

Florence Raynal

List of Publications by Year in descending order

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papers

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840119

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docs citations

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times ranked

269
citing authors

#	ARTICLE	IF	CITATIONS
1	Chaotic mixing in an acoustically driven cavity flow. <i>Physical Review Fluids</i> , 2022, 7, .	1.0	1
2	Mixing and unmixing induced by active camphor particles. <i>Physical Review Fluids</i> , 2021, 6, .	1.0	8
3	Two-dimensional numerical model of Marangoni surfers: From single swimmer to crystallization. <i>Physical Review E</i> , 2021, 104, 064608.	0.8	2
4	Kolmogorovian Active Turbulence of a Sparse Assembly of Interacting Marangoni Surfers. <i>Physical Review X</i> , 2020, 10, .	2.8	14
5	Diffusiophoresis, Batchelor scale and effective Péclet numbers. <i>Journal of Fluid Mechanics</i> , 2019, 876, 818-829.	1.4	9
6	Advection and diffusion in a chemically induced compressible flow. <i>Journal of Fluid Mechanics</i> , 2018, 847, 228-243.	1.4	15
7	Diffusiophoresis at the macroscale. <i>Physical Review Fluids</i> , 2016, 1, .	1.0	14
8	The distribution of "time of flight" in three dimensional stationary chaotic advection. <i>Physics of Fluids</i> , 2015, 27, 043601.	1.6	7
9	Chaotic mixing in effective compressible flows. <i>Physical Review E</i> , 2014, 90, 013027.	0.8	16
10	Numerical modeling of DNA-chip hybridization with chaotic advection. <i>Biomicrofluidics</i> , 2013, 7, 34107.	1.2	7
11	Chaotic mixing efficiency in different geometries of Hele-Shaw cells. <i>International Journal of Heat and Mass Transfer</i> , 2010, 53, 684-693.	2.5	15
12	Towards better DNA chip hybridization using chaotic advection. <i>Physics of Fluids</i> , 2007, 19, 017112.	1.6	18
13	Optimisation du protocole de mélange et de la géométrie d'une chambre de hybridation de puces à ADN. <i>Houille Blanche</i> , 2007, 93, 39-44.	0.3	0
14	Lobe dynamics in a kinematic model of a meandering jet. I. Geometry and statistics of transport and lobe dynamics with accelerated convergence. <i>Physica D: Nonlinear Phenomena</i> , 2006, 223, 7-25.	1.3	13
15	Micromélangeur à advection chaotique pour l'hybridation des puces à ADN. <i>Houille Blanche</i> , 2006, 92, 78-82.	0.3	1
16	Study of a chaotic mixing system for DNA chip hybridization chambers. <i>Physics of Fluids</i> , 2004, 16, L63-L66.	1.6	33
17	Faraday instability with a polymer solution. <i>European Physical Journal B</i> , 1999, 9, 175-178.	0.6	33
18	Energy saving in chaotic laminar mixing. <i>International Journal of Heat and Mass Transfer</i> , 1997, 40, 3267-3273.	2.5	54

#	ARTICLE	IF	CITATIONS
19	Exact relation between spatial mean enstrophy and dissipation in confined incompressible flows. <i>Physics of Fluids</i> , 1996, 8, 2242-2244.	1.6	5
20	Efficient stirring in planar, time-periodic laminar flows. <i>Chemical Engineering Science</i> , 1995, 50, 631-640.	1.9	13
21	A numerical Eulerian approach to mixing by chaotic advection. <i>Physics of Fluids</i> , 1995, 7, 2587-2600.	1.6	45