justin Teissie

List of Publications by Year
in descending order

363	15,802	15504 65	22166 113
papers	citations	h-index	g-index

373	373	373	8869
all docs	docs citations	times ranked	citing authors

#	ARTICLE	IF	CITATIONS
1	High Power Electromagnetic Waves Exposure of Healthy and Tumor Bearing Mice: Assessment of Effects on Mice Growth, Behavior, Tumor Growth, and Vessel Permeabilization. International Journal of Molecular Sciences, 2021, 22, 8516.	4.1	2
2	Transfer of small interfering RNA by electropermeabilization in tumor spheroids. Bioelectrochemistry, 2021, 141, 107848.	4.6	2
3	A nanosecond pulsed electric field (nsPEF) can affect membrane permeabilization and cellular viability in a 3D spheroids tumor model. Bioelectrochemistry, 2021, 141, 107839.	4.6	9
4	Transdermal Delivery of Macromolecules Using Two-in-One Nanocomposite Device for Skin Electroporation. Pharmaceutics, 2021, 13, 1805.	4.5	8
5	Tumor cells educate mesenchymal stromal cells to release chemoprotective and immunomodulatory factors. Journal of Molecular Cell Biology, 2020, 12, 202-215.	3.3	47
6	Cyclin B1 knockdown mediated by clinically approved pulsed electric fields siRNA delivery induces tumor regression in murine melanoma. International Journal of Pharmaceutics, 2020, 573, 118732.	5.2	3
7	Electric Field Based Therapies in Cancer Treatment. Cancers, 2020, 12, 3420.	3.7	4
8	Anti-Cancer Potential of Two Plasma-Activated Liquids: Implication of Long-Lived Reactive Oxygen and Nitrogen Species. Cancers, 2020, 12, 721.	3.7	43
9	Development of a near infrared protein nanoprobe targeting Thomsen-Friedenreich antigen for intraoperative detection of submillimeter nodules in an ovarian peritoneal carcinomatosis mouse model. Biomaterials, 2020, 241, 119908.	11.4	7
10	Electrotransformation of Saccharomyces cerevisiae. Methods in Molecular Biology, 2020, 2050, 187-193.	0.9	2
11	Electrotransfer of CpG free plasmids enhances gene expression in skin. Bioelectrochemistry, 2019, 130, 107343.	4.6	2
12	Pre-clinical investigation of the synergy effect of interleukin-12 gene-electro-transfer during partially irreversible electropermeabilization against melanoma. , 2019, 7, 161.		19
13	Electroporation-Induced Stress Response and Its Effect on Gene Electrotransfer Efficacy: In Vivo Imaging and Numerical Modeling. IEEE Transactions on Biomedical Engineering, 2019, 66, 2671-2683.	4.2	15
14	A protein nanocontainer targeting epithelial cancers: rational engineering, biochemical characterization, drug loading and cell delivery. Nanoscale, 2019, 11, 3248-3260.	5.6	6
15	Increasing Uptake of Silica Nanoparticles with Electroporation: From Cellular Characterization to Potential Applications. Materials, 2019, 12, 179.	2.9	12
16	Pulsed Electric Field Treatment Enhances the Cytotoxicity of Plasma-Activated Liquids in a Three-Dimensional Human Colorectal Cancer Cell Model. Scientific Reports, 2019, 9, 7583.	3.3	37
17	Calcium electroporation: The bioelectrochemical treatment of spontaneous equine skin tumors results in a local necrosis. Bioelectrochemistry, 2019, 129, 251-258.	4.6	14
18	Elucidation of in vitro cellular steps induced by antitumor treatment with plasma-activated medium. Scientific Reports, 2019, 9, 4866.	3.3	40

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19	Magnetic Silica-Coated Iron Oxide Nanochains as Photothermal Agents, Disrupting the Extracellular Matrix, and Eradicating Cancer Cells. Cancers, 2019, 11, 2040.	3.7	25
20	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
21	Noninvasive Gene Electrotransfer in Skin. Human Gene Therapy Methods, 2019, 30, 17-22.	2.1	4
22	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
23	Recommendations and requirements for reporting on applications of electric pulse delivery for electroporation of biological samples. Bioelectrochemistry, 2018, 122, 69-76.	4.6	45
24	Special issue on bacterial inactivation. Bioelectrochemistry, 2018, 123, 260.	4.6	0
25	Control by Low Levels of Calcium of Mammalian Cell Membrane Electropermeabilization. Journal of Membrane Biology, 2018, 251, 221-228.	2.1	21
26	Permeabilizing Phospholipid Bilayers with Non-normal Electric Fields. Journal of Membrane Biology, 2018, 251, 229-236.	2.1	3
27	Cell Membrane Electropermeabilization. , 2018, , 81-89.		0
28	Eradication of Bacteria Via Electropulsation. , 2018, , 224-234.		0
29	Safe and efficient novel approach for non-invasive gene electrotransfer to skin. Scientific Reports, 2018, 8, 16833.	3.3	17
30	A journey from the endothelium to the tumor tissue: distinct behavior between PEO-PCL micelles and polymersomes nanocarriers. Drug Delivery, 2018, 25, 1766-1778.	5.7	14
31	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
32	The Protease-Dependent Mesenchymal Migration of Tumor-Associated Macrophages as a Target in Cancer Immunotherapy. Cancer Immunology Research, 2018, 6, 1337-1351.	3.4	24
33	High power electromagnetic pulse applicators for evaluation of biological effects induced by electromagnetic radiation waves. RSC Advances, 2018, 8, 16319-16329.	3.6	3
34	Spatio-temporal dynamics of calcium electrotransfer during cell membrane permeabilization. Drug Delivery and Translational Research, 2018, 8, 1152-1161.	5.8	9
35	Induced shock waves in PEF (pulsed electric field) treatment. Physics of Life Reviews, 2018, 26-27, 39-42.	2.8	1
36	A new mechanism for efficient hydrocarbon electro-extraction from Botryococcus braunii. Biotechnology for Biofuels, 2017, 10, 39.	6.2	25

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37	Nucleic Acid Electrotransfer in Mammalian Cells: Mechanistic Description. , 2017, , 323-336.		1
38	Mechanistic Description of Membrane Electropermeabilization. , 2017, , 451-472.		2
39	Involvement of Reactive Oxygen Species in Membrane Electropermeabilization. , 2017, , 473-487.		0
40	Critical Electric Field and Transmembrane Voltage for Lipid Pore Formation in Experiments. , 2017, , 25-43.		4
41	Phospholipid Head Group Dipoles and Electropore Formation. , 2017, , 45-59.		0
42	Membrane Permeabilization Lifetime in Experiments. , 2017, , 61-75.		2
43	A Hydrogel/Carbonâ€Nanotube Needleâ€Free Device for Electrostimulated Skin Drug Delivery. ChemPhysChem, 2017, 18, 2715-2723.	2.1	21
44	Environmental Applications, Food and Biomass Processing by Pulsed Electric Fields. , 2017, , 389-476.		9
45	Biological Responses. , 2017, , 155-274.		3
46	Medical Applications. , 2017, , 275-388.		2
47	Involvement of Reactive Oxygen Species in Membrane Electropermeabilization. , 2017, , 1-15.		4
48	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
49	Fluorescence-guided surgery for cancer patients: a proof of concept study on human xenografts in mice and spontaneous tumors in pets. Oncotarget, 2017, 8, 109559-109574.	1.8	11
50	Phospholipid Head Group Dipoles and Electropore Formation. , 2017, , 1-16.		0
51	Membrane Permeabilization Lifetime in Experiments. , 2017, , 1-15.		0
52	Critical Electric Field and Transmembrane Voltage for Lipid Pore Formation in Experiments. , 2017, , 1-19.		0
53	Mechanistic Description of Membrane Electropermeabilization. , 2017, , 1-22.		0
54	Electrochemotherapy guided by intraoperative fluorescence imaging for the treatment of inoperable peritoneal micro-metastases. Journal of Controlled Release, 2016, 233, 81-87.	9.9	12

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55	Energy-efficient biomass processing with pulsed electric fields for bioeconomy and sustainable development. Biotechnology for Biofuels, 2016, 9, 94.	6.2	179
56	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
57	Nucleic Acid Electrotransfer in Mammalian Cells: Mechanistic Description. , 2016, , 1-14.		0
58	Membrane Lipids and Drug Transport. , 2016, , 289-308.		0
59	Recommendations guidelines on the key information to be reported in studies of application of PEF technology in food and biotechnological processes. Innovative Food Science and Emerging Technologies, 2016, 37, 312-321.	5.6	194
60	Operating Procedures of the Electrochemotherapy for Treatment of Tumor in Dogs and Cats. Journal of Visualized Experiments, 2016, , .	0.3	20
61	The Use of Pulsed Electric Fields for Protein Extraction from Nanochloropsis and Chlorella. IFMBE Proceedings, 2016, , 405-408.	0.3	2
62	Imaging of Electrotransferred siRNA. Methods in Molecular Biology, 2016, 1372, 89-97.	0.9	0
63	Millisecond duration pulses for flow-through electro-induced protein extraction from E. coli and associated eradication. Bioelectrochemistry, 2015, 103, 82-91.	4.6	25
64	Content Delivery of Lipidic Nanovesicles in Electropermeabilized Cells. Journal of Membrane Biology, 2015, 248, 849-855.	2.1	5
65	A Comparative Study on the Effects of Millisecond- and Microsecond-Pulsed Electric Field Treatments on the Permeabilization and Extraction of Pigments from Chlorella vulgaris. Journal of Membrane Biology, 2015, 248, 883-891.	2.1	73
66	E. coli electroeradication on a closed loop circuit by using milli-, micro- and nanosecond pulsed electric fields: Comparison between energy costs. Bioelectrochemistry, 2015, 103, 65-73.	4.6	28
67	Electrochemotherapy of tumors as in situ vaccination boosted by immunogene electrotransfer. Cancer Immunology, Immunotherapy, 2015, 64, 1315-1327.	4.2	134
68	Spectral degree of linear polarization of light from healthy skin and melanoma. Optics Express, 2015, 23, 13605.	3.4	7
69	Electric Destabilization of Supramolecular Lipid Vesicles Subjected to Fast Electric Pulses. Langmuir, 2015, 31, 12215-12222.	3.5	18
70	Versatile Cellular Uptake Mediated by Catanionic Vesicles: Simultaneous Spontaneous Membrane Fusion and Endocytosis. Molecular Pharmaceutics, 2015, 12, 103-110.	4.6	21
71	Targeted electro-delivery of oligonucleotides for RNA interference: siRNA and antimiR. Advanced Drug Delivery Reviews, 2015, 81, 161-168.	13.7	25
72	Optimization of protein electroextraction from microalgae by a flow process. Bioelectrochemistry, 2015, 103, 74-81.	4.6	70

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73	Neutralizing S1P inhibits intratumoral hypoxia, induces vascular remodelling and sensitizes to chemotherapy in prostate cancer. Oncotarget, 2015, 6, 13803-13821.	1.8	35
74	Abstract 5119: Mechanisms associated with blood flow modifying effects of electric pulses used for electrochemotherapy on normal and tumor blood vessels. , 2015, , .		0
75	A Double-Pulse Approach For Electrotransfection. Journal of Membrane Biology, 2014, 247, 1253-1258.	2.1	5
76	Effect of nanosecond pulsed electric field on Escherichia coli in water: inactivation and impact on protein changes. Journal of Applied Microbiology, 2014, 117, 721-728.	3.1	25
77	siRNA Delivery via Electropulsation: A Review of the Basic Processes. Methods in Molecular Biology, 2014, 1121, 81-98.	0.9	4
78	Evidence that Pulsed Electric Field Treatment Enhances the Cell Wall Porosity of Yeast Cells. Applied Biochemistry and Biotechnology, 2014, 172, 1540-1552.	2.9	47
79	Bio-Electroporation 2013 â€" New biotechnological and clinical applications. Bioelectrochemistry, 2014, 100, 1-2.	4.6	1
80	Evidence for electro-induced membrane defects assessed by lateral mobility measurement of a GPi anchored protein. European Biophysics Journal, 2014, 43, 277-286.	2.2	12
81	Shock waves associated with electric pulses affect cell electro-permeabilization. Bioelectrochemistry, 2014, 100, 36-43.	4.6	12
82	Direct Validation of Aptamers as Powerful Tools to Image Solid Tumor. Nucleic Acid Therapeutics, 2014, 24, 217-225.	3.6	15
83	Membrane disorder and phospholipid scrambling in electropermeabilized and viable cells. Biochimica Et Biophysica Acta - Biomembranes, 2014, 1838, 1701-1709.	2.6	31
84	Electropermeabilization of the Cell Membrane. , 2014, , 773-782.		4
85	Electropermeabilization of the Cell Membrane. Methods in Molecular Biology, 2014, 1121, 25-46.	0.9	23
86	Direct Imaging of siRNA Electrotransfer at the Single-Cell Level. Methods in Molecular Biology, 2014, 1121, 121-130.	0.9	2
87	Nanosecond Electric Pulse Effects on Gene Expression. Journal of Membrane Biology, 2013, 246, 851-859.	2.1	39
88	Flow Process for Electroextraction of Total Proteins from Microalgae. Journal of Membrane Biology, 2013, 246, 751-760.	2.1	88
89	Electric Field-Assisted Delivery of Photofrin to Human Breast Carcinoma Cells. Journal of Membrane Biology, 2013, 246, 725-735.	2.1	25
90	Cyanines in photodynamic reaction assisted by reversible electroporationâ€"in vitro study on human breast carcinoma cells. Photodiagnosis and Photodynamic Therapy, 2013, 10, 490-502.	2.6	13

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91	Inactivation of Bacillus subtilis var. niger of both spore and vegetative forms by means of corona discharges applied in water. Water Research, 2013, 47, 1381-1389.	11.3	38
92	Was Zeus responsible for horizontal gene transfer. Physics of Life Reviews, 2013, 10, 371-372.	2.8	1
93	Minicircle DNA electrotransfer for efficient tissue-targeted gene delivery. Gene Therapy, 2013, 20, 62-68.	4.5	62
94	Antitumor drug delivery in multicellular spheroids by electropermeabilization. Journal of Controlled Release, 2013, 167, 138-147.	9.9	67
95	Delivery of RNAi-Based Oligonucleotides by Electropermeabilization. Pharmaceuticals, 2013, 6, 510-521.	3.8	2
96	Nucleic Acids Electro-transfer: From Bench to Bedside. Current Drug Metabolism, 2013, 14, 300-308.	1.2	13
97	LNA-based Oligonucleotide Electrotransfer for miRNA Inhibition. Molecular Therapy, 2012, 20, 1590-1598.	8.2	30
98	Hyaluronidase and Collagenase Increase the Transfection Efficiency of Gene Electrotransfer in Various Murine Tumors. Human Gene Therapy, 2012, 23, 128-137.	2.7	46
99	Muscle gene electrotransfer is increased by the antioxidant tempol in mice. Gene Therapy, 2012, 19, 312-320.	4.5	26
100	New Insights in the Gene Electrotransfer Process: Evidence for the Involvement of the Plasmid DNA Topology. Current Gene Therapy, 2012, 12, 417-422.	2.0	17
101	Successful treatment of equine sarcoids with cisplatin electrochemotherapy: A retrospective study of 48 cases. Equine Veterinary Journal, 2012, 44, 214-220.	1.7	79
102	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
103	Electric Field Orientation for Gene Delivery Using High-Voltage and Low-Voltage Pulses. Journal of Membrane Biology, 2012, 245, 661-666.	2.1	13
104	Intravital microscopy at the single vessel level brings new insights of vascular modification mechanisms induced by electropermeabilization. Journal of Controlled Release, 2012, 163, 396-403.	9.9	61
105	Giant lipid vesicles under electric field pulses assessed by non invasive imaging. Bioelectrochemistry, 2012, 87, 253-259.	4.6	32
106	Ovarian ascites-derived Hospicells promote angiogenesis via activation of macrophages. Cancer Letters, 2012, 326, 59-68.	7.2	32
107	Interaction between GUVs and catanionic nanocontainers: new insight into spontaneous membrane fusion. Chemical Communications, 2012, 48, 6648.	4.1	9
108	Chemically Modified Oligonucleotideâ€"Increased Stability Negatively Correlates with Its Efficacy Despite Efficient Electrotransfer. Journal of Membrane Biology, 2012, 245, 565-571.	2.1	14

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109	Drug delivery by electropulsation: Recent developments in oncology. International Journal of Pharmaceutics, 2012, 423, 3-6.	5.2	31
110	shRNA-Mediated Gene Knockdown in Skeletal Muscle. Methods in Molecular Biology, 2012, 798, 491-501.	0.9	6
111	Insights into the mechanisms of electromediated gene delivery and application to the loading of giant vesicles with negatively charged macromolecules. Soft Matter, 2011, 7, 3872.	2.7	31
112	Electromediated formation of DNA complexes with cell membranes and its consequences for gene delivery. Biochimica Et Biophysica Acta - Biomembranes, 2011, 1808, 1538-1543.	2.6	79
113	Î±,Î²-D-Constrained Nucleic Acids Are Strong Terminators of Thermostable DNA Polymerases in Polymerase Chain Reaction. PLoS ONE, 2011, 6, e25510.	2.5	9
114	Pre-treatment of cells with pluronic L64 increases DNA transfection mediated by electrotransfer. Journal of Controlled Release, 2011, 149, 117-125.	9.9	13
115	Intraoperative fluorescence imaging of peritoneal dissemination of ovarian carcinomas. A preclinical study. Gynecologic Oncology, 2011, 122, 155-162.	1.4	23
116	Direct visualization at the single-cell level of siRNA electrotransfer into cancer cells. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 10443-10447.	7.1	117
117	A novel antiangiogenic and vascular normalization therapy targeted against human CD160 receptor. Journal of Experimental Medicine, 2011, 208, 973-986.	8.5	46
118	Hospicells (ascitesâ€derived stromal cells) promote tumorigenicity and angiogenesis. International Journal of Cancer, 2010, 126, 2090-2101.	5.1	70
119	Gene Transfer: How Can the Biological Barriers Be Overcome?. Journal of Membrane Biology, 2010, 236, 61-74.	2.1	66
120	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
121	Caspase-10-Dependent Cell Death in Fas/CD95 Signalling Is Not Abrogated by Caspase Inhibitor zVAD-fmk. PLoS ONE, 2010, 5, e13638.	2.5	16
122	R121 Ã‰lectrochimiothÃ©rapie et Ã©lectrogÃ©nothÃ©rapie sur sphÃ©roÃ¯des comme modÃ¨les de tumeurs. Bulletin Du Cancer, 2010, 97, S62.	1.6	0
123	R94: VÃ©sicules catanioniques pour la vectorisation de principes actifs anticancÃ©reux : comprÃ©hension mÃ©canistique. Bulletin Du Cancer, 2010, 97, S53.	1.6	0
124	R105: SÃ©lection dâ€™aptamÃ¨res ADN ciblant lâ€™antigÃ¨ne CA125 membranaire : utilisation en imagerie du cancer ovarien. Bulletin Du Cancer, 2010, 97, S57.	1.6	0
125	R110: Ã‰lectrotransfert de SiRNAdans les cellules tumorales in vitro et in vivo chez le petit animal : localisation cellulaire. Bulletin Du Cancer, 2010, 97, S58.	1.6	0
126	R142: ModÃ¨le de chambre dorsale pour lâ€™analyse des modifications induites par lâ€™Ã©lectropermÃ©abilisation sur les vaisseaux sanguins. Bulletin Du Cancer, 2010, 97, S72-S73.	1.6	0

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127	The sphingosine kinaseâ€1 survival pathway is a molecular target for the tumorâ€suppressive tea and wine polyphenols in prostate cancer. FASEB Journal, 2010, 24, 3882-3894.	0.5	66
128	Fluorescence imaging agents in cancerology. Radiology and Oncology, 2010, 44, 142-8.	1.7	21
129	FTY720 (Fingolimod) Sensitizes Prostate Cancer Cells to Radiotherapy by Inhibition of Sphingosine Kinase-1. Cancer Research, 2010, 70, 8651-8661.	0.9	134
130	Direct assay of electropermeabilization in a 2D pseudo tissue. Physical Chemistry Chemical Physics, 2010, 12, 14670.	2.8	3
131	Observations of the Mechanisms of Electromediated DNA Uptake - From Vesicles to Tissues. Current Gene Therapy, 2010, 10, 256-266.	2.0	29
132	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
133	Non invasive contact electrodes for in vivo localized cutaneous electropulsation and associated drug and nucleic acid delivery. Journal of Controlled Release, 2009, 134, 125-131.	9.9	61
134	Transgene expression of transfected supercoiled plasmid DNA concatemers in mammalian cells. Journal of Gene Medicine, 2009, 11, 1071-1073.	2.8	8
135	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
136	Gene electrotransfer: from biophysical mechanisms to in vivo applications. Biophysical Reviews, 2009, 1, 185-191.	3.2	2
137	Gene electrotransfer: from biophysical mechanisms to in vivo applications. Biophysical Reviews, 2009, 1, 177-184.	3.2	8
138	Control by pulse parameters of DNA electrotransfer into solid tumors in mice. Gene Therapy, 2009, 16, 635-644.	4.5	59
139	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
140	Electrodes forin vivolocalised subcutaneous electropulsation and associated drug and nucleic acid delivery. Expert Opinion on Drug Delivery, 2009, 6, 1323-1331.	5.0	2
141	Double-Pulse Approach of Electrogenotherapy: An Analysis at the Single Cell Level. IEEE Transactions on Plasma Science, 2009, 37, 538-544.	1.3	7
142	Control by Calcium of mammalian cell membrane electropermeabilization. Biophysical Journal, 2009, 96, 361a.	0.5	0
143	Targeted Gene Silencing into Solid Tumors with Electrically Mediated siRNA Delivery. Methods in Molecular Biology, 2009, 555, 15-27.	0.9	11
144	Sphingosine Kinase-1 Is Central to Androgen-Regulated Prostate Cancer Growth and Survival. PLoS ONE, 2009, 4, e8048.	2.5	48

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145	Editorial. Bioelectrochemistry, 2008, 74, 1.	4.6	1
146	In vivo restoration of RhoB expression leads to ovarian tumor regression. Cancer Gene Therapy, 2008, 15, 456-464.	4.6	52
147	Metal swap between Zn7-metallothionein-3 and amyloid-Î²â€“Cu protects against amyloid-Î² toxicity. Nature Chemical Biology, 2008, 4, 366-372.	8.0	181
148	Kinetics of Transmembrane Transport of Small Molecules into Electropermeabilized Cells. Biophysical Journal, 2008, 95, 2837-2848.	0.5	160
149	CHEMOSENSITIZING EFFECT OF SPHINGOSINE KINASE-1 INHIBITION IN PROSTATE CANCER CELL AND ANIMAL MODELS. Journal of Urology, 2008, 179, 423-424.	0.4	0
150	Electrochemotherapy in Veterinary Oncology. Journal of Veterinary Internal Medicine, 2008, 22, 826-831.	1.6	107
151	Double pulse approach of electrogenotherapy: an analysis at the single cell level. , 2008, , .		0
152	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
153	Long-lasting In vivo Gene Silencing by Electrotransfer of shRNA Expressing Plasmid. Technology in Cancer Research and Treatment, 2008, 7, 109-116.	1.9	14
154	Chemosensitizing effects of sphingosine kinase-1 inhibition in prostate cancer cell and animal models. Molecular Cancer Therapeutics, 2008, 7, 1836-1845.	4.1	110
155	Time dependence of electric field effects on cell membranes. A review for a critical selection of pulse duration for therapeutical applications. Radiology and Oncology, 2008, 42, .	1.7	41
156	Optical In Vivo Imaging of Electrically Mediated Delivery of siRNA into Muscle for Gene Function Analysis. Methods in Molecular Biology, 2008, 423, 279-287.	0.9	6
157	New anti angiogenesis developments through electro-immunization: Optimization by in vivo optical imaging of intradermal electrogenetransfer. Biochimica Et Biophysica Acta - General Subjects, 2007, 1770, 137-142.	2.4	19
158	Electroporator with automatic change of electric field direction improves gene electrotransfer in-vitro. BioMedical Engineering OnLine, 2007, 6, 25.	2.7	55
159	Long term expression of bicistronic vector driven by the FGF-1 IRES in mouse muscle. BMC Biotechnology, 2007, 7, 74.	3.3	17
160	In vivo gene silencing in solid tumors by targeted electrically mediated siRNA delivery. Gene Therapy, 2007, 14, 752-759.	4.5	94
161	Electropulsation, an biophysical delivery method for therapy. , 2007, , 618-621.		0
162	Electropermeabilization of dense cell suspensions. European Biophysics Journal, 2007, 36, 173-185.	2.2	92

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163	Biophysical effects of electric fields on membrane water interfaces: a mini review. European Biophysics Journal, 2007, 36, 967-972.	2.2	16
164	Electrochemotherapy of equids cutaneous tumors: a 57 case retrospective study 1999-2005. , 2007, , 610-613.		4
165	In vivo imaging of siRNA electrotransfer and silencing in different organs. , 2007, , 624-627.		0
166	Equine Cutaneous Tumors Treatment by Electro-chemo-immuno-geno-therapy. , 2007, , 630-630.		2
167	In vivo imaging of tumor growth after electrochemotherapy with cisplatin. Biochemical and Biophysical Research Communications, 2006, 348, 997-1002.	2.1	17
168	Giant vesicles as an efficient intermediate for 2H NMR analyses of proteoliposomes in water suspension and in oriented lipid bilayers. Comptes Rendus Chimie, 2006, 9, 401-407.	0.5	1
169	Irreversibly electropermeabilized yeast retains the capability for ATP synthesis via oxidative phosphorylation. Bioelectrochemistry, 2006, 68, 27-30.	4.6	2
170	Electrically-Assisted Nucleic Acids Delivery to Tissues In Vivo: Where Do We Stand?. Current Pharmaceutical Design, 2006, 12, 3817-25.	1.9	88
171	Electric Field-Induced Cell Membrane Permeabilization and Gene Transfer: Theory and Experiments. Engineering in Life Sciences, 2005, 5, 179-186.	3.6	22
172	Inhibition of gene expression in mice muscle by in vivo electrically mediated siRNA delivery. Gene Therapy, 2005, 12, 246-251.	4.5	99
173	Sphingosine Kinase-1 as a Chemotherapy Sensor in Prostate Adenocarcinoma Cell and Mouse Models. Cancer Research, 2005, 65, 11667-11675.	0.9	183
174	New insights in the visualization of membrane permeabilization and DNA/membrane interaction of cells submitted to electric pulses. Biochimica Et Biophysica Acta - General Subjects, 2005, 1724, 248-254.	2.4	53
175	Mechanisms of cell membrane electropermeabilization: A minireview of our present (lack of ?) knowledge. Biochimica Et Biophysica Acta - General Subjects, 2005, 1724, 270-280.	2.4	496
176	Optical imaging of in vivo gene expression: a critical assessment of the methodology and associated technologies. Gene Therapy, 2004, 11, S85-S91.	4.5	30
177	Flow process for electroextraction of intracellular enzymes from the fission yeast, Schizosaccharomyces pombe. Biotechnology Letters, 2004, 26, 933-937.	2.2	28
178	Osmotically induced membrane tension facilitates the triggering of living cell electropermeabilization. Bioelectrochemistry, 2004, 63, 327-332.	4.6	33
179	Electroinsertion and activation of the C-terminal domain of Colicin A, a voltage gated bacterial toxin, into mammalian cell membranes. Molecular Membrane Biology, 2004, 21, 237-246.	2.0	8
180	Lipid Bilayer Electropermeabilization. , 2004, , 173-203.		1

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181	Cell Membrane Electropermeabilization. , 2004, , 205-235.		2
182	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
183	In vitro and in vivo electric field-mediated permeabilization, gene transfer, and expression. Methods, 2004, 33, 126-135.	3.8	92
184	Effect of electric field induced transmembrane potential on spheroidal cells: theory and experiment. European Biophysics Journal, 2003, 32, 519-528.	2.2	197
185	Finite-element modeling of needle electrodes in tissue from the perspective of frequent model computation. IEEE Transactions on Biomedical Engineering, 2003, 50, 1221-1232.	4.2	41
186	High yield electroextraction of proteins from yeast by a flow process. Analytical Biochemistry, 2003, 315, 77-84.	2.4	94
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