

Marina Carpineti

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.

32
papers

998
citations

14
h-index

31
g-index

34
ext. papers

1,045
ext. citations

3.5
avg, IF

3.67
L-index

#	Paper	IF	Citations
32	Spinodal-type dynamics in fractal aggregation of colloidal clusters. <i>Physical Review Letters</i> , 1992 , 68, 3327-3330	7.4	270
31	Salt-induced fast aggregation of polystyrene latex. <i>Physical Review A</i> , 1990 , 42, 7347-7354	2.6	157
30	Coagulation kinetics and aggregate morphology in the intermediate regimes between diffusion-limited and reaction-limited cluster aggregation. <i>Physical Review A</i> , 1992 , 45, 1018-1023	2.6	124
29	Transition from semioorder to disorder in the aggregation of dense colloidal solutions. <i>Physical Review Letters</i> , 1993 , 70, 3828-3831	7.4	93
28	Space intensity correlations in the near field of the scattered light: A direct measurement of the density correlation function $g(r)$. <i>Physical Review Letters</i> , 2000 , 85, 1416-9	7.4	82
27	Near-field intensity correlations of scattered light. <i>Applied Optics</i> , 2001 , 40, 4036-40	1.7	41
26	Mass conservation and anticorrelation effects in the colloidal aggregation of dense solutions. <i>Physical Review E</i> , 1995 , 51, 590-596	2.4	38
25	How to measure the optical thickness of scattering particles from the phase delay of scattered waves: application to turbid samples. <i>Physical Review Letters</i> , 2010 , 105, 193901	7.4	24
24	Aggregation phenomena. <i>Advances in Colloid and Interface Science</i> , 1993 , 46, 73-90	14.3	24
23	The NEUF-DIX space project - Non-Equilibrium Fluctuations during Diffusion in complex liquids. <i>European Physical Journal E</i> , 2016 , 39, 119	1.5	21
22	Metastability and supersaturation limit for lysozyme crystallization. <i>Physical Chemistry Chemical Physics</i> , 2004 , 6, 1506	3.6	19
21	Light scattering studies of aggregation phenomena. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1995 , 213, 148-158	3.3	17
20	Fractal Morphology, Spatial Order, and Pore Structure in Microporous Membrane Filters. <i>Langmuir</i> , 1996 , 12, 6446-6451	4	17
19	European Space Agency experiments on thermodiffusion of fluid mixtures in space. <i>European Physical Journal E</i> , 2019 , 42, 86	1.5	16
18	Recent Developments in Aggregation Kinetics. <i>MRS Bulletin</i> , 1994 , 19, 14-18	3.2	9
17	Theatre to motivate the study of physics. <i>Journal of Science Communication</i> , 2011 , 10, A01	2	9
16	Small angle light scattering studies concerning aggregation processes. <i>Current Opinion in Colloid and Interface Science</i> , 1997 , 2, 246-250	7.6	6

15	Giant Fluctuations Induced by Thermal Diffusion in Complex Liquids. <i>Microgravity Science and Technology</i> , 2020 , 32, 873-887	1.6	5
14	Embedding physics into technology: infrared thermography and building inspection as a teaching tool [a new participated strategy approach to the physics of heat transfer and energy saving for professional schools. <i>Canadian Journal of Physics</i> , 2019 , 97, 1019-1026	1.1	4
13	Correlation and anticorrelation of fractal aggregates. A model for "spinodal-type" aggregation. <i>Nuovo Cimento Della Societa Italiana Di Fisica D - Condensed Matter, Atomic, Molecular and Chemical Physics, Biophysics</i> , 1994 , 16, 1243-1246		4
12	Frying an egg to study heat transport: an engaging and didactic experiment. <i>Physics Education</i> , 2020 , 55, 025016	0.8	3
11	Microporous membrane filters: a static light scattering study. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1997 , 235, 248-256	3.3	3
10	Transition from Semiorde to Disorder in the Aggregation of Dense Colloidal Solutions. <i>Physical Review Letters</i> , 1993 , 71, 656-656	7.4	3
9	Kinetics of growth of non-equilibrium fluctuations during thermodiffusion in a polymer solution. <i>European Physical Journal E</i> , 2019 , 42, 25	1.5	2
8	Static light scattering characterisation of microporous membrane filters. <i>Journal of Molecular Structure</i> , 1996 , 383, 31-35	3.4	2
7	Ordered coarsening in colloidal aggregation. <i>Journal of Physics Condensed Matter</i> , 1994 , 6, A329-A332	1.8	2
6	Inquiry Based Teaching: An Experience with THE TEMI E.U. Project. <i>Eurasia Journal of Mathematics, Science and Technology Education</i> , 2017 , 14,	1.6	1
5	Two-color cross-correlation in small-angle static light scattering. <i>Physical Review E</i> , 1998 , 57, 3485-3493	2.4	1
4	Multifractal analysis of glaciers in the Lombardy region of the Italian Alps. <i>Journal of Physics Complexity</i> , 2021 , 2, 025003	1.8	1
3	Levitation, oscillations, and wave propagation in a stratified fluid. <i>European Journal of Physics</i> , 2021 , 42, 055011	0.8	0
2	Optimal leap angle of legged and legless insects in a landscape of uniformly distributed random obstacles. <i>Royal Society Open Science</i> , 2021 , 8, 202279	3.3	
1	Strategies for Active Learning to Improve Student Learning and Attitudes Towards Physics. <i>Challenges in Physics Education</i> , 2021 , 213-233	0.1	