

Yannick Hallez

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

22
papers

280
citations

9
h-index

16
g-index

22
ext. papers

323
ext. citations

3.5
avg, IF

3.56
L-index

#	Paper	IF	Citations
22	Interaction between two spherical bubbles rising in a viscous liquid. <i>Journal of Fluid Mechanics</i> , 2011 , 673, 406-431	3.7	58
21	Effects of channel geometry on buoyancy-driven mixing. <i>Physics of Fluids</i> , 2008 , 20, 053306	4.4	45
20	Drying colloidal systems: Laboratory models for a wide range of applications. <i>European Physical Journal E</i> , 2018 , 41, 94	1.5	27
19	A numerical investigation of horizontal viscous gravity currents. <i>Journal of Fluid Mechanics</i> , 2009 , 630, 71-91	3.7	27
18	Quantitative assessment of the accuracy of the Poisson-Boltzmann cell model for salty suspensions. <i>Langmuir</i> , 2014 , 30, 6721-9	4	20
17	Experimental and numerical investigations of flow structure and momentum transport in a turbulent buoyancy-driven flow inside a tilted tube. <i>Physics of Fluids</i> , 2009 , 21, 115102	4.4	17
16	Turbulence-induced secondary motion in a buoyancy-driven flow in a circular pipe. <i>Physics of Fluids</i> , 2009 , 21, 081704	4.4	16
15	A Three-Step Scenario Involved in Particle Capture on a Pore Edge. <i>Langmuir</i> , 2015 , 31, 8310-7	4	13
14	Surfactant mediated particle aggregation in nonpolar solvents. <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 18866-18876	3.6	9
13	Analytical and numerical computations of the van der Waals force in complex geometries: Application to the filtration of colloidal particles. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2012 , 414, 466-476	5.1	8
12	Fast, Robust Evaluation of the Equation of State of Suspensions of Charge-Stabilized Colloidal Spheres. <i>Langmuir</i> , 2017 , 33, 10051-10060	4	7
11	Electrostatic Directed Assembly of Colloidal Microparticles Assisted by Convective Flow. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 783-790	3.8	7
10	Modeling the Electrostatics of Hollow Shell Suspensions: Ion Distribution, Pair Interactions, and Many-Body Effects. <i>Langmuir</i> , 2016 , 32, 10430-10444	4	6
9	Buoyancy-induced turbulence in a tilted pipe. <i>Journal of Fluid Mechanics</i> , 2015 , 762, 435-477	3.7	4
8	Osmotic pressure and transport coefficient in ultrafiltration: A Monte Carlo study using quantum surface charges. <i>Chemical Engineering Science</i> , 2020 , 224, 115762	4.4	4
7	The continuous modeling of charge-stabilized colloidal suspensions in shear flows. <i>Journal of Rheology</i> , 2016 , 60, 1317-1329	4.1	3
6	Shear-induced glass-to-crystal transition in anisotropic clay-like suspensions. <i>Soft Matter</i> , 2021 , 17, 3174-3190	3.1	3

5	Injection time controls the final morphology of nanocrystals during in situ-seeding synthesis of silver nanodisks. <i>CrystEngComm</i> , 2020 , 22, 1769-1778	3.3	2
4	Surface and extrapolated point charge renormalizations for charge-stabilized colloidal spheres. <i>European Physical Journal E</i> , 2018 , 41, 69	1.5	2
3	On the relative impact of subgrid-scale modelling and conjugate heat transfer in LES of hot jets in cross-flow over cold plates. <i>International Journal for Numerical Methods in Fluids</i> , 2011 , 67, 1321-1340	1.9	1
2	Versatile, rapid and robust nano-positioning of single-photon emitters by AFM-nanoxerography.. <i>Nanotechnology</i> , 2022 ,	3.4	1
1	Microfluidic osmotic compression of a charge-stabilized colloidal dispersion: Equation of state and collective diffusion coefficient.. <i>Physical Review E</i> , 2021 , 104, L062601	2.4	0