

Antonio Gonzalez

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

1,792
citations

758635

12
h-index

1058022

14
g-index

19
all docs

19
docs citations

19
times ranked

1204
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of Faradaic currents on AC electroosmotic flows with coplanar symmetric electrodes. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2011, 376, 47-52.	2.3	9
2	Effect of the combined action of Faradaic currents and mobility differences in ac electro-osmosis. Physical Review E, 2010, 81, 016320.	0.8	33
3	Flow Reversal in Traveling-Wave Electrokinetics: An Analysis of Forces Due to Ionic Concentration Gradients. Langmuir, 2009, 25, 4988-4997.	1.6	44
4	Pumping of electrolytes using travelling-wave electro-osmosis: a weakly nonlinear analysis. Microfluidics and Nanofluidics, 2008, 5, 507-515.	1.0	15
5	Effect of the difference in ion mobilities on traveling-wave electro-osmosis. , 2008, , .		1
6	A linear analysis of the effect of Faradaic currents on traveling-wave electroosmosis. Journal of Colloid and Interface Science, 2007, 309, 323-331.	5.0	42
7	Electrothermal flows generated by alternating and rotating electric fields in microsystems. Journal of Fluid Mechanics, 2006, 564, 415.	1.4	142
8	AC electrokinetic pumping of liquids using arrays of microelectrodes. , 2005, , .		6
9	Manipulation of bio-particles by means of nonuniform AC electric fields. , 2005, 5839, 138.		0
10	Pumping of liquids with traveling-wave electroosmosis. Journal of Applied Physics, 2005, 97, 084906.	1.1	153
11	Electrohydrodynamics and dielectrophoresis in microsystems: scaling laws. Journal Physics D: Applied Physics, 2003, 36, 2584-2597.	1.3	587
12	Electrothermal Liquid Motion in Microsystems Subjected to Alternating and Rotating Electric Fields. , 2003, , .		1
13	Manipulation of Bio-Particles in Microelectrode Structures by Means of Non-Uniform AC Electric Fields. , 2002, , 165.		2
14	Fluid flow induced by nonuniform ac electric fields in electrolytes on microelectrodes.â€fll.â€fObservation of streamlines and numerical simulation. Physical Review E, 2002, 66, 026305.	0.8	330
15	Electrothermally induced fluid flow on microelectrodes. Journal of Electrostatics, 2001, 53, 71-87.	1.0	251
16	Comment on "Theoretical Model of Electrode Polarization and AC Electroosmotic Fluid Flow in Planar Electrode Arrays": Journal of Colloid and Interface Science, 2001, 243, 265-266.	5.0	4
17	Electric field induced fluid flow on microelectrodes: the effect of illumination. Journal Physics D: Applied Physics, 2000, 33, L13-L17.	1.3	103
18	Nonlinear electrohydrodynamics of free surfaces. IEEE Transactions on Dielectrics and Electrical Insulation, 1998, 5, 334-343.	1.8	51

#	ARTICLE	IF	CITATIONS
19	Kortewegâ€“de Vriesâ€“Burgers equation for surface waves in nonideal conducting liquids. Physical Review E, 1994, 49, 2935-2940.	0.8	18