

# Fabien Paillusson

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5143488/publications.pdf>

Version: 2024-02-01

19  
papers

339  
citations

1163117

8  
h-index

839539

18  
g-index

19  
all docs

19  
docs citations

19  
times ranked

485  
citing authors

#	ARTICLE	IF	CITATIONS
1	Numerical Calculation of Granular Entropy. Physical Review Letters, 2014, 112, 098002.	7.8	68
2	Nonspecific DNA-Protein Interaction: Why Proteins Can Diffuse along DNA. Physical Review Letters, 2009, 102, 228101.	7.8	56
3	Electrostatics of DNA compaction in viruses, bacteria and eukaryotes: functional insights and evolutionary perspective. Soft Matter, 2012, 8, 9285.	2.7	54
4	Slits, plates, and Poisson-Boltzmann theory in a local formulation of nonlocal electrostatics. Physical Review E, 2010, 82, 052501.	2.1	33
5	Effective interaction between charged nanoparticles and DNA. Physical Chemistry Chemical Physics, 2011, 13, 12603.	2.8	24
6	Probing Ergodicity in Granular Matter. Physical Review Letters, 2012, 109, 208001.	7.8	21
7	Interaction regimes for oppositely charged plates with multivalent counterions. Physical Review E, 2011, 84, 011407.	2.1	12
8	Protein-DNA Electrostatics. Advances in Protein Chemistry and Structural Biology, 2013, 92, 253-297.	2.3	11
9	Dielectric response in the vicinity of an ion: A nonlocal and nonlinear model of the dielectric properties of water. Journal of Chemical Physics, 2019, 150, 094507.	3.0	10
10	Poisson-Boltzmann for oppositely charged bodies: an explicit derivation. Molecular Physics, 2009, 107, 1379-1391.	1.7	7
11	The other entropy. Molecular Physics, 2013, 111, 3641-3650.	1.7	7
12	Devising a protocol-related statistical mechanics framework for granular materials. Physical Review E, 2015, 91, 012204.	2.1	7
13	Phase Separation on Bicontinuous Cubic Membranes: Symmetry Breaking, Reentrant, and Domain Faceting. Physical Review Letters, 2016, 117, 058101.	7.8	7
14	Multicomponent flow on curved surfaces: A vielbein lattice Boltzmann approach. Physical Review E, 2019, 100, 063306.	2.1	7
15	On the role of composition entropies in the statistical mechanics of polydisperse systems. Journal of Statistical Mechanics: Theory and Experiment, 2014, 2014, P10038.	2.3	6
16	Gibbs' paradox according to Gibbs and slightly beyond. Molecular Physics, 2018, 116, 3196-3213.	1.7	4
17	On the critical Casimir interaction between anisotropic inclusions on a membrane. Physical Chemistry Chemical Physics, 2017, 19, 24188-24196.	2.8	3
18	On the Logic of a Prior Based Statistical Mechanics of Polydisperse Systems: The Case of Binary Mixtures. Entropy, 2019, 21, 599.	2.2	1

#	ARTICLE	IF	CITATIONS
19	A Fuzzy Take on the Logical Issues of Statistical Hypothesis Testing. <i>Philosophies</i> , 2021, 6, 21.	0.7	1