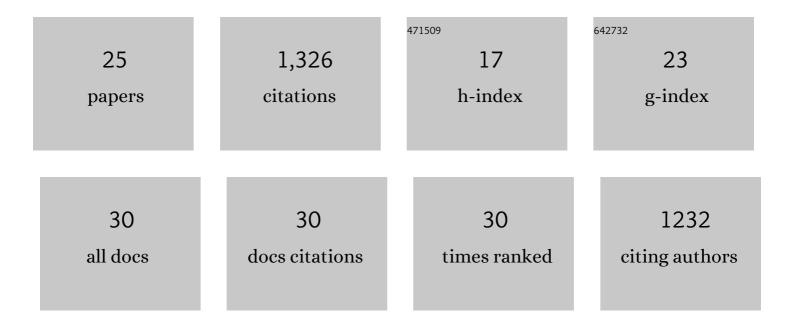
Lea Rems

List of Publications by Year in descending order

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LEA REMS

| # | Article | IF | CITATIONS |
|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 1 | Revisiting the role of pulsed electric fields in overcoming the barriers to in vivo gene electrotransfer. Bioelectrochemistry, 2022, 144, 107994. | 4.6 | 20 |
| 2 | Identification of electroporation sites in the complex lipid organization of the plasma membrane. ELife, 2022, 11, . | 6.0 | 11 |
| 3 | Actin networks regulate the cell membrane permeability during electroporation. Biochimica Et Biophysica Acta - Biomembranes, 2021, 1863, 183468. | 2.6 | 36 |
| 4 | Molecular Dynamics of Cell Membrane Electroporation. Biophysical Journal, 2021, 120, 42a. | 0.5 | 0 |
| 5 | DNA-membrane complex formation during electroporation is DNA size-dependent. Biochimica Et Biophysica Acta - Biomembranes, 2020, 1862, 183089. | 2.6 | 19 |
| 6 | Pulsed Electric Fields Can Create Pores in the Voltage Sensors of Voltage-Gated Ion Channels. Biophysical Journal, 2020, 119, 190-205. | 0.5 | 43 |
| 7 | The contribution of lipid peroxidation to membrane permeability in electropermeabilization: A molecular dynamics study. Bioelectrochemistry, 2019, 125, 46-57. | 4.6 | 71 |
| 8 | Response of an actin network in vesicles under electric pulses. Scientific Reports, 2019, 9, 8151. | 3.3 | 43 |
| 9 | Membrane Electroporation and Electropermeabilization: Mechanisms and Models. Annual Review of Biophysics, 2019, 48, 63-91. | 10.0 | 417 |
| 10 | Assessing the electro-deformation and electro-poration of biological cells using a three-dimensional finite element model. Applied Physics Letters, 2019, 114, . | 3.3 | 33 |
| 11 | DNA translocation to giant unilamellar vesicles during electroporation is independent of DNA size. Soft Matter, 2019, 15, 9187-9194. | 2.7 | 8 |
| 12 | The role of gel-phase domains in electroporation of vesicles. Scientific Reports, 2018, 8, 4758. | 3.3 | 21 |
| 13 | Lipid vesicles in pulsed electric fields: Fundamental principles of the membrane response and its biomedical applications. Advances in Colloid and Interface Science, 2017, 249, 248-271. | 14.7 | 64 |
| 14 | Lipid Pores: Molecular and Continuum Models. , 2017, , 3-23. | | 1 |
| 15 | Biological Responses. , 2017, , 155-274. | | 3 |
| 16 | Applicative Use of Electroporation Models. Advances in Biomembranes and Lipid Self-Assembly, 2017, 26, 1-50. | 0.6 | 4 |
| 17 | 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 |
| 18 | Tutorial: Electroporation of cells in complex materials and tissue. Journal of Applied Physics, 2016, 119, . | 2.5 | 145 |

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| # | Article | IF | CITATIONS |
|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 19 | Flow of DNA in micro/nanofluidics: From fundamentals to applications. Biomicrofluidics, 2016, 10, 043403. | 2.4 | 42 |
| 20 | Properties of lipid electropores II: Comparison of continuum-level modeling of pore conductance to molecular dynamics simulations. Bioelectrochemistry, 2016, 112, 112-124. | 4.6 | 25 |
| 21 | Properties of lipid electropores I: Molecular dynamics simulations of stabilized pores by constant charge imbalance. Bioelectrochemistry, 2016, 109, 108-116. | 4.6 | 42 |
| 22 | 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 |
| 23 | Electroporation of Intracellular Liposomes Using Nanosecond Electric Pulses—A Theoretical Study. IEEE Transactions on Biomedical Engineering, 2013, 60, 2624-2635. | 4.2 | 61 |
| 24 | Cell electrofusion using nanosecond electric pulses. Scientific Reports, 2013, 3, 3382. | 3.3 | 110 |
| 25 | The Influence of Intracellular Vesicle Size and Position on the Transmembrane Voltage Induced by Nanosecond Electric Fields. IFMBE Proceedings, 2011, , 255-258. | 0.3 | 0 |