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	PhotonSTR-18: A LabVIEW toolbox for photon correlation spectroscopy. SoftwareX, 2021, 13, 100640.	2.6	3
2	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
3	Accounting for effective interactions among charged microgels. Physical Review E, 2019, 100, 032602.	2.1	9
4	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
5	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
6	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
7	Time resolved study of optical properties and microscopic dynamics during the drying of TiO2 films by spectral diffusing wave spectroscopy. , 2018, , .		0
8	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
9	Investigation of moderately turbid suspensions by heterodyne near field scattering. Soft Matter, 2017, 13, 5961-5969.	2.7	7
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	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
12	Investigating the time dynamics of photon sequences scattered by tracer particles immersed in a polymeric gel. Europhysics Letters, 2016, 115, 47004.	2.0	3
13	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
14	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
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	Three dimensional cross-correlation dynamic light scattering by non-ergodic turbid media. Journal of Chemical Physics, 2011, 134, 244902.	3.0	13
17	Dynamic Arrest in Charged Colloidal Systems Exhibiting Large-Scale Structural Heterogeneities. Physical Review Letters, 2009, 102, 018301.	7.8	18
18	Density Dependent Interactions and Structure of Charged Colloidal Dispersions in the Weak Screening Regime. Physical Review Letters, 2008, 100, 178304.	7.8	54

#	Article	IF	Citations
19	Transport of light in amorphous photonic materials. Applied Physics Letters, 2007, 91, .	3.3	56
20	Depolarization of Multiple Scattered Reflected Light. AIP Conference Proceedings, 2007, , .	0.4	0
21	Macroion correlation effects in electrostatic screening and thermodynamics of highly charged colloids. Physical Review E, 2006, 74, 051408.	2.1	31
22	Photonic Properties of Strongly Correlated Colloidal Liquids. Physical Review Letters, 2004, 93, 073903.	7.8	110
23	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
24	Diffusing wave spectroscopy and small-angle neutron scattering from concentrated colloidal suspensions. Physical Review E, 2002, 65, 051403.	2.1	55
25	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