

# Marie-pierre Rols

## List of Publications by Year in descending order

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131  
papers

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81900

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88630

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docs citations

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times ranked

4073  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | In vivo electrically mediated protein and gene transfer in murine melanoma. <i>Nature Biotechnology</i> , 1998, 16, 168-171.  | 17.5 | 393       |
| 2  | 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       |
| 3  | Electropermeabilization of Mammalian Cells to Macromolecules: Control by Pulse Duration. <i>Biophysical Journal</i> , 1998, 75, 1415-1423.  | 0.5  | 295       |
| 4  | 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       |
| 5  | 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       |
| 6  | Gene Electrotransfer: A Mechanistic Perspective. <i>Current Gene Therapy</i> , 2016, 16, 98-129.  | 2.0  | 168       |
| 7  | Cell wall as a target for bacteria inactivation by pulsed electric fields. <i>Scientific Reports</i> , 2016, 6, 19778.  | 3.3  | 146       |
| 8  | 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       |
| 9  | Electropermeabilization, a physical method for the delivery of therapeutic molecules into cells. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2006, 1758, 423-428.                         | 2.6  | 126       |
| 10 | 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       |
| 11 | Ionic-strength modulation of electrically induced permeabilization and associated fusion of mammalian cells. <i>FEBS Journal</i> , 1989, 179, 109-115.  | 0.2  | 106       |
| 12 | 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       |
| 13 | Electrotransfer as a Non Viral Method of Gene Delivery. <i>Current Gene Therapy</i> , 2007, 7, 67-77.   | 2.0  | 97        |
| 14 | Calcium Electroporation: Evidence for Differential Effects in Normal and Malignant Cell Lines, Evaluated in a 3D Spheroid Model. <i>PLoS ONE</i> , 2015, 10, e0144028.                              | 2.5  | 88        |
| 15 | 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        |
| 16 | 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        |
| 17 | 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        |
| 18 | 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        |

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|----|--|------|-----------|
| 19 | EFFICIENCY OF HIGH AND LOW VOLTAGE PULSE COMBINATIONS FOR GENE ELECTROTRANSFER IN MUSCLE, LIVER, TUMOR AND SKIN. <i>Human Gene Therapy</i> , 2008, 19, 081015093227032.  | 2.7  | 74        |
| 20 | 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        |
| 21 | The Actin Cytoskeleton Has an Active Role in the Electrotransfer of Plasmid DNA in Mammalian Cells. <i>Molecular Therapy</i> , 2011, 19, 913-921.  | 8.2  | 72        |
| 22 | Intracellular Tracking of Single-plasmid DNA Particles After Delivery by Electroporation. <i>Molecular Therapy</i> , 2013, 21, 2217-2226.  | 8.2  | 72        |
| 23 | Temperature effects on electrotransfection of mammalian cells. <i>Nucleic Acids Research</i> , 1994, 22, 540-540.  | 14.5 | 68        |
| 24 | 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        |
| 25 | Antitumor drug delivery in multicellular spheroids by electropermeabilization. <i>Journal of Controlled Release</i> , 2013, 167, 138-147.  | 9.9  | 67        |
| 26 | 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        |
| 27 | Gene Transfer: How Can the Biological Barriers Be Overcome?. <i>Journal of Membrane Biology</i> , 2010, 236, 61-74.  | 2.1  | 66        |
| 28 | Endocytosis and Endosomal Trafficking of DNA After Gene Electrotransfer In Vitro. <i>Molecular Therapy - Nucleic Acids</i> , 2016, 5, e286.  | 5.1  | 66        |
| 29 | Electroporation and lipid nanoparticles with cyanine IR-780 and flavonoids as efficient vectors to enhanced drug delivery in colon cancer. <i>Bioelectrochemistry</i> , 2016, 110, 19-31.  | 4.6  | 64        |
| 30 | Visualization of Membrane Loss during the Shrinkage of Giant Vesicles under Electropulsation. <i>Biophysical Journal</i> , 2009, 96, 4109-4121.  | 0.5  | 63        |
| 31 | Polymeric Micelles Encapsulating Photosensitizer: Structure/Photodynamic Therapy Efficiency Relation. <i>Biomacromolecules</i> , 2014, 15, 1443-1455.  | 5.4  | 62        |
| 32 | Nanosecond electric pulses: A mini-review of the present state of the art. <i>Bioelectrochemistry</i> , 2015, 103, 2-6.  | 4.6  | 58        |
| 33 | Electroporator with automatic change of electric field direction improves gene electrotransfer in-vitro. <i>BioMedical Engineering OnLine</i> , 2007, 6, 25.   | 2.7  | 55        |
| 34 | 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        |
| 35 | Electrochemotherapy: Progress and Prospects. <i>Current Pharmaceutical Design</i> , 2012, 18, 3406-3415.   | 1.9  | 53        |
| 36 | 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        |

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|----|---|-----|-----------|
| 37 | Comparison of Iron Oxide Nanoparticles in Photothermia and Magnetic Hyperthermia: Effects of Clustering and Silica Encapsulation on Nanoparticles' Heating Yield. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 7322.               | 2.5 | 49        |
| 38 | 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. <i>Journal of Gene Medicine</i> , 2013, 15, 169-181. | 2.8 | 46        |
| 39 | Cholesterol implications in plasmid DNA electrotransfer: Evidence for the involvement of endocytotic pathways. <i>International Journal of Pharmaceutics</i> , 2012, 423, 134-143.  | 5.2 | 41        |
| 40 | 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        |
| 41 | Destabilization induced by electropermeabilization analyzed by atomic force microscopy. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2013, 1828, 2223-2229.  | 2.6 | 40        |
| 42 | Elucidation of <i>in vitro</i> cellular steps induced by antitumor treatment with plasma-activated medium. <i>Scientific Reports</i> , 2019, 9, 4866.   | 3.3 | 40        |
| 43 | Nanosecond Electric Pulse Effects on Gene Expression. <i>Journal of Membrane Biology</i> , 2013, 246, 851-859.  | 2.1 | 39        |
| 44 | Microwave Monitoring of Single Cell Monocytes Subjected to Electroporation. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2017, 65, 3512-3518.  | 4.6 | 39        |
| 45 | Cell and Animal Imaging of Electrically Mediated Gene Transfer. <i>DNA and Cell Biology</i> , 2003, 22, 777-783.  | 1.9 | 38        |
| 46 | Destabilizing Giant Vesicles with Electric Fields: An Overview of Current Applications. <i>Journal of Membrane Biology</i> , 2012, 245, 555-564.  | 2.1 | 37        |
| 47 | 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        |
| 48 | Mechanism by Which Electroporation Mediates DNA Migration and Entry into Cells and Targeted Tissues. <i>Methods in Molecular Biology</i> , 2008, 423, 19-33.  | 0.9 | 35        |
| 49 | Effect of serum on <i>in vitro</i> electrically mediated gene delivery and expression in mammalian cells. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2000, 1467, 362-368.  | 2.6 | 34        |
| 50 | Cell Membrane Transport Mechanisms: Ion Channels and Electrical Properties of Cell Membranes. <i>Advances in Anatomy, Embryology and Cell Biology</i> , 2017, 227, 39-58.   | 1.6 | 34        |
| 51 | 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        |
| 52 | Giant lipid vesicles under electric field pulses assessed by non invasive imaging. <i>Bioelectrochemistry</i> , 2012, 87, 253-259.  | 4.6 | 32        |
| 53 | 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        |
| 54 | Membrane disorder and phospholipid scrambling in electropermeabilized and viable cells. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2014, 1838, 1701-1709.  | 2.6 | 31        |

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|----|--|------|-----------|
| 55 | Observations of the Mechanisms of Electromediated DNA Uptake - From Vesicles to Tissues. <i>Current Gene Therapy</i> , 2010, 10, 256-266.  | 2.0  | 29        |
| 56 | Conjugates of Benzoxazole and GFP Chromophore with Aggregation-Induced Enhanced Emission: Influence of the Chain Length on the Formation of Particles and on the Dye Uptake by Living Cells. <i>Small</i> , 2016, 12, 6602-6612. | 10.0 | 28        |
| 57 | Calcium Delivery by Electroporation Induces In Vitro Cell Death through Mitochondrial Dysfunction without DNA Damages. <i>Cancers</i> , 2020, 12, 425.   | 3.7  | 28        |
| 58 | Electric Field-Assisted Delivery of Photofrin to Human Breast Carcinoma Cells. <i>Journal of Membrane Biology</i> , 2013, 246, 725-735.  | 2.1  | 25        |
| 59 | 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        |
| 60 | Changes in nanomechanical properties and adhesion dynamics of algal cells during their growth. <i>Bioelectrochemistry</i> , 2019, 127, 154-162.  | 4.6  | 23        |
| 61 | Efficient In Vitro Electroporation of Reconstructed Human Dermal Tissue. <i>Journal of Membrane Biology</i> , 2015, 248, 903-908.  | 2.1  | 21        |
| 62 | Versatile Cellular Uptake Mediated by Cationic Vesicles: Simultaneous Spontaneous Membrane Fusion and Endocytosis. <i>Molecular Pharmaceutics</i> , 2015, 12, 103-110.   | 4.6  | 21        |
| 63 | Effect of trans(NO, OH)-[RuFT(Cl)(OH)NO](PF <sub>6</sub> ) ruthenium nitrosyl complex on methicillin-resistant <i>Staphylococcus epidermidis</i> . <i>Scientific Reports</i> , 2019, 9, 4867.                                    | 3.3  | 21        |
| 64 | Pre-clinical investigation of the synergy effect of interleukin-12 gene-electro-transfer during partially irreversible electroporation against melanoma. , 2019, 7, 161.   |      | 19        |
| 65 | Electrochemotherapy: progress and prospects. <i>Current Pharmaceutical Design</i> , 2012, 18, 3406-15.   | 1.9  | 19        |
| 66 | Electric Destabilization of Supramolecular Lipid Vesicles Subjected to Fast Electric Pulses. <i>Langmuir</i> , 2015, 31, 12215-12222.  | 3.5  | 18        |
| 67 | New Insights in the Gene Electrotransfer Process: Evidence for the Involvement of the Plasmid DNA Topology. <i>Current Gene Therapy</i> , 2012, 12, 417-422.   | 2.0  | 17        |
| 68 | Crosslinked polymeric self-assemblies as an efficient strategy for photodynamic therapy on a 3D cell culture. <i>RSC Advances</i> , 2016, 6, 69984-69998.  | 3.6  | 17        |
| 69 | Importance of endogenous extracellular matrix in biomechanical properties of human skin model. <i>Biofabrication</i> , 2017, 9, 025017.  | 7.1  | 17        |
| 70 | Safe and efficient novel approach for non-invasive gene electrotransfer to skin. <i>Scientific Reports</i> , 2018, 8, 16833.   | 3.3  | 17        |
| 71 | 3D Spheroids' Sensitivity to Electric Field Pulses Depends on Their Size. <i>Journal of Membrane Biology</i> , 2013, 246, 745-750.   | 2.1  | 16        |
| 72 | Self-assembled polymeric vectors mixtures: characterization of the polymorphism and existence of synergistic effects in photodynamic therapy. <i>Nanotechnology</i> , 2016, 27, 315102.  | 2.6  | 16        |

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|----|--|-----|-----------|
| 73 | Gene transfer by pulsed electric field is highly promising in cutaneous wound healing. <i>Expert Opinion on Biological Therapy</i> , 2016, 16, 67-77.  | 3.1 | 16        |
| 74 | Direct Validation of Aptamers as Powerful Tools to Image Solid Tumor. <i>Nucleic Acid Therapeutics</i> , 2014, 24, 217-225.  | 3.6 | 15        |
| 75 | Amphiphilic polymers based on polyoxazoline as relevant nanovectors for photodynamic therapy. <i>Journal of Materials Chemistry B</i> , 2019, 7, 4973-4982.                                  | 5.8 | 15        |
| 76 | Progress and Prospects: The Use of 3D Spheroid Model as a Relevant Way to Study and Optimize DNA Electrotransfer. <i>Current Gene Therapy</i> , 2013, 13, 175-181.                           | 2.0 | 15        |
| 77 | A journey from the endothelium to the tumor tissue: distinct behavior between PEO-PCL micelles and polymersomes nanocarriers. <i>Drug Delivery</i> , 2018, 25, 1766-1778.                    | 5.7 | 14        |
| 78 | Flow Cytometry Quantification of Electroporation. , 1998, 91, 141-148.   |     | 13        |
| 79 | Cyanines in photodynamic reaction assisted by reversible electroporation in vitro study on human breast carcinoma cells. <i>Photodiagnosis and Photodynamic Therapy</i> , 2013, 10, 490-502. | 2.6 | 13        |
| 80 | In Vivo Evaluation of a New Recombinant Hyaluronidase to Improve Gene Electro-Transfer Protocols for DNA-Based Drug Delivery against Cancer. <i>Cancers</i> , 2018, 10, 405.                 | 3.7 | 13        |
| 81 | Nucleic Acids Electro-transfer: From Bench to Bedside. <i>Current Drug Metabolism</i> , 2013, 14, 300-308.   | 1.2 | 13        |
| 82 | Shock waves associated with electric pulses affect cell electro-permeabilization. <i>Bioelectrochemistry</i> , 2014, 100, 36-43.   | 4.6 | 12        |
| 83 | Increasing Uptake of Silica Nanoparticles with Electroporation: From Cellular Characterization to Potential Applications. <i>Materials</i> , 2019, 12, 179.                                  | 2.9 | 12        |
| 84 | Gene Electrotransfer in 3D Reconstructed Human Dermal Tissue. <i>Current Gene Therapy</i> , 2016, 16, 75-82.   | 2.0 | 11        |
| 85 | Microwave dielectric spectroscopy for single cell irreversible electroporation monitoring. , 2016, , .   |     | 10        |
| 86 | Parameters Affecting Cell Viability Following Electroporation In Vitro. , 2017, , 1449-1465.   |     | 10        |
| 87 | Interaction between GUVs and cationic nanocontainers: new insight into spontaneous membrane fusion. <i>Chemical Communications</i> , 2012, 48, 6648.   | 4.1 | 9         |
| 88 | Drug Release by Direct Jump from Poly(ethylene-glycol-b- $\mu$ -caprolactone) Nano-Vector to Cell Membrane. <i>Molecules</i> , 2016, 21, 1643.   | 3.8 | 9         |
| 89 | A nanosecond pulsed electric field (nsPEF) can affect membrane permeabilization and cellular viability in a 3D spheroids tumor model. <i>Bioelectrochemistry</i> , 2021, 141, 107839.        | 4.6 | 9         |
| 90 | Transgene expression of transfected supercoiled plasmid DNA concatemers in mammalian cells. <i>Journal of Gene Medicine</i> , 2009, 11, 1071-1073.   | 2.8 | 8         |

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|-----|---|------|-----------|
| 91  | Gene electrotransfer: from biophysical mechanisms to in vivo applications. <i>Biophysical Reviews</i> , 2009, 1, 177-184.   | 3.2  | 8         |
| 92  | Editorial [Hot topic: Gene Transfer by Electric Fields (Guest Editor: Marie-Pierre Rols)]. <i>Current Gene Therapy</i> , 2010, 10, 255-255.   | 2.0  | 8         |
| 93  | Transdermal Delivery of Macromolecules Using Two-in-One Nanocomposite Device for Skin Electroporation. <i>Pharmaceutics</i> , 2021, 13, 1805.   | 4.5  | 8         |
| 94  | How transient alterations of organelles in mammalian cells submitted to electric field may explain some aspects of gene electrotransfer process. <i>Bioelectrochemistry</i> , 2016, 112, 166-172.   | 4.6  | 7         |
| 95  | Development of a near infrared protein nanoprobe targeting Thomsen-Friedenreich antigen for intraoperative detection of submillimeter nodules in an ovarian peritoneal carcinomatosis mouse model. <i>Biomaterials</i> , 2020, 241, 119908. | 11.4 | 7         |
| 96  | Electroporation does not affect human dermal fibroblast proliferation and migration properties directly but indirectly via the secretome. <i>Bioelectrochemistry</i> , 2020, 134, 107531.   | 4.6  | 7         |
| 97  | Visualization of Nonspecific Antitumor Effectiveness and Vascular Effects of Gene Electro-Transfer to Tumors. <i>Current Gene Therapy</i> , 2016, 16, 90-97.  | 2.0  | 7         |
| 98  | Electrical discharges in water induce spores' DNA damage. <i>PLoS ONE</i> , 2018, 13, e0201448.   | 2.5  | 6         |
| 99  | A protein nanocontainer targeting epithelial cancers: rational engineering, biochemical characterization, drug loading and cell delivery. <i>Nanoscale</i> , 2019, 11, 3248-3260.   | 5.6  | 6         |
| 100 | In Vitro Delivery of Drugs and Other Molecules to Cells. , 2000, 37, 83-97.   |      | 5         |
| 101 | Inactivation of spores by electric arcs. <i>BMC Microbiology</i> , 2016, 16, 148.   | 3.3  | 5         |
| 102 | Evaluations of Acute and Sub-Acute Biological Effects of Narrowband and Moderate-Band High Power Electromagnetic Waves on Cellular Spheroids. <i>Scientific Reports</i> , 2019, 9, 15324.   | 3.3  | 5         |
| 103 | Generator and Setup for Emulating Exposures of Biological Samples to Lightning Strokes. <i>IEEE Transactions on Biomedical Engineering</i> , 2015, 62, 2535-2543.   | 4.2  | 4         |
| 104 | Noninvasive Gene Electrotransfer in Skin. <i>Human Gene Therapy Methods</i> , 2019, 30, 17-22.  | 2.1  | 4         |
| 105 | Electric Field Based Therapies in Cancer Treatment. <i>Cancers</i> , 2020, 12, 3420.  | 3.7  | 4         |
| 106 | Sub-cellular temporal and spatial distribution of electrotransferred LNA/DNA oligomer. <i>Journal of Rnai and Gene Silencing</i> , 2013, 9, 479-85.   | 1.2  | 4         |
| 107 | Investigating relationship between transfection and permeabilization by the electric field and/or the Pluronic® L64 in vitro and in vivo. <i>Journal of Gene Medicine</i> , 2012, 14, 204-215.  | 2.8  | 3         |
| 108 | Gene Delivery by Electroporation In Vitro: Mechanisms. , 2016, , 1-16.  |      | 3         |

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|-----|--|-----|-----------|
| 109 | Biological Responses. , 2017, , 155-274.   |     | 3         |
| 110 | High power electromagnetic pulse applicators for evaluation of biological effects induced by electromagnetic radiation waves. RSC Advances, 2018, 8, 16319-16329.  | 3.6 | 3         |
| 111 | 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         |
| 112 | Gene electrotransfer: from biophysical mechanisms to in vivo applications. Biophysical Reviews, 2009, 1, 185-191.  | 3.2 | 2         |
| 113 | Medical Applications. , 2017, , 275-388.   |     | 2         |
| 114 | An <i>in vitro</i> study of the cytotoxicity of TTF $\hat{A}$ -TCNQ nanoparticles to mammalian cells. Materials Advances, 2020, 1, 1963-1970.  | 5.4 | 2         |
| 115 | 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         |
| 116 | Transfer of small interfering RNA by electropermeabilization in tumor spheroids. Bioelectrochemistry, 2021, 141, 107848.   | 4.6 | 2         |
| 117 | Parameters Affecting Cell Viability Following Electroporation In Vitro. , 2016, , 1-17.  |     | 2         |
| 118 | Fluorescence Imaging in Cancerology. Current Molecular Imaging, 2013, 2, 3-17.   | 0.7 | 1         |
| 119 | Plane wave in vitro exposure of biological samples, geometries considerations. , 2014, , .   |     | 1         |
| 120 | Gene Delivery by Electroporation In Vitro: Mechanisms. , 2017, , 387-401.  |     | 1         |
| 121 | Evaluation of a Microwave Biosensor for On-Chip Electroporation and Efficient Molecular Delivery Into Mammalian Cells. IEEE Journal of Electromagnetics, RF and Microwaves in Medicine and Biology, 2019, 3, 224-231.                | 3.4 | 1         |
| 122 | Electrotransfer of Plasmid DNA. , 2011, , 145-157.   |     | 1         |
| 123 | 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         |
| 124 | Effect of Electric Field Intensity on Plasmid DNA/Membrane Interaction during In-Vitro Gene Electrotransfer. Drug Delivery Letters, 2012, 2, 22-25.  | 0.5 | 0         |
| 125 | Nucleic Acid Electrotransfer in Mammalian Cells: Mechanistic Description. , 2016, , 1-14.  |     | 0         |
| 126 | Molecular Transmembrane Transport with Giant Unilamellar Vesicles (GUVs). , 2017, , 95-111.  |     | 0         |



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|-----|---|-----|-----------|
| 127 | Editorial for the Special Issue of Bioelectrochemistry. Bioelectrochemistry, 2020, 135, 107555.   | 4.6 | 0         |
| 128 | Effect of Electric Field Intensity on Plasmid DNA/Membrane Interaction during In-Vitro Gene Electrotransfer. Drug Delivery Letters, 2012, 2, 22-25. | 0.5 | 0         |
| 129 | Molecular Transmembrane Transport with Giant Unilamellar Vesicles (GUVs). , 2016, , 1-17.   |     | 0         |
| 130 | Evaluation of Cell Membrane Effects After 3D Multicellular Spheroids RF Exposure. , 2020, , .   |     | 0         |
| 131 | Electrochemotherapy: Progress and Prospects. Current Pharmaceutical Design, 2012, , .   | 1.9 | 0         |