

Gianluca Marcelli

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

420
citations

840776

11
h-index

794594

19
g-index

20
all docs

20
docs citations

20
times ranked

336
citing authors

#	ARTICLE	IF	CITATIONS
1	Molecular simulation of the phase behavior of noble gases using accurate two-body and three-body intermolecular potentials. <i>Journal of Chemical Physics</i> , 1999, 111, 1533-1540.	3.0	106
2	A link between the two-body and three-body interaction energies of fluids from molecular simulation. <i>Journal of Chemical Physics</i> , 2000, 112, 6382-6385.	3.0	46
3	Molecular simulation of the vapour-liquid phase coexistence of neon and argon using ab initio potentials. <i>Physical Chemistry Chemical Physics</i> , 2001, 3, 1297-1302.	2.8	42
4	Analytic dependence of the pressure and energy of an atomic fluid under shear. <i>Physical Review E</i> , 2001, 63, 021204.	2.1	36
5	Thermal Fluctuations of Red Blood Cell Membrane via a Constant-Area Particle-Dynamics Model. <i>Biophysical Journal</i> , 2005, 89, 2473-2480.	0.5	27
6	On the relationship between two-body and three-body interactions from nonequilibrium molecular dynamics simulation. <i>Journal of Chemical Physics</i> , 2001, 115, 9410-9413.	3.0	24
7	Red blood cell thermal fluctuations: comparison between experiment and molecular dynamics simulations. <i>Soft Matter</i> , 2009, 5, 3603.	2.7	22
8	Understanding changes in uptake and release of serotonin from gastrointestinal tissue using a novel electroanalytical approach. <i>Analyst</i> , The, 2010, 135, 2340.	3.5	18
9	Energy and pressure of shearing fluids at different state points. <i>Physical Review E</i> , 2001, 64, 021201.	2.1	16
10	Towards image-based cancer cell lines authentication using deep neural networks. <i>Scientific Reports</i> , 2020, 10, 19857.	3.3	14
11	The strain rate dependence of shear viscosity, pressure and energy from two-body and three-body interactions. <i>Fluid Phase Equilibria</i> , 2001, 183-184, 371-379.	2.5	11
12	Performance of Deep Learning Models in Forecasting Gait Trajectories of Children with Neurological Disorders. <i>Sensors</i> , 2022, 22, 2969.	3.8	11
13	Quantumlike short-time behavior of a classical crystal. <i>Physical Review E</i> , 2003, 68, 041112.	2.1	10
14	Three-body interactions and the phase equilibria of mixtures. <i>High Temperatures - High Pressures</i> , 2001, 33, 111-118.	0.3	7
15	Computer-Generated Ovaries to Assist Follicle Counting Experiments. <i>PLoS ONE</i> , 2015, 10, e0120242.	2.5	7
16	A crowdsourcing semi-automatic image segmentation platform for cell biology. <i>Computers in Biology and Medicine</i> , 2021, 130, 104204.	7.0	6
17	Boundary homogenization for spherical surfaces randomly covered with nonoverlapping partially absorbing disks. <i>Journal of Chemical Physics</i> , 2007, 127, 176101.	3.0	4
18	Theoretical modelling to understand the neurotransmission mechanism in the gastrointestinal tract. , 2008, 2008, 5548-51.		3

#	ARTICLE	IF	CITATIONS
19	Beyond Traditional Effective Intermolecular Potentials and Pairwise Interactions in Molecular Simulation. Lecture Notes in Computer Science, 2002, , 932-941.	1.3	3