

Giuseppe Pellicane

List of Publications by Citations

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63

papers

1,033

citations

20

h-index

30

g-index

68

ext. papers

1,116

ext. citations

3.3

avg, IF

4.35

L-index

#	Paper	IF	Citations
63	Stripe phases from isotropic repulsive interactions. <i>Nature Materials</i> , 2003 , 2, 97-100	27	187
62	Stripe patterns in two-dimensional systems with core-corona molecular architecture. <i>Physical Review E</i> , 2004 , 70, 021202	2.4	73
61	Zinc oxide doped single wall carbon nanotubes in hole transport buffer layer. <i>Journal of Alloys and Compounds</i> , 2017 , 706, 344-350	5.7	44
60	Liquid-liquid phase transition in one-component fluids. <i>Journal of Physics Condensed Matter</i> , 2002 , 14, 2193-2200	1.8	43
59	ZnO:CNT assisted charge transport in PTB7:PCBM blend organic solar cell. <i>Journal of Alloys and Compounds</i> , 2018 , 748, 216-222	5.7	42
58	Molecular dynamics characterization of protein crystal contacts in aqueous solutions. <i>Physical Review Letters</i> , 2008 , 101, 248102	7.4	38
57	Phase coexistence in a DLVO model of globular protein solutions. <i>Journal of Physics Condensed Matter</i> , 2003 , 15, 375-384	1.8	38
56	Theory and simulation of short-range models of globular protein solutions. <i>Journal of Physics Condensed Matter</i> , 2004 , 16, S4923-S4936	1.8	36
55	Microscopic Determination of the Phase Diagrams of Lysozyme and β Crystallin Solutions. <i>Journal of Physical Chemistry B</i> , 2004 , 108, 7538-7541	3.4	35
54	Free energy determination of phase coexistence in model C60: A comprehensive Monte Carlo study. <i>Journal of Chemical Physics</i> , 2003 , 118, 304-310	3.9	33
53	Effective interactions in lysozyme aqueous solutions: a small-angle neutron scattering and computer simulation study. <i>Journal of Chemical Physics</i> , 2012 , 136, 035103	3.9	29
52	Colloidal model of lysozyme aqueous solutions: a computer simulation and theoretical study. <i>Journal of Physical Chemistry B</i> , 2012 , 116, 2114-20	3.4	27
51	Phase diagram of model C _n ? 70 fullerenes. <i>Europhysics Letters</i> , 2001 , 54, 468-474	1.6	27
50	Simple fluids with complex phase behavior. <i>Physical Review E</i> , 2001 , 63, 020501	2.4	26
49	Microscopic theories of model macromolecular fluids and fullerenes: The role of thermodynamic consistency. <i>Journal of Chemical Physics</i> , 2002 , 117, 5072-5085	3.9	26
48	Theoretical study of interactions of BSA protein in a NaCl aqueous solution. <i>Journal of Chemical Physics</i> , 2013 , 138, 115103	3.9	24
47	A comprehensive study of the phase diagram of symmetrical hard-core Yukawa mixtures. <i>Journal of Chemical Physics</i> , 1998 , 109, 4498-4507	3.9	24

46	Replica Ornstein-Zernike self-consistent theory for mixtures in random pores. <i>Physical Review E</i> , 2004 , 69, 061202	2.4	23
45	Atomistic versus two-body central potential models of C(60): a comparative molecular dynamics study. <i>Physical Review E</i> , 2004 , 69, 031112	2.4	23
44	Theoretical description of phase coexistence in model C60. <i>Physical Review E</i> , 2003 , 68, 021104	2.4	21
43	Molecular dynamics and small-angle neutron scattering of lysozyme aqueous solutions. <i>Philosophical Magazine</i> , 2011 , 91, 2066-2076	1.6	16
42	Gibbs ensemble Monte Carlo of nonadditive hard-sphere mixtures. <i>Journal of Chemical Physics</i> , 2014 , 141, 044508	3.9	15
41	Critical behavior of symmetrical fluid mixtures in random pores. <i>Physical Review Letters</i> , 2008 , 101, 246104	3.4	15
40	Molecular dynamics of an embedded-charge model of lysozyme aqueous solutions. <i>Journal of Physical Chemistry B</i> , 2010 , 114, 9109-18	3.4	14
39	Virial coefficients and demixing of athermal nonadditive mixtures. <i>Journal of Physical Chemistry B</i> , 2007 , 111, 4503-9	3.4	13
38	Colloid-polymer mixtures in the presence of quenched disorder: a theoretical and computer simulation study. <i>Journal of Physics Condensed Matter</i> , 2008 , 20, 115101	1.8	11
37	Thermodynamic stability of fluid-fluid phase separation in binary athermal mixtures: the role of nonadditivity. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 4359-64	3.4	11
36	Two-dimensional mixture of amphiphilic dimers and spheres: Self-assembly behaviour. <i>Journal of Chemical Physics</i> , 2017 , 147, 144902	3.9	9
35	Tuning range-separated DFT functionals for accurate orbital energy modeling of conjugated molecules. <i>Computational and Theoretical Chemistry</i> , 2015 , 1070, 14-20	2	9
34	Generalized mean-spherical-approximation description of highly asymmetric hard-sphere mixtures. <i>Journal of Physics Condensed Matter</i> , 2000 , 12, 2613-2622	1.8	9
33	On the application of Flory-Huggins and integral equation theories to asymmetric hard sphere mixtures. <i>Journal of Chemical Physics</i> , 1999 , 111, 6884-6889	3.9	9
32	Polymorphism in simple liquids: a Gibbs ensemble Monte Carlo study. <i>Journal of Chemical Physics</i> , 2004 , 120, 8671-5	3.9	8
31	Surface enrichment driven by polymer topology. <i>Physical Review E</i> , 2016 , 93, 050501	2.4	7
30	Fluids in porous media: the case of neutral walls. <i>Physical Review E</i> , 2013 , 88, 042131	2.4	7
29	Theoretical and computer simulation study of phase coexistence of nonadditive hard-disk mixtures. <i>Journal of Chemical Physics</i> , 2014 , 141, 214508	3.9	6

28	Molecular dynamics determination of liquid-vapor coexistence in molten alkali halides. <i>Physical Review E</i> , 2018 , 98, 010103	2.4	5
27	Cloud and solubility temperatures versus ionic strength in model lysozyme solutions. <i>Journal of Physics Condensed Matter</i> , 2003 , 15, S3485-S3489	1.8	5
26	A thermodynamic self-consistent theory of asymmetric hard-core Yukawa mixtures. <i>Journal of Physics Condensed Matter</i> , 2016 , 28, 414009	1.8	5
25	Virial coefficients, equation of state, and demixing of binary asymmetric nonadditive hard-disk mixtures. <i>Journal of Chemical Physics</i> , 2017 , 147, 164502	3.9	4
24	Adsorption of Yukawa fluids on a hard wall. <i>Molecular Physics</i> , 2015 , 113, 1097-1107	1.7	4
23	A star-function based density functional study of the adsorption of Lennard-Jones fluid near its supercritical states. <i>Journal of Supercritical Fluids</i> , 2010 , 55, 524-536	4.2	4
22	Self-Assembled Structures of Colloidal Dimers and Disks on a Spherical Surface. <i>Entropy</i> , 2021 , 23,	2.8	4
21	Effective interactions in molecular dynamics simulations of lysozyme solutions. <i>European Physical Journal B</i> , 2014 , 87, 1	1.2	3
20	Unravelling the surface composition of symmetric linear-cyclic polymer blends. <i>Fluid Phase Equilibria</i> , 2017 , 441, 33-42	2.5	2
19	Integral-equation theories of fluid phase equilibria in simple fluids. <i>Fluid Phase Equilibria</i> , 2020 , 521, 112665	2.6	2
18	Effective protein-protein interaction from structure factor data of a lysozyme solution. <i>Journal of Chemical Physics</i> , 2013 , 139, 054904	3.9	2
17	Theory and computer simulation of hard-core Yukawa mixtures: thermodynamical, structural and phase coexistence properties. <i>Journal of Physics Condensed Matter</i> , 2017 , 29, 365102	1.8	2
16	Phase separation of model adsorbates in random matrices. <i>Physical Chemistry Chemical Physics</i> , 2007 , 9, 1064-9	3.6	2
15	Adsorption of hard spheres: structure and effective density according to the potential distribution theorem. <i>Condensed Matter Physics</i> , 2011 , 14, 33601	1.3	2
14	Structure factors and x-ray diffraction intensities in molten alkali halides. <i>Journal of Physics Communications</i> , 2020 , 4, 075017	1.2	2
13	Tuning Solvent Quality Induces Morphological Phase Transitions in Miktoarm Star Polymer Films. <i>Macromolecules</i> , 2020 , 53, 6151-6162	5.5	2
12	On the structure, property, and phase behaviour of the symmetric Yukawa mixtures: testing of the consistent integral equation theories. <i>Molecular Physics</i> , 2019 , 117, 784-793	1.7	2
11	A potential distribution induced mapping of free energies for simple fluids. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2012 , 391, 1942-1951	3.3	1

10	Towards composite spheres as building blocks for structured molecules. <i>Journal of Physics Condensed Matter</i> , 2016 , 28, 414008	1.8	1
9	Smart Nanostructured Materials: From Molecular Self-Assembly to Advanced Applications. <i>Journal of Nanomaterials</i> , 2021 , 2021, 1-2	3.2	1
8	Nano-scale morphology dependent performance of thin film organic solar cells. <i>Journal of Materials Science: Materials in Electronics</i> , 2017 , 28, 214-221	2.1	0
7	Toward the Rational Design of Organic Solar Photovoltaics: Application of Molecular Structure Methods to Donor Polymers.. <i>Journal of Physical Chemistry A</i> , 2021 , 125, 10593-10603	2.8	0
6	Construction of a composite-sphere model for molecules of tetrahedral symmetry. <i>Molecular Physics</i> , 2021 , 119, e1913254	1.7	0
5	Noise-formed triple-well potential and stochastic resonance of charge carriers. <i>Pramana - Journal of Physics</i> , 2022 , 96, 1		0
4	Thermodynamics of a stochastic three level elevator model. <i>European Physical Journal B</i> , 2015 , 88, 1	1.2	
3	Theory and equation of state of two-component nonadditive hard-disks: an application in the colloidal regime. <i>Physics and Chemistry of Liquids</i> , 1-22	1.5	
2	Adsorption of binary polymer mixtures with different topology on a wall. <i>Results in Physics</i> , 2019 , 12, 975-981	3.7	
1	A stochastic model for diffusion in a semiconductor layer under the effect of an external potential and non-uniform temperature. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2022 , 596, 127197	3.3	