Francois Sicard

List of Publications by Year
in descending order

21 papers	374 citations	758635 12 h-index	794141 19 g-index
21 all docs	21 docs citations	21 times ranked	408 citing authors

#	Article	IF	Citations
1	Position-Dependent Diffusion from Biased Simulations and Markov State Model Analysis. Journal of Chemical Theory and Computation, 2021, 17, 2022-2033.	2.3	17
2	Armored Droplets as Soft Nanocarriers for Encapsulation and Release under Flow Conditions. ACS Nano, 2021, 15, 11406-11416.	7.3	3
3	Role of structural rigidity and collective behaviour in the molecular design of gas hydrate anti-agglomerants. Molecular Systems Design and Engineering, 2021, 6, 713-721.	1.7	11
4	Molecular simulations unravel the molecular principles that mediate selective permeability of carboxysome shell protein. Scientific Reports, 2020, 10, 17501.	1.6	52
5	Dynamical control of denaturation bubble nucleation in supercoiled DNA minicircles. Physical Review E, 2020, 101, 012403.	0.8	8
6	Nanoparticles Actively Fragment Armored Droplets. ACS Nano, 2019, 13, 9498-9503.	7.3	7
7	Computing transition rates for rare events: When Kramers theory meets the free-energy landscape. Physical Review E, 2018, 98, .	0.8	7
8	Computational simulations for particles at interfaces. , 2018, , 167-200.		3
9	Emergent Properties of Antiagglomerant Films Control Methane Transport: Implications for Hydrate Management. Langmuir, 2018, 34, 9701-9710.	1.6	26
10	Antiagglomerants Affect Gas Hydrate Growth. Journal of Physical Chemistry Letters, 2018, 9, 3491-3496.	2.1	43
11	Buckling in armored droplets. Nanoscale, 2017, 9, 8567-8572.	2.8	21
12	Numerical analysis of Pickering emulsion stability: insights from ABMD simulations. Faraday Discussions, 2016, 191, 287-304.	1.6	17
13	Applications: general discussion. Faraday Discussions, 2016, 191, 565-595.	1.6	0
14	Particles at interfaces: general discussion. Faraday Discussions, 2016, 191, 407-434.	1.6	1
15	DNA denaturation bubbles: Free-energy landscape and nucleation/closure rates. Journal of Chemical Physics, 2015, 142, 034903.	1.2	38
16	Scaling Quasistationary States in Long-Range Systems with Dissipation. Physical Review Letters, 2014, 112, 070602.	2.9	11
17	Exponents of non-linear clustering in scale-free one-dimensional cosmological simulations. Monthly Notices of the Royal Astronomical Society, 2013, 429, 3423-3432.	1.6	13
18	Reconstructing the free-energy landscape of Met-enkephalin using dihedral principal component analysis and well-tempered metadynamics. Journal of Chemical Physics, 2013, 138, 235101.	1.2	26

#	Article	IF	Citations
19	Non-linear gravitational clustering of cold matter in an expanding universe: indications from 1D toy models. Monthly Notices of the Royal Astronomical Society, 2011, 413, 1439-1446.	1.6	19
20	A Dynamical Classification of the Range of Pair Interactions. Journal of Statistical Physics, 2010, 141, 970-989.	0.5	12
21	One-dimensional gravity in infinite point distributions. Physical Review E, 2009, 80, 041108.	0.8	39