Marzuk Ahmed

List of Publications by Year
in descending order

17	188	1039406 9	1058022 14
papers	citations	h-index	g-index

18	18	18	41
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Quantification of pulsed electric field for the rupture of giant vesicles with various surface charges, cholesterols and osmotic pressures. PLoS ONE, 2022, 17, e0262555.	1.1	5
2	Effects of cholesterol on the size distribution and bending modulus of lipid vesicles. PLoS ONE, 2022, 17, e0263119.	1.1	13
3	Effects of sugar concentration on the electroporation, size distribution and average size of charged giant unilamellar vesicles. European Biophysics Journal, 2022, 51, 401-412.	1.2	3
4	An investigation into the critical tension of electroporation in anionic lipid vesicles. European Biophysics Journal, 2021, 50, 99-106.	1.2	1
5	Recent developments in the kinetics of ruptures of giant vesicles under constant tension. RSC Advances, 2021, 11, 29598-29619.	1.7	9
6	Analysis of purification of charged giant vesicles in a buffer using their size distribution. European Physical Journal E, 2021, 44, 62.	0.7	4
7	Effects of osmotic pressure on the irreversible electroporation in giant lipid vesicles. PLoS ONE, 2021, 16, e0251690.	1.1	12
8	A new purification technique to obtain specific size distribution of giant lipid vesicles using dual filtration. PLoS ONE, 2021, 16, e0254930.	1.1	5
9	Deformation and poration of giant unilamellar vesicles induced by anionic nanoparticles. Chemistry and Physics of Lipids, 2020, 230, 104916.	1.5	18
10	Location of Peptide-Induced Submicron Discontinuities in the Membranes of Vesicles Using ImageJ. Journal of Fluorescence, 2020, 30, 735-740.	1.3	8
11	Influence of cholesterol on electroporation in lipid membranes of giant vesicles. European Biophysics Journal, 2020, 49, 361-370.	1.2	16
12	Electrostatic effects on the electrical tension-induced irreversible pore formation in giant unilamellar vesicles. Chemistry and Physics of Lipids, 2020, 231, 104935.	1.5	11
13	Kinetics of irreversible pore formation under constant electrical tension in giant unilamellar vesicles. European Biophysics Journal, 2020, 49, 371-381.	1.2	14
14	Electrostatic interaction effects on the size distribution of self-assembled giant unilamellar vesicles. Physical Review E, 2020, 101, 012404.	0.8	19
15	Development of an Irreversible Electroporation (IRE) Device for Vesicle Ablation. , 2020, , .		1
16	Effects of electrically-induced constant tension on giant unilamellar vesicles using irreversible electroporation. European Biophysics Journal, 2019, 48, 731-741.	1.2	28
17	Low cost non-electromechanical technique for the purification of giant unilamellar vesicles. European Biophysics Journal, 2019, 48, 349-359.	1.2	21