Masa Kanduser

List of Publications by Year
in descending order

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33 papers	1,517 citations	304743 22 h-index	377865 34 g-index
35 all docs	35 docs citations	35 times ranked	1233 citing authors

#	Article	IF	Citations
1	The Effect of Lipid Antioxidant Î±-Tocopherol on Cell Viability and Electrofusion Yield of B16-F1 Cells In Vitro. Journal of Membrane Biology, 2019, 252, 105-114.	2.1	5
2	Modular Serial Flow Through device for pulsed electric field treatment of the liquid samples. Scientific Reports, 2017, 7, 8115.	3.3	22
3	New Insights into the Mechanisms of Gene Electrotransfer â€“ Experimental and Theoretical Analysis. Scientific Reports, 2015, 5, 9132.	3.3	41
4	Modified Adherence Method (MAM) for Electrofusion of Anchorage-Dependent Cells. Methods in Molecular Biology, 2015, 1313, 203-216.	0.9	1
5	Cell electrofusion: past and future perspectives for antibody production and cancer cell vaccines. Expert Opinion on Drug Delivery, 2014, 11, 1885-1898.	5.0	30
6	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
7	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
8	Electrofusion of B16-F1 and CHO cells: The comparison of the pulse first and contact first protocols. Bioelectrochemistry, 2013, 89, 34-41.	4.6	21
9	Cell electrofusion using nanosecond electric pulses. Scientific Reports, 2013, 3, 3382.	3.3	110
10	The Systematic Study of the Electroporation and Electrofusion of B16-F1 and CHO Cells in Isotonic and Hypotonic Buffer. Journal of Membrane Biology, 2012, 245, 583-590.	2.1	23
11	Combination of Microsecond and Nanosecond Pulsed Electric Field Treatments for Inactivation of Escherichia coli in Water Samples. Journal of Membrane Biology, 2012, 245, 643-650.	2.1	38
12	Gene Electrotransfer. Behavior Research Methods, 2012, 15, 77-104.	4.0	5
13	The role of electrically stimulated endocytosis in gene electrotransfer. Bioelectrochemistry, 2012, 83, 38-45.	4.6	18
14	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
15	Pipette tip with integrated electrodes for gene electrotransfer of cells in suspension: a feasibility study in CHO cells. Radiology and Oncology, 2011, 45, 204-8.	1.7	6
16	Cellâ€“Cell Electrofusion: Optimization of Electric Field Amplitude and Hypotonic Treatment for Mouse Melanoma (B16-F1) and Chinese Hamster Ovary (CHO) Cells. Journal of Membrane Biology, 2010, 236, 107-116.	2.1	49
17	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
18	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

#	Article	IF	Citations
19	Cell size dynamics and viability of cells exposed to hypotonic treatment and electroporation for electrofusion optimization. Radiology and Oncology, 2009, 43, .	1.7	33
20	Electroporation in Biological Cell and Tissue: An Overview. Food Engineering Series, 2009, , 1-37.	0.7	35
21	Mechanisms involved in gene electrotransfer using high- and low-voltage pulses â€" An in vitro study. Bioelectrochemistry, 2009, 74, 265-271.	4.6	110
22	Optimization of bulk cell electrofusion in vitro for production of humanâ€"mouse heterohybridoma cells. Bioelectrochemistry, 2008, 74, 124-129.	4.6	32
23	The temperature effect during pulse application on cell membrane fluidity and permeabilization. Bioelectrochemistry, 2008, 74, 52-57.	4.6	75
24	Electroporator with automatic change of electric field direction improves gene electrotransfer in-vitro. BioMedical Engineering OnLine, 2007, 6, 25.	2.7	55
25	Combined therapy of the antimetastatic compound NAMI-A and electroporation on B16F1 tumour cells in vitro. Bioelectrochemistry, 2007, 71, 113-117.	4.6	15
26	Coalescence of phospholipid membranes as a possible origin of anticoagulant effect of serum proteins. Chemistry and Physics of Lipids, 2007, 150, 49-57.	3.2	43
27	Cell membrane fluidity related to electroporation and resealing. European Biophysics Journal, 2006, 35, 196-204.	2.2	68
28	Effect of Cell Electroporation on the Conductivity of a Cell Suspension. Biophysical Journal, 2005, 88, 4378-4390.	0.5	248
29	Shape and Size of Giant Unilamellar Phospholipid Vesicles Containing Cardiolipin. Journal of Chemical Information and Modeling, 2005, 45, 1676-1679.	5.4	15
30	Shape transformation and burst of giant POPC unilamellar liposomes modulated by non-ionic detergent C12E8. Chemistry and Physics of Lipids, 2003, 125, 123-138.	3.2	27
31	Effect of surfactant polyoxyethylene glycol (C12E8) on electroporation of cell line DC3F. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2003, 214, 205-217.	4.7	33
32	The influence of medium conductivity on electropermeabilization and survival of cells in vitro. Bioelectrochemistry, 2001, 54, 107-115.	4.6	132
33	Model-based automated detection of mammalian cell colonies. Physics in Medicine and Biology, 2001, 46, 3061-3072.	3.0	29