Yeast Cells by Electric Field Pulses. <i>Nature Biotechnology</i> , 1990, 8, 223-227.	17.5	119
36	Direct visualization at the single-cell level of siRNA electrotransfer into cancer cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 10443-10447.	7.1	117

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37	Electric field-responsive nanoparticles and electric fields: physical, chemical, biological mechanisms and therapeutic prospects. <i>Advanced Drug Delivery Reviews</i> , 2019, 138, 56-67.	13.7	113
38	Chemosensitizing effects of sphingosine kinase-1 inhibition in prostate cancer cell and animal models. <i>Molecular Cancer Therapeutics</i> , 2008, 7, 1836-1845.	4.1	110
39	Electrochemotherapy of cutaneous metastases in malignant melanoma. <i>Melanoma Research</i> , 2000, 10, 468-474.	1.2	108
40	Electrochemotherapy in Veterinary Oncology. <i>Journal of Veterinary Internal Medicine</i> , 2008, 22, 826-831.	1.6	107
41	Ionic-strength modulation of electrically induced permeabilization and associated fusion of mammalian cells. <i>FEBS Journal</i> , 1989, 179, 109-115.	0.2	106
42	Electro-mediated gene transfer and expression are controlled by the lifetime of DNA/membrane complex formation. <i>Journal of Gene Medicine</i> , 2010, 12, 117-125.	2.8	104
43	Inhibition of gene expression in mice muscle by in vivo electrically mediated siRNA delivery. <i>Gene Therapy</i> , 2005, 12, 246-251.	4.5	99
44	High yield electroextraction of proteins from yeast by a flow process. <i>Analytical Biochemistry</i> , 2003, 315, 77-84.	2.4	94
45	In vivo gene silencing in solid tumors by targeted electrically mediated siRNA delivery. <i>Gene Therapy</i> , 2007, 14, 752-759.	4.5	94
46	In vitro and in vivo electric field-mediated permeabilization, gene transfer, and expression. <i>Methods</i> , 2004, 33, 126-135.	3.8	92
47	Electropermeabilization of dense cell suspensions. <i>European Biophysics Journal</i> , 2007, 36, 173-185.	2.2	92
48	Control of electric field induced cell membrane permeabilization by membrane order. <i>Biochemistry</i> , 1990, 29, 2960-2966.	2.5	90
49	Electrically-Assisted Nucleic Acids Delivery to Tissues In Vivo: Where Do We Stand?. <i>Current Pharmaceutical Design</i> , 2006, 12, 3817-25.	1.9	88
50	Flow Process for Electroextraction of Total Proteins from Microalgae. <i>Journal of Membrane Biology</i> , 2013, 246, 751-760.	2.1	88
51	Experimental evidence for the involvement of the cytoskeleton in mammalian cell electropermeabilization. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1992, 1111, 45-50.	2.6	86
52	Effect of electric field vectoriality on electrically mediated gene delivery in mammalian cells. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2004, 1665, 92-100.	2.6	86
53	Reversible plasma membrane ultrastructural changes correlated with electropermeabilization in Chinese hamster ovary cells. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1988, 939, 247-259.	2.6	84
54	Synthesis of adenosine triphosphate in respiration-inhibited submitochondrial particles induced by microsecond electric pulses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1981, 78, 7473-7477.	7.1	82

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55	Control by electrical parameters of short- and long-term cell death resulting from electropermeabilization of Chinese hamster ovary cells. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 1995, 1266, 171-178.	4.1	82
56	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. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1999, 1461, 123-134.	2.6	81
57	Electromediated formation of DNA complexes with cell membranes and its consequences for gene delivery. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2011, 1808, 1538-1543.	2.6	79
58	Successful treatment of equine sarcoids with cisplatin electrochemotherapy: A retrospective study of 48 cases. <i>Equine Veterinary Journal</i> , 2012, 44, 214-220.	1.7	79
59	Manipulation of Cell Cytoskeleton Affects the Lifetime of Cell Membrane Electropermeabilization. <i>Annals of the New York Academy of Sciences</i> , 1994, 720, 98-110.	3.8	74
60	Recent biotechnological developments of electropulsation. A prospective review. <i>Bioelectrochemistry</i> , 2002, 55, 107-112.	4.6	74
61	A Comparative Study on the Effects of Millisecond- and Microsecond-Pulsed Electric Field Treatments on the Permeabilization and Extraction of Pigments from <i>Chlorella vulgaris</i> . <i>Journal of Membrane Biology</i> , 2015, 248, 883-891.	2.1	73
62	Hospicells (ascites-derived stromal cells) promote tumorigenicity and angiogenesis. <i>International Journal of Cancer</i> , 2010, 126, 2090-2101.	5.1	70
63	Optimization of protein electroextraction from microalgae by a flow process. <i>Bioelectrochemistry</i> , 2015, 103, 74-81.	4.6	70
64	Temperature effects on electrotransfection of mammalian cells. <i>Nucleic Acids Research</i> , 1994, 22, 540-540.	14.5	68
65	Long-Lived Macropinocytosis Takes Place in Electropermeabilized Mammalian Cells. <i>Biochemical and Biophysical Research Communications</i> , 1995, 208, 26-35.	2.1	68
66	Specific electropermeabilization of leucocytes in a blood sample and application to large volumes of cells. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1990, 1028, 154-160.	2.6	67
67	Cell synchronization effect on mammalian cell permeabilization and gene delivery by electric field. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2002, 1563, 23-28.	2.6	67
68	Antitumor drug delivery in multicellular spheroids by electropermeabilization. <i>Journal of Controlled Release</i> , 2013, 167, 138-147.	9.9	67
69	Control by ATP and ADP of voltage-induced mammalian-cell-membrane permeabilization, gene transfer and resulting expression. <i>FEBS Journal</i> , 1998, 254, 382-388.	0.2	66
70	Gene Transfer: How Can the Biological Barriers Be Overcome?. <i>Journal of Membrane Biology</i> , 2010, 236, 61-74.	2.1	66
71	The sphingosine kinase-1 survival pathway is a molecular target for the tumor-suppressive tea and wine polyphenols in prostate cancer. <i>FASEB Journal</i> , 2010, 24, 3882-3894.	0.5	66
72	Modulation of electrically induced permeabilization and fusion of Chinese hamster ovary cells by osmotic pressure. <i>Biochemistry</i> , 1990, 29, 4561-4567.	2.5	63

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73	Electrofusion. <i>Experimental Cell Research</i> , 1984, 150, 477-482.	2.6	62
74	Minicircle DNA electrotransfer for efficient tissue-targeted gene delivery. <i>Gene Therapy</i> , 2013, 20, 62-68.	4.5	62
75	Non invasive contact electrodes for in vivo localized cutaneous electropulsation and associated drug and nucleic acid delivery. <i>Journal of Controlled Release</i> , 2009, 134, 125-131.	9.9	61
76	Intravital microscopy at the single vessel level brings new insights of vascular modification mechanisms induced by electropermeabilization. <i>Journal of Controlled Release</i> , 2012, 163, 396-403.	9.9	61
77	Interaction of cytochrome c with phospholipid monolayers. Orientation and penetration of protein as functions of the packing density of film, nature of the phospholipids, and ionic content of the aqueous phase. <i>Biochemistry</i> , 1981, 20, 1554-1560.	2.5	59
78	Chinese hamster ovary cells sensitivity to localized electrical stresses. <i>Bioelectrochemistry</i> , 1999, 48, 17-25.	1.0	59
79	Control by pulse parameters of DNA electrotransfer into solid tumors in mice. <i>Gene Therapy</i> , 2009, 16, 635-644.	4.5	59
80	Electric field mediated transformation: Isolation and characterization of a TK+ subclone. <i>Biochemical and Biophysical Research Communications</i> , 1985, 129, 611-618.	2.1	58
81	Lateral proton conduction at a lipid/water interface. Effect of lipid nature and ionic content of the aqueous phase. <i>FEBS Journal</i> , 1987, 162, 379-385.	0.2	58
82	Correlation between Electric Field Pulse Induced Long-Lived Permeabilization and Fusogenicity in Cell Membranes. <i>Biophysical Journal</i> , 1998, 74, 1889-1898.	0.5	57
83	Glycophorin A Protects K562 Cells from Natural Killer Cell Attack. <i>Journal of Biological Chemistry</i> , 1995, 270, 26970-26975.	3.4	56
84	Electropermeabilization of Intact Maize Cells Induces an Oxidative Stress. <i>FEBS Journal</i> , 1996, 238, 737-743.	0.2	56
85	Electrochemotherapy of horses. A preliminary clinical report. <i>Bioelectrochemistry</i> , 2002, 55, 101-105.	4.6	56
86	Electroporator with automatic change of electric field direction improves gene electrotransfer in-vitro. <i>BioMedical Engineering OnLine</i> , 2007, 6, 25.	2.7	55
87	Induction of calcium-dependent, localized cortical granule breakdown in sea-urchin eggs by voltage pulsation. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 1983, 763, 346-355.	4.1	54
88	Fast kinetics studies of Escherichia coli electrotransformation. <i>FEBS Journal</i> , 1992, 209, 431-436.	0.2	53
89	New insights in the visualization of membrane permeabilization and DNA/membrane interaction of cells submitted to electric pulses. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2005, 1724, 248-254.	2.4	53
90	A Fluorescence Approach of the Determination of Translational Diffusion Coefficients of Lipids in Phospholipid Monolayer at the Air-Water Interface. <i>FEBS Journal</i> , 1978, 83, 77-85.	0.2	52

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91	Ionic modulation of electrically induced fusion of mammalian cells. <i>Journal of Membrane Biology</i> , 1985, 86, 247-253.	2.1	52
92	In vivo restoration of RhoB expression leads to ovarian tumor regression. <i>Cancer Gene Therapy</i> , 2008, 15, 456-464.	4.6	52
93	Highly efficient transfection of mammalian cells by electric field pulses. Application to large volumes of cell culture by using a flow system. <i>FEBS Journal</i> , 1992, 206, 115-121.	0.2	51
94	Sphingosine Kinase-1 Is Central to Androgen-Regulated Prostate Cancer Growth and Survival. <i>PLoS ONE</i> , 2009, 4, e8048.	2.5	48
95	Evidence that Pulsed Electric Field Treatment Enhances the Cell Wall Porosity of Yeast Cells. <i>Applied Biochemistry and Biotechnology</i> , 2014, 172, 1540-1552.	2.9	47
96	Tumor cells educate mesenchymal stromal cells to release chemoprotective and immunomodulatory factors. <i>Journal of Molecular Cell Biology</i> , 2020, 12, 202-215.	3.3	47
97	Lateral proton conduction in monolayers of phospholipids from extreme halophiles. <i>Biochemistry</i> , 1990, 29, 59-65.	2.5	46
98	Electric field mediated loading of macromolecules in intact yeast cells is critically controlled at the wall level. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1995, 1240, 229-236.	2.6	46
99	Retroactive pathway involving mitochondria in electroloaded cytochrome c-induced apoptosis. <i>Experimental Cell Research</i> , 2003, 289, 195-210.	2.6	46
100	A 3D in vitro spheroid model as a way to study the mechanisms of electroporation. <i>International Journal of Pharmaceutics</i> , 2009, 379, 278-284.	5.2	46
101	A novel antiangiogenic and vascular normalization therapy targeted against human CD160 receptor. <i>Journal of Experimental Medicine</i> , 2011, 208, 973-986.	8.5	46
102	Hyaluronidase and Collagenase Increase the Transfection Efficiency of Gene Electrotransfer in Various Murine Tumors. <i>Human Gene Therapy</i> , 2012, 23, 128-137.	2.7	46
103	Elimination of free-living amoebae in fresh water with pulsed electric fields. <i>Water Research</i> , 2002, 36, 3429-3438.	11.3	45
104	Recommendations and requirements for reporting on applications of electric pulse delivery for electroporation of biological samples. <i>Bioelectrochemistry</i> , 2018, 122, 69-76.	4.6	45
105	Lateral proton conduction at a lipid/water interface. Its modulation by physical parameters. Experimental and mathematical approaches. <i>FEBS Journal</i> , 1985, 149, 663-668.	0.2	44
106	Proton long-range migration along protein monolayers and its consequences on membrane coupling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1996, 93, 14521-14525.	7.1	44
107	Anti-Cancer Potential of Two Plasma-Activated Liquids: Implication of Long-Lived Reactive Oxygen and Nitrogen Species. <i>Cancers</i> , 2020, 12, 721.	3.7	43
108	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. <i>Journal of Membrane Biology</i> , 2012, 245, 545-554.	2.1	42

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109	Finite-element modeling of needle electrodes in tissue from the perspective of frequent model computation. <i>IEEE Transactions on Biomedical Engineering</i> , 2003, 50, 1221-1232.	4.2	41
110	Time dependence of electric field effects on cell membranes. A review for a critical selection of pulse duration for therapeutical applications. <i>Radiology and Oncology</i> , 2008, 42, .	1.7	41
111	Increased permeability of blood vessels after reversible electroporation is facilitated by alterations in endothelial cell-to-cell junctions. <i>Journal of Controlled Release</i> , 2018, 276, 30-41.	9.9	41
112	Adenosine 5'-triphosphate synthesis in <i>Escherichia coli</i> submitted to a microsecond electric pulse. <i>Biochemistry</i> , 1986, 25, 368-373.	2.5	40
113	Elucidation of in vitro cellular steps induced by antitumor treatment with plasma-activated medium. <i>Scientific Reports</i> , 2019, 9, 4866.	3.3	40
114	Electrofusion of spermine-treated plant protoplasts. <i>FEBS Letters</i> , 1984, 173, 331-336.	2.8	39
115	Nanosecond Electric Pulse Effects on Gene Expression. <i>Journal of Membrane Biology</i> , 2013, 246, 851-859.	2.1	39
116	Cytoskeletal reorganization during electric-field-induced fusion of Chinese hamster ovary cells grown in monolayers. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1989, 981, 295-302.	2.6	38
117	Cell and Animal Imaging of Electrically Mediated Gene Transfer. <i>DNA and Cell Biology</i> , 2003, 22, 777-783.	1.9	38
118	Inactivation of <i>Bacillus subtilis</i> var. <i>niger</i> of both spore and vegetative forms by means of corona discharges applied in water. <i>Water Research</i> , 2013, 47, 1381-1389.	11.3	38
119	Direct experimental evidence of the vectorial character of the interaction between electric pulses and cells in cell electrofusion. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1984, 775, 446-448.	2.6	37
120	Pulsed Electric Field Treatment Enhances the Cytotoxicity of Plasma-Activated Liquids in a Three-Dimensional Human Colorectal Cancer Cell Model. <i>Scientific Reports</i> , 2019, 9, 7583.	3.3	37
121	External electric fields stimulate the electrogenic calcium/sodium exchange in plant protoplasts. <i>Biochemistry</i> , 1990, 29, 8313-8318.	2.5	36
122	Neutralizing S1P inhibits intratumoral hypoxia, induces vascular remodelling and sensitizes to chemotherapy in prostate cancer. <i>Oncotarget</i> , 2015, 6, 13803-13821.	1.8	35
123	Effect of serum on in vitro electrically mediated gene delivery and expression in mammalian cells. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2000, 1467, 362-368.	2.6	34
124	Osmotically induced membrane tension facilitates the triggering of living cell electropermeabilization. <i>Bioelectrochemistry</i> , 2004, 63, 327-332.	4.6	33
125	Electrotransformation pathways of procaryotic and eucaryotic cells: recent developments. <i>Bioelectrochemistry</i> , 1997, 44, 103-110.	1.0	32
126	Control by membrane order of voltage-induced permeabilization, loading and gene transfer in mammalian cells. <i>Bioelectrochemistry</i> , 2001, 53, 25-34.	4.6	32



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127	Giant lipid vesicles under electric field pulses assessed by non invasive imaging. <i>Bioelectrochemistry</i> , 2012, 87, 253-259.	4.6	32
128	Ovarian ascites-derived Hospicells promote angiogenesis via activation of macrophages. <i>Cancer Letters</i> , 2012, 326, 59-68.	7.2	32
129	Introduction of Specific Carbohydrates into <i>Eucalyptus gunnii</i> Cells Increases their Freezing Tolerance. <i>FEBS Journal</i> , 1995, 229, 710-717.	0.2	32
130	Insights into the mechanisms of electromediated gene delivery and application to the loading of giant vesicles with negatively charged macromolecules. <i>Soft Matter</i> , 2011, 7, 3872.	2.7	31
131	Drug delivery by electropulsation: Recent developments in oncology. <i>International Journal of Pharmaceutics</i> , 2012, 423, 3-6.	5.2	31
132	Membrane disorder and phospholipid scrambling in electropermeabilized and viable cells. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2014, 1838, 1701-1709.	2.6	31
133	Spatial Compartmentation and Time Resolution of Photooxidation of a Cell Membrane Probe in Electropermeabilized Chinese Hamster Ovary Cells. <i>FEBS Journal</i> , 1995, 228, 710-718.	0.2	31
134	Optimized conditions for electrotransformation of bacteria are related to the extent of electropermeabilization. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 1991, 1088, 135-138.	2.4	30
135	Electrofusion: A biophysical modification of cell membrane and a mechanism in exocytosis. <i>Biochimie</i> , 2000, 82, 511-518.	2.6	30
136	Optical imaging of in vivo gene expression: a critical assessment of the methodology and associated technologies. <i>Gene Therapy</i> , 2004, 11, S85-S91.	4.5	30
137	LNA-based Oligonucleotide Electrotransfer for miRNA Inhibition. <i>Molecular Therapy</i> , 2012, 20, 1590-1598.	8.2	30
138	Electroinduced extraction of $\beta$ -galactosidase from <i>Kluyveromyces lactis</i> . <i>Applied Microbiology and Biotechnology</i> , 2001, 56, 411-413.	3.6	29
139	Observations of the Mechanisms of Electromediated DNA Uptake - From Vesicles to Tissues. <i>Current Gene Therapy</i> , 2010, 10, 256-266.	2.0	29
140	Flow process for electroextraction of intracellular enzymes from the fission yeast, <i>Schizosaccharomyces pombe</i> . <i>Biotechnology Letters</i> , 2004, 26, 933-937.	2.2	28
141	<i>E. coli</i> electroeradication on a closed loop circuit by using milli-, micro- and nanosecond pulsed electric fields: Comparison between energy costs. <i>Bioelectrochemistry</i> , 2015, 103, 65-73.	4.6	28
142	Viable somatic hybrids are obtained by direct current electrofusion of chemically aggregated plant protoplasts. <i>FEBS Letters</i> , 1986, 196, 79-86.	2.8	27
143	Transient and stable electrotransformations of intact black Mexican sweet maize cells are obtained after preplasmolysis. <i>Plant Cell Reports</i> , 1996, 15, 924-928.	5.6	26
144	Electrooptics Studies of <i>Escherichia coli</i> Electropulsation: Orientation, Permeabilization, and Gene Transfer. <i>Biophysical Journal</i> , 1998, 75, 2587-2596.	0.5	26

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145	Muscle gene electrotransfer is increased by the antioxidant tempol in mice. <i>Gene Therapy</i> , 2012, 19, 312-320.	4.5	26
146	Electric Field-Assisted Delivery of Photofrin to Human Breast Carcinoma Cells. <i>Journal of Membrane Biology</i> , 2013, 246, 725-735.	2.1	25
147	Effect of nanosecond pulsed electric field on <i>Escherichia coli</i> in water: inactivation and impact on protein changes. <i>Journal of Applied Microbiology</i> , 2014, 117, 721-728.	3.1	25
148	Millisecond duration pulses for flow-through electro-induced protein extraction from <i>E. coli</i> and associated eradication. <i>Bioelectrochemistry</i> , 2015, 103, 82-91.	4.6	25
149	Targeted electro-delivery of oligonucleotides for RNA interference: siRNA and anti-miR. <i>Advanced Drug Delivery Reviews</i> , 2015, 81, 161-168.	13.7	25
150	A new mechanism for efficient hydrocarbon electro-extraction from <i>Botryococcus braunii</i> . <i>Biotechnology for Biofuels</i> , 2017, 10, 39.	6.2	25
151	Magnetic Silica-Coated Iron Oxide Nanochains as Photothermal Agents, Disrupting the Extracellular Matrix, and Eradicating Cancer Cells. <i>Cancers</i> , 2019, 11, 2040.	3.7	25
152	Fast Kinetic-Studies of Plasmid DNA Transfer in Intact Yeast Cells Mediated by Electropulsation. <i>Biochemical and Biophysical Research Communications</i> , 1995, 214, 825-832.	2.1	24
153	The Protease-Dependent Mesenchymal Migration of Tumor-Associated Macrophages as a Target in Cancer Immunotherapy. <i>Cancer Immunology Research</i> , 2018, 6, 1337-1351.	3.4	24
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