

# Harvey A Zambrano

## List of Publications by Year in descending order

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Version: 2024-02-01

20  
papers

518  
citations

840776

11  
h-index

940533

16  
g-index

21  
all docs

21  
docs citations

21  
times ranked

580  
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermophoretic Motion of Water Nanodroplets Confined inside Carbon Nanotubes. Nano Letters, 2009, 9, 66-71.	9.1	127
2	Early regimes of water capillary flow in slit silica nanochannels. Physical Chemistry Chemical Physics, 2015, 17, 14731-14739.	2.8	59
3	Thermally driven molecular linear motors: A molecular dynamics study. Journal of Chemical Physics, 2009, 131, 241104.	3.0	51
4	Carbon Nanotubes as Thermally Induced Water Pumps. ACS Nano, 2017, 11, 9997-10002.	14.6	51
5	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
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	Electrokinetic transport of monovalent and divalent cations in silica nanochannels. Microfluidics and Nanofluidics, 2016, 20, 1.	2.2	27
8	Electrokinetic transport in silica nanochannels with asymmetric surface charge. Microfluidics and Nanofluidics, 2015, 19, 1455-1464.	2.2	24
9	Water thermophoresis in carbon nanotubes: the interplay between thermophoretic and friction forces. Physical Chemistry Chemical Physics, 2018, 20, 3672-3677.	2.8	20
10	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
11	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
12	Electrokinetic transport in a water-chloride nanofilm in contact with a silica surface with discontinuous charged patches. Microfluidics and Nanofluidics, 2012, 13, 735-747.	2.2	11
13	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
14	Wall embedded electrodes to modify electroosmotic flow in silica nanoslits. Physical Chemistry Chemical Physics, 2016, 18, 1202-1211.	2.8	9
15	Water flow enhancement in amorphous silica nanochannels coated with monolayer graphene. MRS Communications, 2020, 10, 428-433.	1.8	5
16	Effect of charge inversion on nanoconfined flow of multivalent ionic solutions. Physical Chemistry Chemical Physics, 2022, , .	2.8	4
17	Particle-wall interactions in micro/nanofluidics. , 2012, , .		1
18	A Theoretical Study of Biological Cell/Colloidal Particle Transport in Microchannels. , 2012, , .		0

#	ARTICLE	IF	CITATIONS
19	Antibody-antigen binding in a flowthrough microfluidic device. , 2013, , .		0
20	Controlling the electroosmotic transport in nanochannels: effect of divalent counter-ions. , 2013, , .		0