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Electro-osmotic flow over a charged superhydrophobic surface

DOI: 10.1103/physreve.81.066314

Physical Review E, 2010, 81, 066314.

Source: <https://exaly.com/paper-pdf/49745692/citation-report.pdf>

Version: 2024-04-10

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#	Paper	IF	Citations
24	Electrokinetic flows through a parallel-plate channel with slipping stripes on walls. <i>Physics of Fluids</i> , 2011 , 23, 102002	4.4	36
23	A theoretical study of induced-charge dipolophoresis of ideally polarizable asymmetrically slipping Janus particles. <i>Physics of Fluids</i> , 2011 , 23, 072007	4.4	18
22	Electrokinetics at liquid/liquid interfaces. <i>Journal of Fluid Mechanics</i> , 2011 , 684, 163-191	3.7	22
21	Streaming potential generated by a pressure-driven flow over superhydrophobic stripes. <i>Physics of Fluids</i> , 2011 , 23, 022003	4.4	28
20	Advances in electrokinetics and their applications in micro/nano fluidics. <i>Microfluidics and Nanofluidics</i> , 2012 , 13, 179-203	2.8	91
19	Electrokinetics on superhydrophobic surfaces. <i>Journal of Physics Condensed Matter</i> , 2012 , 24, 464110	1.8	19
18	Wenzel and Cassie-Baxter states of an electrolytic drop on charged surfaces. <i>Physical Review E</i> , 2012 , 86, 011603	2.4	19
17	Electroosmotic Flow Through a Circular Tube With Slip-Stick Striped Wall. <i>Journal of Fluids Engineering, Transactions of the ASME</i> , 2012 , 134,	2.1	10
16	Effect of hydrodynamic slippage on electro-osmotic flow in zeta potential patterned nanochannels. <i>Fluid Dynamics Research</i> , 2013 , 45, 055502	1.2	13
15	Momentum and mass transport over a bubble mattress: the influence of interface geometry. <i>Soft Matter</i> , 2013 , 9, 8949	3.6	21
14	Analysis of flow electrification in micro rough capillaries. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2013 , 20, 1474-1480	2.3	4
13	Electro-osmotic flow along superhydrophobic surfaces with embedded electrodes. <i>Physical Review E</i> , 2014 , 89, 063005	2.4	7
12	Electro-osmotic dispersion in a circular tube with slip-stick striped wall. <i>Fluid Dynamics Research</i> , 2015 , 47, 015502	1.2	4
11	Electroosmotic flow in a slit nanochannel with superhydrophobic walls. <i>Microfluidics and Nanofluidics</i> , 2015 , 19, 1465-1476	2.8	12
10	An efficient dissipative particle dynamics-based algorithm for simulating electrolyte solutions. <i>Journal of Chemical Physics</i> , 2015 , 142, 024103	3.9	14
9	Electroosmotic Flow in Hydrophobic Microchannels of General Cross Section. <i>Journal of Fluids Engineering, Transactions of the ASME</i> , 2016 , 138,	2.1	22
8	Enhanced Electroosmotic Flow Through a Nanochannel Patterned With Transverse Periodic Grooves. <i>Journal of Fluids Engineering, Transactions of the ASME</i> , 2017 , 139,	2.1	4

7	Tensorial Modulation of Electrokinetic Streaming Potentials on Air and Liquid Filled Surfaces. <i>Langmuir</i> , 2019 , 35, 14812-14817	4	6
6	Modulation of the Streaming Potential and Slip Characteristics in Electrolyte Flow over Liquid-Filled Surfaces. <i>Langmuir</i> , 2019 , 35, 6203-6210	4	12
5	Possibility of Obtaining Two Orders of Magnitude Larger Electrokinetic Streaming Potentials, through Liquid Infiltrated Surfaces. <i>Langmuir</i> , 2020 , 36, 10238-10243	4	4
4	Electroosmosis over charge-modulated surfaces with finite electrical double layer thicknesses: Asymptotic and numerical investigations. <i>Physical Review Fluids</i> , 2017 , 2,	2.8	10
3	Enhanced Electro-Osmotic Flow of Power-Law Fluids in Hydrophilic Patterned Nanochannel. <i>Journal of Fluids Engineering, Transactions of the ASME</i> , 2020 , 142,	2.1	4
2	Wetting, Roughness and Hydrodynamic Slip. 2013 ,		1
1	Enhanced electroosmotic flow, conductance and ion selectivity of a viscoplastic fluid in a hydrophobic cylindrical pore. <i>Applied Mathematical Modelling</i> , 2022 ,	4.5	0