

Harvey A Zambrano

List of Publications by Year in descending order

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20
papers

518
citations

840776

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940533

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g-index

21
all docs

21
docs citations

21
times ranked

580
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of charge inversion on nanoconfined flow of multivalent ionic solutions. Physical Chemistry Chemical Physics, 2022, , .	2.8	4
2	Water flow enhancement in amorphous silica nanochannels coated with monolayer graphene. MRS Communications, 2020, 10, 428-433.	1.8	5
3	Water Flow in Silica Nanopores Coated by Carbon Nanotubes from a Wetting Translucency Perspective. Journal of Physical Chemistry C, 2019, 123, 25635-25642.	3.1	11
4	Water thermophoresis in carbon nanotubes: the interplay between thermophoretic and friction forces. Physical Chemistry Chemical Physics, 2018, 20, 3672-3677.	2.8	20
5	Effect of an external electric field on capillary filling of water in hydrophilic silica nanochannels. Physical Chemistry Chemical Physics, 2018, 20, 18262-18270.	2.8	19
6	Slip divergence of water flow in graphene nanochannels: the role of chirality. Physical Chemistry Chemical Physics, 2017, 19, 8646-8652.	2.8	43
7	Carbon Nanotubes as Thermally Induced Water Pumps. ACS Nano, 2017, 11, 9997-10002.	14.6	51
8	Effect of the meniscus contact angle during early regimes of spontaneous imbibition in nanochannels. Physical Chemistry Chemical Physics, 2016, 18, 31997-32001.	2.8	12
9	Wall embedded electrodes to modify electroosmotic flow in silica nanoslits. Physical Chemistry Chemical Physics, 2016, 18, 1202-1211.	2.8	9
10	Electrokinetic transport of monovalent and divalent cations in silica nanochannels. Microfluidics and Nanofluidics, 2016, 20, 1.	2.2	27
11	Electrokinetic transport in silica nanochannels with asymmetric surface charge. Microfluidics and Nanofluidics, 2015, 19, 1455-1464.	2.2	24
12	Early regimes of water capillary flow in slit silica nanochannels. Physical Chemistry Chemical Physics, 2015, 17, 14731-14739.	2.8	59
13	Molecular dynamics simulations of water on a hydrophilic silica surface at high air pressures. Journal of Molecular Liquids, 2014, 198, 107-113.	4.9	44
14	Antibody-antigen binding in a flowthrough microfluidic device. , 2013, , .		0
15	Controlling the electroosmotic transport in nanochannels: effect of divalent counter-ions. , 2013, , .		0
16	A Theoretical Study of Biological Cell/Colloidal Particle Transport in Microchannels. , 2012, , .		0
17	Particle-wall interactions in micro/nanofluidics. , 2012, , .		1
18	Electrokinetic transport in a waterâ€“chloride nanofilm in contact with a silica surface with discontinuous charged patches. Microfluidics and Nanofluidics, 2012, 13, 735-747.	2.2	11

#	ARTICLE	IF	CITATIONS
19	Thermally driven molecular linear motors: A molecular dynamics study. Journal of Chemical Physics, 2009, 131, 241104.	3.0	51
20	Thermophoretic Motion of Water Nanodroplets Confined inside Carbon Nanotubes. Nano Letters, 2009, 9, 66-71.	9.1	127