

# Yves Pomeau

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/12113929/publications.pdf>

Version: 2024-02-01

16  
papers

997  
citations

933447

10  
h-index

1058476

14  
g-index

16  
all docs

16  
docs citations

16  
times ranked

602  
citing authors

#	ARTICLE	IF	CITATIONS
1	Convective instability: A physicist's approach. <i>Reviews of Modern Physics</i> , 1977, 49, 581-624.	45.6	548
2	Different ways to turbulence in dissipative dynamical systems. <i>Physica D: Nonlinear Phenomena</i> , 1980, 1, 219-226.	2.8	240
3	Gravity Driven Instability in Elastic Solid Layers. <i>Physical Review Letters</i> , 2014, 113, 178301.	7.8	56
4	New Drop Fluidics Enabled by Magnetic-Field-Mediated Elastocapillary Transduction. <i>Langmuir</i> , 2016, 32, 6860-6870.	3.5	27
5	Selection of hexagonal buckling patterns by the elastic Rayleigh-Taylor instability. <i>Journal of the Mechanics and Physics of Solids</i> , 2018, 121, 234-257.	4.8	27
6	Two dimensional Leidenfrost droplets in a Hele-Shaw cell. <i>Physics of Fluids</i> , 2014, 26, .	4.0	23
7	Vortex dynamics in perfect fluids. <i>Journal of Plasma Physics</i> , 1996, 56, 407-418.	2.1	17
8	Brownian diffusion in a dilute field of traps is Fickian but non-Gaussian. <i>Physical Review E</i> , 2018, 98, .	2.1	13
9	Supernovae: An example of complexity in the physics of compressible fluids. <i>European Physical Journal E</i> , 2014, 37, 26.	1.6	11
10	Turbulence: Does Energy Cascade Exist?. <i>Journal of Statistical Physics</i> , 2017, 167, 596-625.	1.2	11
11	The shape of hanging elastic cylinders. <i>Soft Matter</i> , 2019, 15, 5464-5473.	2.7	9
12	Buckling of a spinning elastic cylinder: linear, weakly nonlinear and post-buckling analyses. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2018, 474, 20180242.	2.1	6
13	Anisotropic cellular forces support mechanical integrity of the Stratum Corneum barrier. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2019, 92, 11-23.	3.1	6
14	Freezing and boiling between parallel plates. <i>Physica D: Nonlinear Phenomena</i> , 1996, 97, 223-228.	2.8	2
15	MODELS OF CATASTROPHIC EVENTS AND SUGGESTIONS TO FORETELL THEM. , 2013, , 367-386.		1
16	Rayleigh-Bénard Convection as a Model of a Nonlinear System: A Personal View. <i>Springer Tracts in Modern Physics</i> , 2006, , 95-102.	0.1	0