

Laurence Ramos

List of Publications by Year in Descending Order

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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.

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|-------------------|-------------------------|----------------|-----------------|
| 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 | Thermodynamic insights on the liquid-liquid fractionation of gluten proteins in aqueous ethanol. <i>Food Hydrocolloids</i> , 2022 , 123, 107142 | 10.6 | 2 |
| 54 | Controlling the volume fraction of glass-forming colloidal suspensions using thermosensitive host "mesogels".. <i>Journal of Chemical Physics</i> , 2022 , 156, 134901 | 3.9 | |
| 53 | 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 |
| 52 | 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 | 0 |
| 51 | Viscoelasticity and elastocapillarity effects in the impact of drops on a repellent surface. <i>Soft Matter</i> , 2021 , 17, 5829-5837 | 3.6 | 1 |
| 50 | 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 |
| 49 | Sunflower Proteins at Air-Water and Oil-Water Interfaces. <i>Langmuir</i> , 2021 , 37, 2714-2727 | 4 | 5 |
| 48 | 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 |
| 47 | 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 |
| 46 | 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 |
| 45 | Microscopic precursors of failure in soft matter. <i>Soft Matter</i> , 2020 , 16, 82-93 | 3.6 | 16 |
| 44 | 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 |
| 43 | Tailoring the Viscoelasticity of Polymer Gels of Gluten Proteins through Solvent Quality. <i>Macromolecules</i> , 2020 , 53, 9470-9479 | 5.5 | 7 |
| 42 | 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 |
| 41 | Phase separation dynamics of gluten protein mixtures. <i>Soft Matter</i> , 2019 , 15, 6160-6170 | 3.6 | 9 |
| 40 | Swollen hexagonal liquid crystals as smart nanoreactors: implementation in materials chemistry for energy applications. <i>Nanoscale</i> , 2018 , 10, 5793-5819 | 7.7 | 19 |
| 39 | Impact of Beads and Drops on a Repellent Solid Surface: A Unified Description. <i>Physical Review Letters</i> , 2018 , 120, 148003 | 7.4 | 8 |

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|----|---|------|-----|
| 38 | 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 |
| 37 | Methods for Screening Cloud Point Temperatures. <i>Food Biophysics</i> , 2018 , 13, 422-431 | 3.2 | 7 |
| 36 | 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 |
| 35 | Highly active poly(3-hexylthiophene) nanostructures for photocatalysis under solar light. <i>Applied Catalysis B: Environmental</i> , 2017 , 209, 23-32 | 21.8 | 55 |
| 34 | Model gluten gels. <i>Journal of Cereal Science</i> , 2017 , 75, 175-178 | 3.8 | 5 |
| 33 | Brittle fracture of polymer transient networks. <i>Journal of Rheology</i> , 2017 , 61, 1267-1275 | 4.1 | 11 |
| 32 | Spontaneous gelation of wheat gluten proteins in a food grade solvent. <i>Food Hydrocolloids</i> , 2016 , 52, 1-10 | 10.6 | 34 |
| 31 | Interplay between viscosity and elasticity in freely expanding liquid sheets. <i>Physical Review Fluids</i> , 2016 , 1, | 2.8 | 9 |
| 30 | A stress-controlled shear cell for small-angle light scattering and microscopy. <i>Review of Scientific Instruments</i> , 2016 , 87, 123907 | 1.7 | 15 |
| 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 | Conducting polymer nanostructures for photocatalysis under visible light. <i>Nature Materials</i> , 2015 , 14, 505-11 | 27 | 454 |
| 27 | Conducting polymer nanofibers with controlled diameters synthesized in hexagonal mesophases. <i>New Journal of Chemistry</i> , 2015 , 39, 8311-8320 | 3.6 | 28 |
| 26 | Visible-light active conducting polymer nanostructures with superior photocatalytic activity. <i>Scientific Reports</i> , 2015 , 5, 18002 | 4.9 | 75 |
| 25 | 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 |
| 24 | Bursting of Dilute Emulsion-Based Liquid Sheets Driven by a Marangoni Effect. <i>Physical Review Letters</i> , 2015 , 115, 198302 | 7.4 | 23 |
| 23 | PEDOT nanostructures synthesized in hexagonal mesophases. <i>New Journal of Chemistry</i> , 2014 , 38, 1106-1115 | 3.6 | 62 |
| 22 | Plasticity of a colloidal polycrystal under cyclic shear. <i>Physical Review Letters</i> , 2014 , 113, 078301 | 7.4 | 24 |
| 21 | Polymeric assembly of gluten proteins in an aqueous ethanol solvent. <i>Journal of Physical Chemistry B</i> , 2014 , 118, 11065-76 | 3.4 | 30 |

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|----|---|------|-----|
| 20 | The fingering to fracturing transition in a transient gel. <i>Soft Matter</i> , 2013 , 9, 7775 | 3.6 | 11 |
| 19 | Nucleation and growth of micellar polycrystals under time-dependent volume fraction conditions. <i>Physical Review E</i> , 2013 , 87, | 2.4 | 11 |
| 18 | Facile synthesis of palladium nanowires by a soft templating method. <i>New Journal of Chemistry</i> , 2012 , 36, 2135 | 3.6 | 29 |
| 17 | Tuning the Porosity of Bimetallic Nanostructures by a Soft Templating Approach. <i>Advanced Functional Materials</i> , 2012 , 22, 4900-4908 | 15.6 | 30 |
| 16 | Structural signature of a brittle-to-ductile transition in self-assembled networks. <i>Physical Review Letters</i> , 2011 , 107, 148302 | 7.4 | 12 |
| 15 | Palladium Nanowires Synthesized in Hexagonal Mesophases: Application in Ethanol Electrooxidation. <i>Chemistry of Materials</i> , 2009 , 21, 1612-1617 | 9.6 | 132 |
| 14 | Bimetallic Palladium-Gold Nanostructures: Application in Ethanol Oxidation. <i>Chemistry of Materials</i> , 2009 , 21, 3677-3683 | 9.6 | 183 |
| 13 | Synthesis of Ultrathin Hexagonal Palladium Nanosheets. <i>Chemistry of Materials</i> , 2009 , 21, 5170-5175 | 9.6 | 90 |
| 12 | Palladium Nanoballs Synthesized in Hexagonal Mesophases. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 10740-10744 | 3.8 | 42 |
| 11 | Copolymer-induced stabilizing effect of highly swollen hexagonal mesophases. <i>Langmuir</i> , 2008 , 24, 5221-5224 | 14 | 9 |
| 10 | Ductility versus Brittleness in Self-Assembled Transient Networks. <i>Progress of Theoretical Physics Supplement</i> , 2008 , 175, 47-53 | | 6 |
| 9 | Synthesis of Porous Platinum Nanoballs in Soft Templates. <i>Chemistry of Materials</i> , 2007 , 19, 5045-5048 | 9.6 | 62 |
| 8 | Collective rearrangement at the onset of flow of a polycrystalline hexagonal columnar phase. <i>Physical Review Letters</i> , 2006 , 97, 258303 | 7.4 | 28 |
| 7 | Highly Swollen Liquid Crystals as New Reactors for the Synthesis of Nanomaterials. <i>Chemistry of Materials</i> , 2005 , 17, 1505-1514 | 9.6 | 62 |
| 6 | From self-assembly of platinum nanoparticles to nanostructured materials. <i>Small</i> , 2005 , 1, 964-7 | 11 | 41 |
| 5 | Existence and stability of new nanoreactors: highly swollen hexagonal liquid crystals. <i>Langmuir</i> , 2005 , 21, 4362-9 | 4 | 59 |
| 4 | Hairy Wormlike Micelles: Structure and Interactions. <i>Langmuir</i> , 2002 , 18, 5687-5694 | 4 | 25 |
| 3 | Magnetic field induced instabilities of a doped lyotropic hexagonal phase. <i>European Physical Journal B</i> , 1999 , 8, 67-72 | 1.2 | 17 |

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|---|---|-----|----|
| 2 | Existence, stability and structure of a hexagonal phase doped with nanoparticles. <i>European Physical Journal B</i> , 1998 , 1, 319-326 | 1.2 | 27 |
| 1 | Swelling of a Lyotropic Hexagonal Phase by Monitoring the Radius of the Cylinders. <i>Langmuir</i> , 1997 , 13, 682-686 | 4 | 53 |