# Pedro Jose Tarazona Lafarga

## List of Publications by Citations



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| 152 papers | 7,338 citations | 42 h-index | 82 g-index |
| 157 ext. papers | 7,686 ext. citations | 3.4 avg, IF | 5.98 L-index |

| # | Paper | IF | Citations |
|---|---|---|---|
| 152 | Free-energy density functional for hard spheres. *Physical Review A*, **1985**, 31, 2672-2679 | 2.6 | 922 |
| 151 | Phase equilibria of fluid interfaces and confined fluids. *Molecular Physics*, **1987**, 60, 573-595 | 1.7 | 547 |
| 150 | Dynamic density functional theory of fluids. *Journal of Chemical Physics*, **1999**, 110, 8032-8044 | 3.9 | 491 |
| 149 | A density functional theory of melting. *Molecular Physics*, **1984**, 52, 81-96 | 1.7 | 347 |
| 148 | Capillary condensation and adsorption in cylindrical and slit-like pores. *Journal of the Chemical Society, Faraday Transactions 2*, **1986**, 82, 1763 | | 332 |
| 147 | RNA folding and combinatory landscapes. *Physical Review E*, **1993**, 47, 2083-2099 | 2.4 | 175 |
| 146 | Wetting transitions at models of a solid-gas interface. *Molecular Physics*, **1983**, 48, 799-831 | 1.7 | 165 |
| 145 | Intrinsic profiles beyond the capillary wave theory: a Monte Carlo study. *Physical Review Letters*, **2003**, 91, 166103 | 7.4 | 158 |
| 144 | Dynamic density functional theory of fluids. *Journal of Physics Condensed Matter*, **2000**, 12, A413-A418 | 1.8 | 157 |
| 143 | Error thresholds for molecular quasispecies as phase transitions: From simple landscapes to spin-glass models. *Physical Review A*, **1992**, 45, 6038-6050 | 2.6 | 142 |
| 142 | Theory of Condensation in Narrow Capillaries. *Physical Review Letters*, **1984**, 52, 557-560 | 7.4 | 134 |
| 141 | Density functional theory and the asymptotic high density expansion of the free energy of classical solids and fluids. *Molecular Physics*, **1998**, 95, 141-150 | 1.7 | 123 |
| 140 | Atomically resolved three-dimensional structures of electrolyte aqueous solutions near a solid surface. *Nature Communications*, **2016**, 7, 12164 | 17.4 | 94 |
| 139 | Dimensional crossover and the freezing transition in density functional theory. *Journal of Physics Condensed Matter*, **1996**, 8, L577-L581 | 1.8 | 94 |
| 138 | Nonlocal kinetic energy functional for nonhomogeneous electron systems. *Physical Review B*, **1985**, 32, 7868-7877 | 3.3 | 93 |
| 137 | Nematic-smectic-A-smectic-C transitions in systems of parallel hard molecules. *Physical Review Letters*, **1988**, 61, 2566-2569 | 7.4 | 92 |
| 136 | A model for density oscillations in liquids between solid walls. *Molecular Physics*, **1985**, 56, 557-572 | 1.7 | 91 |

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|---|---|---|---|
| 135 | Layering at free liquid surfaces. *Physical Review Letters*, **2001**, 87, 166101 | 7.4 | 84 |
| 134 | Monte Carlo intrinsic surfaces and density profiles for liquid surfaces. *Physical Review B*, **2004**, 70, | 3.3 | 79 |
| 133 | Density Functional Theories of Hard Particle Systems. *Lecture Notes in Physics*, **2008**, 247-341 | 0.8 | 71 |
| 132 | Nematic and smectic liquid crystals of hard spherocylinders. *Physical Review A*, **1990**, 41, 965-970 | 2.6 | 69 |
| 131 | On the failure of certain integral equation theories to account for complete wetting at solid-fluid interfaces. *Molecular Physics*, **1983**, 50, 993-1011 | 1.7 | 69 |
| 130 | The intrinsic structure of the water surface. *Journal of Chemical Physics*, **2006**, 125, 014709 | 3.9 | 67 |
| 129 | Capillary condensation in structured pores. *Journal of Chemical Physics*, **1996**, 105, 2034-2043 | 3.9 | 67 |
| 128 | Two-stage capillary condensation in pores with structured walls: A nonlocal density functional study. *Journal of Chemical Physics*, **1998**, 108, 8689-8697 | 3.9 | 66 |
| 127 | Long ranged correlations at a solid-fluid interface A signature of the approach to complete wetting. *Molecular Physics*, **1982**, 47, 1033-1063 | 1.7 | 65 |
| 126 | Wetting transitions at fluid-fluid interfaces. *Molecular Physics*, **1983**, 49, 283-300 | 1.7 | 63 |
| 125 | Intrinsic structure of hydrophobic surfaces: the oil-water interface. *Physical Review Letters*, **2008**, 101, 056102 | 7.4 | 60 |
| 124 | Molecular dynamics investigation of the intrinsic structure of water-fluid interfaces via the intrinsic sampling method. *Physical Chemistry Chemical Physics*, **2008**, 10, 4704-15 | 3.6 | 55 |
| 123 | Wetting and thick-thin film transitions in a model of argon at a solid CO2 substrate. *Physical Review A*, **1983**, 28, 1864-1868 | 2.6 | 55 |
| 122 | Fundamental measure theory and dimensional interpolation for the hard spheres fluid. *Physica A: Statistical Mechanics and Its Applications*, **2002**, 306, 243-250 | 3.3 | 54 |
| 121 | Langevin computer simulations of bacterial protein filaments and the force-generating mechanism during cell division. *Physical Review E*, **2008**, 77, 011902 | 2.4 | 53 |
| 120 | Dynamic density functional study of a driven colloidal particle in polymer solutions. *Physical Review E*, **2003**, 68, 061407 | 2.4 | 52 |
| 119 | Self-consistent weighted-density approximation for the electron gas. I. Bulk properties. *Physical Review B*, **1988**, 37, 4013-4019 | 3.3 | 49 |
| 118 | Close to the edge of fundamental measure theory: a density functional for hard-sphere mixtures. *Journal of Physics Condensed Matter*, **2002**, 14, 11965-11980 | 1.8 | 48 |

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|---|---|---|---|
| 117 | Low melting temperature and liquid surface layering for pair potential models. *Journal of Chemical Physics*, **2002**, 117, 10777-10788 | 3.9 | 47 |
| 116 | Characterization of the intrinsic density profiles for liquid surfaces. *Journal of Physics Condensed Matter*, **2005**, 17, S3493-S3498 | 1.8 | 46 |
| 115 | Solid-fluid transition and interfaces with density functional approaches. *Surface Science*, **1995**, 331-333, 989-994 | 1.8 | 45 |
| 114 | Density functional theory of the elastic constants of a nematic liquid crystal. *Molecular Physics*, **1991**, 72, 911-926 | 1.7 | 45 |
| 113 | A MOF@COF Composite with Enhanced Uptake through Interfacial Pore Generation. *Angewandte Chemie - International Edition*, **2019**, 58, 9512-9516 | 16.4 | 42 |
| 112 | Depolymerization dynamics of individual filaments of bacterial cytoskeletal protein FtsZ. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, 8133-8 | 11.5 | 42 |
| 111 | Perturbation weighted-density approximation: The phase diagram of a Lennard-Jones system. *Physical Review E*, **1993**, 47, 4284-4288 | 2.4 | 41 |
| 110 | Wetting transitions for the Ar-CO2 interface: Modified-hypernetted-chain and density-functional-theory results. *Physical Review A*, **1987**, 35, 1210-1218 | 2.6 | 41 |
| 109 | The effect of confinement on the isotropic-nematic transition. *Molecular Physics*, **1990**, 71, 801-821 | 1.7 | 39 |
| 108 | Critical analysis of the density functional theory prediction of enhanced capillary waves. *Physical Review Letters*, **2007**, 99, 196101 | 7.4 | 38 |
| 107 | Hydrodynamics of nanoscopic capillary waves. *Physical Review Letters*, **2008**, 101, 106102 | 7.4 | 36 |
| 106 | Nonequilibrium inertial dynamics of colloidal systems. *Journal of Chemical Physics*, **2006**, 124, 164901 | 3.9 | 36 |
| 105 | A model for membranes, vesicles and micelles in amphiphilic systems. *Journal of Physics Condensed Matter*, **1995**, 7, 5753-5776 | 1.8 | 36 |
| 104 | The intrinsic interfacial structure of ionic surfactant monolayers at water–oil and water–vapour interfaces. *Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences*, **2011**, 467, 1939-1958 | 2.4 | 35 |
| 103 | The structure of ionic aqueous solutions at interfaces: an intrinsic structure analysis. *Journal of Chemical Physics*, **2012**, 137, 114706 | 3.9 | 35 |
| 102 | Dynamic density functional theory for steady currents: Application to colloidal particles in narrow channels. *Journal of Chemical Physics*, **2003**, 119, 1766-1776 | 3.9 | 32 |
| 101 | High fluidity and soft elasticity of the inner membrane of Escherichia coli revealed by the surface rheology of model Langmuir monolayers. *Langmuir*, **2008**, 24, 4065-76 | 4 | 31 |
| 100 | FtsZ bacterial cytoskeletal polymers on curved surfaces: the importance of lateral interactions. *Biophysical Journal*, **2008**, 94, L81-3 | 2.9 | 31 |

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|---|---|---|---|
| 99 | Elastic properties of a hard-sphere crystal. *Physical Review A*, **1987**, 36, 979-981 | 2.6 | 30 |
| 98 | Wetting transitions at fluid-fluid interfaces. *Molecular Physics*, **1983**, 49, 301-314 | 1.7 | 30 |
| 97 | Thermal fluctuations and bending rigidity of bilayer membranes. *Journal of Chemical Physics*, **2013**, 139, 094902 | 3.9 | 29 |
| 96 | Comparative study of the surface layer density of liquid surfaces. *Physical Review B*, **2009**, 80, | 3.3 | 29 |
| 95 | First-order and continuous transitions in confined liquid crystals. *Physical Review A*, **1990**, 41, 1149-1152 | 2.6 | 29 |
| 94 | Diffusion at the liquid-vapor interface. *Journal of Chemical Physics*, **2008**, 128, 134704 | 3.9 | 28 |
| 93 | Layering structures at free liquid surfaces: The Fisher–Widom line and the capillary waves. *Journal of Chemical Physics*, **2002**, 117, 3941-3950 | 3.9 | 28 |
| 92 | Orientational phase transitions in systems of adsorbed molecules. *Physical Review B*, **1989**, 39, 7111-7119 | 3.3 | 28 |
| 91 | Comment on "Prewetting at a solid-fluid interface via Monte Carlo simulation". *Physical Review A*, **1990**, 42, 2454-2457 | 2.6 | 28 |
| 90 | A MOF@COF Composite with Enhanced Uptake through Interfacial Pore Generation. *Angewandte Chemie*, **2019**, 131, 9612-9616 | 3.6 | 27 |
| 89 | Surface tension of hard sphere fluid near a wall. *Molecular Physics*, **1979**, 37, 1077-1087 | 1.7 | 27 |
| 88 | Theory of thermostatted inhomogeneous granular fluids: a self-consistent density functional description. *Journal of Chemical Physics*, **2007**, 126, 164904 | 3.9 | 26 |
| 87 | Simple modeling of FtsZ polymers on flat and curved surfaces: correlation with experimental in vitro observations. *PMC Biophysics*, **2009**, 2, 8 | | 25 |
| 86 | Frank elastic constants of a nematic liquid crystal of hard molecules. *Physical Review A*, **1989**, 40, 6069-6076 | 2.6 | 25 |
| 85 | Adhesive transitions in Newton black films: a computer simulation study. *Journal of Chemical Physics*, **2011**, 134, 214701 | 3.9 | 23 |
| 84 | Force-field dependence on the interfacial structure of oil–water interfaces. *Molecular Physics*, **2010**, 108, 1887-1898 | 1.7 | 23 |
| 83 | Perturbation theory applied to the freezing of classical systems. *Physical Review E*, **1994**, 49, 2161-2166 | 2.4 | 23 |
| 82 | Self-consistent weighted-density approximation for the electron gas. II. The metal surface. *Physical Review B*, **1988**, 37, 4020-4025 | 3.3 | 23 |

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|---|---|---|---|
| 81 | Torsion and curvature of FtsZ filaments. *Soft Matter*, **2014**, 10, 1977-86 | 3.6 | 22 |
| 80 | A computer simulation approach to quantify the true area and true area compressibility modulus of biological membranes. *Journal of Chemical Physics*, **2015**, 143, 034706 | 3.9 | 22 |
| 79 | Exact solution of approximate density functionals for the kinetic energy of the electron gas. *Physical Review B*, **1989**, 39, 10366-10369 | 3.3 | 22 |
| 78 | Intrinsic profiles and the structure of liquid surfaces. *Journal of Physics Condensed Matter*, **2012**, 24, 284128 | 2.3 | 21 |
| 77 | Intrinsic fluid interfaces and nonlocality. *Physical Review Letters*, **2013**, 111, 096104 | 7.4 | 20 |
| 76 | Contact angle and line tension dependence on curvature. *Chemical Physics Letters*, **1981**, 82, 586-588 | 2.5 | 20 |
| 75 | Theoretical models for the liquid-vapor and metal-nonmetal transitions of alkali fluids. *Physical Review B*, **1995**, 52, 9330-9341 | 3.3 | 19 |
| 74 | A perturbation-variational theory for molecular fluid interphases. *Molecular Physics*, **1982**, 47, 145-160 | 1.7 | 19 |
| 73 | Intrinsic structure of the free liquid surface of an alkali metal. *Physical Review B*, **2006**, 74, | 3.3 | 18 |
| 72 | Simple model for the phase coexistence and electrical conductivity of alkali fluids. *Physical Review Letters*, **1995**, 74, 142-145 | 7.4 | 18 |
| 71 | Pairwise correlations at a fluid-fluid interface. *Molecular Physics*, **1985**, 54, 1357-1392 | 1.7 | 18 |
| 70 | Functional thermo-dynamics: a generalization of dynamic density functional theory to non-isothermal situations. *Journal of Chemical Physics*, **2013**, 139, 034106 | 3.9 | 17 |
| 69 | Beyond dynamic density functional theory: the role of inertia. *Journal of Physics Condensed Matter*, **2008**, 20, 494233 | 1.8 | 17 |
| 68 | Beyond the dynamic density functional theory for steady currents: application to driven colloidal particles in a channel. *Journal of Chemical Physics*, **2008**, 128, 164704 | 3.9 | 17 |
| 67 | Capillary waves dynamics at the nanoscale. *Journal of Physics Condensed Matter*, **2008**, 20, 494229 | 1.8 | 17 |
| 66 | Image potential and the exchange-correlation weighted density approximation functional. *Physical Review B*, **2000**, 62, 16063-16068 | 3.3 | 17 |
| 65 | Elastic constants from a microscopic model of bilayer membrane. *Journal of Chemical Physics*, **1998**, 109, 2371-2379 | 3.9 | 17 |
| 64 | Nonlocal density functional for the exchange and correlation energy of electrons. *Physical Review B* , **1986**, 33, 6579-6587 | 3.3 | 17 |

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|---|---|---|---|
| 63 | Density-functional approach to phase transitions of submonolayer films. I. The role of the intrinsic and extrinsic ordering forces. *Physical Review B*, **1987**, 35, 3376-3383 | 3.3 | 17 |
| 62 | Exact results and mean field approximation for a model of molecular aggregation. *Journal of Chemical Physics*, **1997**, 107, 10207-10213 | 3.9 | 16 |
| 61 | The Fisher-Widom line for systems with low melting temperature. *Molecular Physics*, **2003**, 101, 1595-1603 | 1.7 | 16 |
| 60 | Fluctuation effects in the herringbone orientational phase transition. *Physical Review B*, **1989**, 39, 7157-7160 | 3.3 | 16 |
| 59 | Complete wetting at a model fluid-argon-solid-CO2 interface. *Physical Review A*, **1986**, 34, 2513-2516 | 2.6 | 16 |
| 58 | A model for capillary crystallization and the capillary triple point. *Molecular Physics*, **1987**, 62, 497-507 | 1.7 | 16 |
| 57 | Density functional study of layering at liquid surfaces. *Physical Review E*, **2004**, 70, 061601 | 2.4 | 15 |
| 56 | Columnar liquid crystal of parallel hard spherocylinders. *Physical Review A*, **1989**, 40, 4161-4163 | 2.6 | 15 |
| 55 | Deconstructing Temperature Gradients across Fluid Interfaces: The Structural Origin of the Thermal Resistance of Liquid-Vapor Interfaces. *Physical Review Letters*, **2017**, 119, 045901 | 7.4 | 14 |
| 54 | Dynamical correlations in Brownian hard rods. *Journal of Chemical Physics*, **2006**, 124, 164903 | 3.9 | 14 |
| 53 | Microscopic Model for Mixed Surfactant Vesicles. *Langmuir*, **1998**, 14, 6827-6834 | 4 | 14 |
| 52 | Capillary wave Hamiltonian for the Landau-Ginzburg-Wilson density functional. *Journal of Physics Condensed Matter*, **2016**, 28, 244014 | 1.8 | 14 |
| 51 | Constricting force of filamentary protein rings evaluated from experimental results. *Physical Review E*, **2010**, 81, 031922 | 2.4 | 13 |
| 50 | Bacterial cell division: modeling FtsZ assembly and force generation from single filament experimental data. *FEMS Microbiology Reviews*, **2019**, 43, 73-87 | 15.1 | 13 |
| 49 | Effect of dispersion forces on the capillary-wave fluctuations of liquid surfaces. *Physical Review E*, **2014**, 89, 042406 | 2.4 | 11 |
| 48 | Newton black films as wetting systems. *Physical Review B*, **2012**, 85, | 3.3 | 11 |
| 47 | Molecular fluids in an external field. *Molecular Physics*, **1984**, 51, 1475-1486 | 1.7 | 11 |
| 46 | Density functional analysis of atomic force microscopy in a dense fluid. *Journal of Chemical Physics*, **2019**, 151, 034701 | 3.9 | 10 |

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|---|---|---|---|
| 45 | Capillary wave spectrum at adsorbed liquid films. *Physical Review B*, **2012**, 86, | 3.3 | 10 |
| 44 | Liquid crystals of asymmetric hard body molecules. *Molecular Physics*, **1992**, 75, 17-21 | 1.7 | 10 |
| 43 | Pinwheel and herringbone phases in systems of adsorbed molecules. *Physical Review B*, **1990**, 42, 8571-8576 | 3.3 | 10 |
| 42 | Capillary waves and the decay of density correlations at liquid surfaces. *Physical Review E*, **2016**, 94, 062802 | 2.4 | 9 |
| 41 | Thickness and fluctuations of free and adsorbed liquid films. *Physical Review B*, **2011**, 84, | 3.3 | 8 |
| 40 | In vitro reconstitution of the initial stages of the bacterial cell division machinery. *Journal of Biological Physics*, **2008**, 34, 237-47 | 1.6 | 8 |
| 39 | Capillary waves as eigenmodes of the density correlation at liquid surfaces. *Journal of Chemical Physics*, **2018**, 148, 084702 | 3.9 | 7 |
| 38 | Lifetimes of small catalytic networks. *Bulletin of Mathematical Biology*, **1994**, 56, 875-898 | 2.1 | 7 |
| 37 | The image potential in the weighted-density approximation. *Nuovo Cimento Della Societa Italiana Di Fisica D - Condensed Matter, Atomic, Molecular and Chemical Physics, Biophysics*, **1987**, 9, 589-594 | | 7 |
| 36 | A perturbation-variational theory for molecular fluid interphases in the presence of an electric field. *Molecular Physics*, **1982**, 47, 1021-1031 | 1.7 | 7 |
| 35 | Modeling the interplay between protein and lipid aggregation in supported membranes. *Chemistry and Physics of Lipids*, **2015**, 185, 141-52 | 3.7 | 6 |
| 34 | Unified treatment of the metal-non-metal and liquid-vapour transitions in monovalent-atom fluids. *Journal of Physics Condensed Matter*, **1993**, 5, 1753-1758 | 1.8 | 6 |
| 33 | Structural and Electronic Aspects of the Phase Transitions of Alkali-atom Fluids. *Contributions To Plasma Physics*, **1993**, 33, 370-373 | 1.4 | 6 |
| 32 | Critical Exponents for Complete Wetting. *Physical Review Letters*, **1984**, 53, 400-400 | 7.4 | 6 |
| 31 | Thermodynamics of deformable three-phase systems. *Physica A: Statistical Mechanics and Its Applications*, **1982**, 115, 490-500 | 3.3 | 6 |
| 30 | Tip Charge Dependence of Three-Dimensional AFM Mapping of Concentrated Ionic Solutions. *Physical Review Letters*, **2021**, 127, 196101 | 7.4 | 6 |
| 29 | Subnanometer Interfacial Forces in Three-Dimensional Atomic Force Microscopy: Water and Octane near a Mica Surface. *Journal of Physical Chemistry C*, **2020**, 124, 26296-26303 | 3.8 | 6 |
| 28 | FtsZ protein on bilayer membranes: effects of specific lateral bonds. *Soft Matter*, **2013**, 9, 6072 | 3.6 | 5 |

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| 27 | . *Journal of Physics Condensed Matter*, **1996**, 8, 9359-9362 | 1.8 | 5 |
| 26 | Nonlocal WDA functional capable of describing the image potential of a metallic surface. *International Journal of Quantum Chemistry*, **2003**, 91, 139-144 | 2.1 | 5 |
| 25 | Density-functional approach to phase transitions of submonolayer films. II. The role of the relaxation mechanisms. *Physical Review B*, **1987**, 35, 3384-3393 | 3.3 | 5 |
| 24 | Collective effects of torsion in FtsZ filaments. *Physical Review E*, **2016**, 93, 042407 | 2.4 | 4 |
| 23 | Mesoscopic Hamiltonian for the fluctuations of adsorbed Lennard-Jones liquid films. *Physical Review E*, **2015**, 91, 062404 | 2.4 | 4 |
| 22 | Thermodynamic and electronic properties of a tight-binding lattice-gas model. *Journal of Physics Condensed Matter*, **1997**, 9, 9799-9810 | 1.8 | 4 |
| 21 | Validation of a glue-model approach in a tight-binding hard-sphere model for hot fluid metals. *Physical Review B*, **2005**, 71, | 3.3 | 4 |
| 20 | Lattice-gas model driven by Hubbard electrons. *Physical Review E*, **1999**, 60, 2626-35 | 2.4 | 4 |
| 19 | Density functional approximation for the kinetic energy of independent electrons in one dimension. *Physica A: Statistical Mechanics and Its Applications*, **1992**, 180, 225-240 | 3.3 | 4 |
| 18 | Cluster variational method for a fluid in a narrow capillary. *Physical Review A*, **1990**, 42, 7340-7346 | 2.6 | 4 |
| 17 | Aggregation models at high packing fraction. *Physical Review E*, **2000**, 62, 7147-54 | 2.4 | 3 |
| 16 | Phase transitions at solid-fluid interfaces: theoretical description of the transverse structure. *Surface Science*, **1991**, 251-252, 628-634 | 1.8 | 3 |
| 15 | On the validity of certain integro-differential equations for the density–orientation profile of molecular fluid interfaces. *Chemical Physics Letters*, **1983**, 97, 279-282 | 2.5 | 3 |
| 14 | Self-organization of curved living polymers: FtsZ protein filaments. *Soft Matter*, **2009**, | 3.6 | 2 |
| 13 | Electrical conductivity of a tight-binding hard-sphere model for hot fluid metals. *Physical Review B*, **2005**, 71, | 3.3 | 2 |
| 12 | Capillarity and Wetting. *Physica Scripta*, **1987**, T19B, 369-374 | 2.6 | 2 |
| 11 | Pairwise correlations and wetting transitions at a solid-gas interface. *Surface Science*, **1983**, 125, 298-303 | 1.8 | 2 |
| 10 | Surface stress of curved solid-fluid interfaces. *Surface Science*, **1981**, 111, L733-L738 | 1.8 | 2 |

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|---|---|---|---|
| 9 | A Novel Technique To Predict the Solubility of Planar Molecules. *Energy & Fuels*, **2016**, 30, 10747-10757 | 4.1 | 1 |
| 8 | Thermodynamic properties and electrical conductivity of a tight-binding hard-sphere model for liquid metals. *Journal of Non-Crystalline Solids*, **2007**, 353, 3523-3527 | 3.9 | 1 |
| 7 | Gibbs-ensemble Monte Carlo simulation for the liquid-vapor coexistence of alkali fluids. *Journal of Non-Crystalline Solids*, **1996**, 205-207, 897-900 | 3.9 | 1 |
| 6 | Non-local effects in the density functional treatment of the Wigner crystal. *Journal of Physics C: Solid State Physics*, **1986**, 19, 2431-2440 | | 1 |
| 5 | Effects of the electrostatic forces in the structure of molecular interphases. *Molecular Physics*, **1985** , 54, 1073-1083 | 1.7 | 1 |
| 4 | Density correlation in liquid surfaces: Bedeaux-Weeks high order terms and non capillary wave background. *Journal of Chemical Physics*, **2018**, 149, 124704 | 3.9 | 0 |
| 3 | Thermodynamic and electronic properties of a hard-sphere fluid interacting self consistently with its tight-binding electrons. *Journal of Non-Crystalline Solids*, **2002**, 312-314, 242-246 | 3.9 | |
| 2 | Gutzwiller approximation for a Hubbard lattice gas. *Journal of Non-Crystalline Solids*, **1999**, 250-252, 20-23 | 3.9 | |
| 1 | Calculated structure, phase coexistence, and electrical conductivity of the alkali fluids. *Journal of Non-Crystalline Solids*, **1996**, 205-207, 251-255 | 3.9 | |