

# Catalina Haro-PÃ©rez

## List of Publications by Year in descending order

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papers

393  
citations

687363

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794594

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29  
all docs

29  
docs citations

29  
times ranked

589  
citing authors

#	ARTICLE	IF	CITATIONS
1	Rotational and translational microrheology from shape-anisotropic particles. Journal of Physics Condensed Matter, 2022, 34, 334002.	1.8	2
2	Effect of Temperature on the Cononsolvency of Poly(N-isopropylacrylamide) (PNIPAM) in Aqueous 1-Propanol. ACS Applied Polymer Materials, 2019, 1, 2961-2972.	4.4	19
3	Accounting for effective interactions among charged microgels. Physical Review E, 2019, 100, 032602.	2.1	9
4	P-NIPAM in water- $\alpha$ -acetone mixtures: experiments and simulations. Physical Chemistry Chemical Physics, 2019, 21, 5106-5116.	2.8	17
5	Evidence of electrostatic-enhanced depletion attraction in the structural properties and phase behavior of binary charged colloidal suspensions. Soft Matter, 2018, 14, 1355-1364.	2.7	15
6	Multifractal detrended fluctuation analysis of intensity time series of photons scattered by tracer particles within a polymeric gel. Physica A: Statistical Mechanics and Its Applications, 2018, 490, 994-1003.	2.6	3
7	Massive replica exchange Monte Carlo algorithm: a tool to access high pressure thermodynamics of hard systems. Physical Chemistry Chemical Physics, 2018, 20, 27490-27500.	2.8	6
8	Gel Point Determination of TEOS-Based Polymeric Materials with Application on Conservation of Cultural Heritage Buildings. Advances in Condensed Matter Physics, 2018, 2018, 1-7.	1.1	4
9	Exposure to silver nanoparticles produces oxidative stress and affects macromolecular and metabolic biomarkers in the goodeid fish <i>Chapalichthys pardalis</i> . Science of the Total Environment, 2017, 583, 308-318.	8.0	65
10	Characterization of slow dynamics in turbid colloidal systems by a cross-correlation scheme based on echo dynamic light scattering. Applied Optics, 2016, 55, 8806.	2.1	7
11	Simultaneous characterization of rotational and translational diffusion of optically anisotropic particles by optical microscopy. Journal of Physics Condensed Matter, 2016, 28, 195201.	1.8	26
12	Impact of volume transition on the net charge of poly- $N$ -isopropyl acrylamide microgels. Physical Review E, 2016, 94, 032601.	2.1	23
13	Investigating the time dynamics of photon sequences scattered by tracer particles immersed in a polymeric gel. Europhysics Letters, 2016, 115, 47004.	2.0	3
14	Using a Parallel Genetic Algorithm to Fit a Pulsed Townsend Discharge Simulation to Experiments. Communications in Computer and Information Science, 2016, , 343-355.	0.5	2
15	Interplay between internal structure and optical properties of thermosensitive nanogels. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2015, 482, 724-727.	4.7	22
16	Study of translational and rotational dynamics of birefringent colloidal particles by depolarized light scattering in the far- and near-field regimes. Journal of Chemical Physics, 2015, 143, 044902.	3.0	10
17	Three dimensional cross-correlation dynamic light scattering by non-ergodic turbid media. Journal of Chemical Physics, 2011, 134, 244902.	3.0	13
18	Colloidal motion in confined viscoelastic systems. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2010, 361, 7-12.	4.7	1

#	ARTICLE	IF	CITATIONS
19	Dynamic Arrest in Charged Colloidal Systems Exhibiting Large-Scale Structural Heterogeneities. <i>Physical Review Letters</i> , 2009, 102, 018301.	7.8	18
20	Confinement-induced fluid-gel transition in polymeric solutions. <i>Langmuir</i> , 2009, 25, 8911-8914.	3.5	12
21	Adsorption of soy protein isolate at air-water and oil-water interfaces. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2008, 323, 155-162.	4.7	23
22	Microrheology of viscoelastic fluids containing light-scattering inclusions. <i>Physical Review E</i> , 2007, 75, 041505.	2.1	18
23	Renormalization in charged colloids: non-monotonic behaviour with the surface charge. <i>Journal of Physics Condensed Matter</i> , 2006, 18, L363-L369.	1.8	8
24	Probing the jellium model with colloidal dispersions of charged liposomes. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2005, 270-271, 352-356.	4.7	9
25	Effective charges of colloidal particles obtained from collective diffusion experiments. <i>Journal of Colloid and Interface Science</i> , 2003, 263, 74-79.	9.4	22
26	Liquidlike structures in dilute suspensions of charged liposomes. <i>Journal of Chemical Physics</i> , 2003, 118, 5167-5173.	3.0	19
27	Interplay between hydrodynamic and direct interactions using liposomes. <i>Journal of Chemical Physics</i> , 2003, 119, 628-634.	3.0	16