Luis F Rojas-Ochoa

List of Publications by Year
in descending order

25 papers	650 citations	759233 12 h-index	642732 23 g-index
26 all docs	26 docs citations	26 times ranked	699 citing authors

#	Article	IF	Citations
1	Photonic Properties of Strongly Correlated Colloidal Liquids. Physical Review Letters, 2004, 93, 073903.	7.8	110
2	Depolarization of backscattered linearly polarized light. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2004, 21, 1799.	1.5	105
3	Structure, Dynamics, and Optical Properties of Concentrated Milk Suspensions: An Analogy to Hard-Sphere Liquids. Journal of Colloid and Interface Science, 2002, 253, 35-46.	9.4	85
4	Transport of light in amorphous photonic materials. Applied Physics Letters, 2007, 91, .	3.3	56
5	Diffusing wave spectroscopy and small-angle neutron scattering from concentrated colloidal suspensions. Physical Review E, 2002, 65, 051403.	2.1	55
6	Density Dependent Interactions and Structure of Charged Colloidal Dispersions in the Weak Screening Regime. Physical Review Letters, 2008, 100, 178304.	7.8	54
7	Macroion correlation effects in electrostatic screening and thermodynamics of highly charged colloids. Physical Review E, 2006, 74, 051408.	2.1	31
8	Impact of volume transition on the net charge of poly-<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>N</mml:mi></mml:math>-isopropyl acrylamide microgels. Physical Review E, 2016, 94, 032601.	2.1	23
9	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
10	Dynamic Arrest in Charged Colloidal Systems Exhibiting Large-Scale Structural Heterogeneities. Physical Review Letters, 2009, 102, 018301.	7.8	18
11	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
12	Three dimensional cross-correlation dynamic light scattering by non-ergodic turbid media. Journal of Chemical Physics, 2011, 134, 244902.	3.0	13
13	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
14	Accounting for effective interactions among charged microgels. Physical Review E, 2019, 100, 032602.	2.1	9
15	On the calculation of the structure of charge-stabilized colloidal dispersions using density-dependent potentials. Journal of Physics Condensed Matter, 2012, 24, 065102.	1.8	7
16	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
17	Investigation of moderately turbid suspensions by heterodyne near field scattering. Soft Matter, 2017, 13, 5961-5969.	2.7	7
18	Effect of ionic strength on the aggregation kinetics of the amidated amyloid beta peptide Aî² (1-40) in aqueous solutions. Biophysical Chemistry, 2017, 228, 98-107.	2.8	6

#	Article	IF	Citations
19	Refractive index matching of large polydisperse silica spheres in aqueous suspensions. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2018, 538, 320-326.	4.7	5
20	Time-resolved study of optical properties and microscopic dynamics during the drying of TiO_2 films by spectral diffusing wave spectroscopy. Applied Optics, 2018, 57, 208.	1.8	5
21	Investigating the time dynamics of photon sequences scattered by tracer particles immersed in a polymeric gel. Europhysics Letters, 2016, 115, 47004.	2.0	3
22	PhotonSTR-18: A LabVIEW toolbox for photon correlation spectroscopy. SoftwareX, 2021, 13, 100640.	2.6	3
23	Spectral intensity correlations of backscattered diffuse light: the effect of scattering anisotropy. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2020, 37, 1650.	1.5	1
24	Depolarization of Multiple Scattered Reflected Light. AIP Conference Proceedings, 2007, , .	0.4	0
25	Time resolved study of optical properties and microscopic dynamics during the drying of TiO2 films by spectral diffusing wave spectroscopy. , 2018, , .		0