

Van-Sang Pham

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3988065/publications.pdf>

Version: 2024-02-01

11
papers

548
citations

1040056

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h-index

1125743

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14
docs citations

14
times ranked

420
citing authors

#	ARTICLE	IF	CITATIONS
1	Shear Flow of an Electrically Charged Fluid by Ion Concentration Polarization: Scaling Laws for Electroconvective Vortices. <i>Physical Review Letters</i> , 2013, 110, 114501.	7.8	134
2	Direct numerical simulation of electroconvective instability and hysteretic current-voltage response of a permselective membrane. <i>Physical Review E</i> , 2012, 86, 046310.	2.1	132
3	Purification of High Salinity Brine by Multi-Stage Ion Concentration Polarization Desalination. <i>Scientific Reports</i> , 2016, 6, 31850.	3.3	67
4	Enhanced Salt Removal by Unipolar Ion Conduction in Ion Concentration Polarization Desalination. <i>Scientific Reports</i> , 2016, 6, 25349.	3.3	65
5	An OpenFOAM solver for multiphase and turbulent flow. <i>Physics of Fluids</i> , 2020, 32, .	4.0	36
6	Energy efficiency enhancement of electromembrane desalination systems by local flow redistribution optimized for the asymmetry of cation/anion diffusivity. <i>Journal of Membrane Science</i> , 2017, 524, 280-287.	8.2	33
7	Sheltering the perturbed vortical layer of electroconvection under shear flow. <i>Journal of Fluid Mechanics</i> , 2017, 813, 799-823.	3.4	27
8	Return flow ion concentration polarization desalination: A new way to enhance electromembrane desalination. <i>Water Research</i> , 2019, 159, 501-510.	11.3	24
9	A numerical modeling study on inertial focusing of microparticle in spiral microchannel. <i>AIP Advances</i> , 2020, 10, .	1.3	12
10	Microfluidic Electrokinetic Preconcentration Chips: Enhancing the detection of nucleic acids and exosomes. <i>IEEE Nanotechnology Magazine</i> , 2020, 14, 18-34.	1.3	9
11	Ions transport in electromembrane desalination: A numerical modeling for the return flow ion-concentration-polarization desalination system. <i>Chemical Engineering Research and Design</i> , 2022, 184, 366-377.	5.6	6