

Laurence Ramos

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

55 papers	1,982 citations	24 h-index	44 g-index
60 ext. papers	2,216 ext. citations	6.4 avg, IF	4.73 L-index

#	Paper	IF	Citations
55	Conducting polymer nanostructures for photocatalysis under visible light. <i>Nature Materials</i> , 2015 , 14, 505-11	27	454
54	Bimetallic Palladium-Gold Nanostructures: Application in Ethanol Oxidation. <i>Chemistry of Materials</i> , 2009 , 21, 3677-3683	9.6	183
53	Palladium Nanowires Synthesized in Hexagonal Mesophases: Application in Ethanol Electrooxidation. <i>Chemistry of Materials</i> , 2009 , 21, 1612-1617	9.6	132
52	Synthesis of Ultrathin Hexagonal Palladium Nanosheets. <i>Chemistry of Materials</i> , 2009 , 21, 5170-5175	9.6	90
51	Visible-light active conducting polymer nanostructures with superior photocatalytic activity. <i>Scientific Reports</i> , 2015 , 5, 18002	4.9	75
50	PEDOT nanostructures synthesized in hexagonal mesophases. <i>New Journal of Chemistry</i> , 2014 , 38, 1106-1115	3.6	62
49	Synthesis of Porous Platinum Nanoballs in Soft Templates. <i>Chemistry of Materials</i> , 2007 , 19, 5045-5048	9.6	62
48	Highly Swollen Liquid Crystals as New Reactors for the Synthesis of Nanomaterials. <i>Chemistry of Materials</i> , 2005 , 17, 1505-1514	9.6	62
47	Existence and stability of new nanoreactors: highly swollen hexagonal liquid crystals. <i>Langmuir</i> , 2005 , 21, 4362-9	4	59
46	Highly active poly(3-hexylthiophene) nanostructures for photocatalysis under solar light. <i>Applied Catalysis B: Environmental</i> , 2017 , 209, 23-32	21.8	55
45	Swelling of a Lyotropic Hexagonal Phase by Monitoring the Radius of the Cylinders. <i>Langmuir</i> , 1997 , 13, 682-686	4	53
44	Palladium Nanoballs Synthesized in Hexagonal Mesophases. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 10740-10744	3.8	42
43	From self-assembly of platinum nanoparticles to nanostructured materials. <i>Small</i> , 2005 , 1, 964-7	11	41
42	Microscopic dynamics and failure precursors of a gel under mechanical load. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 3587-3592	11.5	37
41	Spontaneous gelation of wheat gluten proteins in a food grade solvent. <i>Food Hydrocolloids</i> , 2016 , 52, 1-10	10.6	34
40	Polymeric assembly of gluten proteins in an aqueous ethanol solvent. <i>Journal of Physical Chemistry B</i> , 2014 , 118, 11065-76	3.4	30
39	Tuning the Porosity of Bimetallic Nanostructures by a Soft Templating Approach. <i>Advanced Functional Materials</i> , 2012 , 22, 4900-4908	15.6	30

38	Polypyrrole nanostructures modified with mono- and bimetallic nanoparticles for photocatalytic H ₂ generation. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 268-277	13	30
37	Facile synthesis of palladium nanowires by a soft templating method. <i>New Journal of Chemistry</i> , 2012 , 36, 2135	3.6	29
36	Conducting polymer nanofibers with controlled diameters synthesized in hexagonal mesophases. <i>New Journal of Chemistry</i> , 2015 , 39, 8311-8320	3.6	28
35	Free radially expanding liquid sheet in air: time- and space-resolved measurement of the thickness field. <i>Journal of Fluid Mechanics</i> , 2015 , 764, 428-444	3.7	28
34	Collective rearrangement at the onset of flow of a polycrystalline hexagonal columnar phase. <i>Physical Review Letters</i> , 2006 , 97, 258303	7.4	28
33	Existence, stability and structure of a hexagonal phase doped with nanoparticles. <i>European Physical Journal B</i> , 1998 , 1, 319-326	1.2	27
32	Hairy Wormlike Micelles: Structure and Interactions. <i>Langmuir</i> , 2002 , 18, 5687-5694	4	25
31	Plasticity of a colloidal polycrystal under cyclic shear. <i>Physical Review Letters</i> , 2014 , 113, 078301	7.4	24
30	Bursting of Dilute Emulsion-Based Liquid Sheets Driven by a Marangoni Effect. <i>Physical Review Letters</i> , 2015 , 115, 198302	7.4	23
29	Small angle neutron scattering contrast variation reveals heterogeneities of interactions in protein gels. <i>Soft Matter</i> , 2016 , 12, 5340-52	3.6	22
28	Swollen hexagonal liquid crystals as smart nanoreactors: implementation in materials chemistry for energy applications. <i>Nanoscale</i> , 2018 , 10, 5793-5819	7.7	19
27	Multistep building of a soft plant protein film at the air-water interface. <i>Journal of Colloid and Interface Science</i> , 2018 , 526, 337-346	9.3	18
26	Magnetic field induced instabilities of a doped lyotropic hexagonal phase. <i>European Physical Journal B</i> , 1999 , 8, 67-72	1.2	17
25	Microscopic precursors of failure in soft matter. <i>Soft Matter</i> , 2020 , 16, 82-93	3.6	16
24	A stress-controlled shear cell for small-angle light scattering and microscopy. <i>Review of Scientific Instruments</i> , 2016 , 87, 123907	1.7	15
23	Structural signature of a brittle-to-ductile transition in self-assembled networks. <i>Physical Review Letters</i> , 2011 , 107, 148302	7.4	12
22	Brittle fracture of polymer transient networks. <i>Journal of Rheology</i> , 2017 , 61, 1267-1275	4.1	11
21	The fingering to fracturing transition in a transient gel. <i>Soft Matter</i> , 2013 , 9, 7775	3.6	11

20	Nucleation and growth of micellar polycrystals under time-dependent volume fraction conditions. <i>Physical Review E</i> , 2013 , 87,	2.4	11
19	Coupling Space-Resolved Dynamic Light Scattering and Rheometry to Investigate Heterogeneous Flow and Nonaffine Dynamics in Glassy and Jammed Soft Matter. <i>Physical Review Applied</i> , 2019 , 11,	4.3	9
18	Phase separation dynamics of gluten protein mixtures. <i>Soft Matter</i> , 2019 , 15, 6160-6170	3.6	9
17	Copolymer-induced stabilizing effect of highly swollen hexagonal mesophases. <i>Langmuir</i> , 2008 , 24, 5221-4	4	9
16	Interplay between viscosity and elasticity in freely expanding liquid sheets. <i>Physical Review Fluids</i> , 2016 , 1,	2.8	9
15	Impact of Beads and Drops on a Repellent Solid Surface: A Unified Description. <i>Physical Review Letters</i> , 2018 , 120, 148003	7.4	8
14	Tailoring the Viscoelasticity of Polymer Gels of Gluten Proteins through Solvent Quality. <i>Macromolecules</i> , 2020 , 53, 9470-9479	5.5	7
13	Methods for Screening Cloud Point Temperatures. <i>Food Biophysics</i> , 2018 , 13, 422-431	3.2	7
12	Ductility versus Brittleness in Self-Assembled Transient Networks. <i>Progress of Theoretical Physics Supplement</i> , 2008 , 175, 47-53		6
11	Insight into gluten structure in a mild chaotropic solvent by asymmetrical flow field-flow fractionation (AsFFFF) and evidence of non-covalent assemblies between glutenin and Gliadin. <i>Food Hydrocolloids</i> , 2020 , 103, 105676	10.6	6
10	Model gluten gels. <i>Journal of Cereal Science</i> , 2017 , 75, 175-178	3.8	5
9	Sunflower Proteins at Air-Water and Oil-Water Interfaces. <i>Langmuir</i> , 2021 , 37, 2714-2727	4	5
8	Biaxial extensional viscous dissipation in sheets expansion formed by impact of drops of Newtonian and non-Newtonian fluids. <i>Physical Review Fluids</i> , 2020 , 5,	2.8	2
7	Thermodynamic insights on the liquid-liquid fractionation of gluten proteins in aqueous ethanol. <i>Food Hydrocolloids</i> , 2022 , 123, 107142	10.6	2
6	Viscoelasticity and elastocapillarity effects in the impact of drops on a repellent surface. <i>Soft Matter</i> , 2021 , 17, 5829-5837	3.6	1
5	Impact of the protein composition on the structure and viscoelasticity of polymer-like gluten gels. <i>Journal of Physics Condensed Matter</i> , 2021 ,	1.8	1
4	Flow of gluten with tunable protein composition: From stress undershoot to stress overshoot and strain hardening. <i>Physics of Fluids</i> , 2022 , 34, 051906	4.4	1
3	Role of Normal Stress in the Creep Dynamics and Failure of a Biopolymer Gel. <i>Physical Review Letters</i> , 2020 , 125, 268006	7.4	0

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| 2 | Impact of structural flexibility in the adsorption of wheat and sunflower proteins at an air/water interface. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022 , 648, 129317 | 5.1 | o |
| 1 | Controlling the volume fraction of glass-forming colloidal suspensions using thermosensitive host "mesogels".. <i>Journal of Chemical Physics</i> , 2022 , 156, 134901 | 3.9 | |