# Leonardo Chiappisi

List of Publications by Year
in descending order



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|---|---|---|---|
| 48 papers | 1,524 citations | 279487 23 h-index | 315357 38 g-index |
| 50 all docs | 50 docs citations | 50 times ranked | 2104 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | A structural comparison of halloysite nanotubes of different origin by Small-Angle Neutron Scattering (SANS) and Electric Birefringence. Applied Clay Science, 2018, 160, 71-80. | 2.6 | 164 |
| 2 | Complexes of oppositely charged polyelectrolytes and surfactants â€“ recent developments in the field of biologically derived polyelectrolytes. Soft Matter, 2013, 9, 3896. | 1.2 | 140 |
| 3 | Structural water as an essential comonomer in supramolecular polymerization. Science Advances, 2017, 3, eaao0900. | 4.7 | 139 |
| 4 | Chitosan-based smart hybrid materials: a physico-chemical perspective. Journal of Materials Chemistry B, 2021, 9, 594-611. | 2.9 | 103 |
| 5 | Co-assembly in chitosanâ€“surfactant mixtures: thermodynamics, structures, interfacial properties and applications. Advances in Colloid and Interface Science, 2015, 220, 92-107. | 7.0 | 87 |
| 6 | Probing the Microstructure of Nonionic Microemulsions with Ethyl Oleate by Viscosity, ROESY, DLS, SANS, and Cyclic Voltammetry. Langmuir, 2012, 28, 10640-10652. | 1.6 | 56 |
| 7 | Micellar enhanced ultrafiltration (MEUF) of metal cations with oleylethoxycarboxylate. Journal of Membrane Science, 2015, 478, 140-147. | 4.1 | 50 |
| 8 | Fundamentals and Applications of Polymer Brushes in Air. ACS Applied Polymer Materials, 2022, 4, 3062-3087. | 2.0 | 44 |
| 9 | Chitosan/Alkylethoxy Carboxylates: A Surprising Variety of Structures. Langmuir, 2014, 30, 1778-1787. | 1.6 | 42 |
| 10 | Theoretical study on the adsorption of pyridine derivatives on graphene. Chemical Physics Letters, 2011, 510, 220-223. | 1.2 | 39 |
| 11 | Polyoxyethylene alkyl ether carboxylic acids: An overview of a neglected class of surfactants with multiresponsive properties. Advances in Colloid and Interface Science, 2017, 250, 79-94. | 7.0 | 39 |
| 12 | Enzymatically Cross-Linked Hyperbranched Polyglycerol Hydrogels as Scaffolds for Living Cells. Biomacromolecules, 2014, 15, 3881-3890. | 2.6 | 38 |
| 13 | A journey through the phase diagram of a pharmaceutically relevant microemulsion system. Journal of Colloid and Interface Science, 2016, 473, 52-59. | 5.0 | 38 |
| 14 | Toward Bioderived Intelligent Nanocarriers for Controlled Pollutant Recovery and pH-Sensitive Binding. ACS Applied Materials & Interfaces, 2015, 7, 6139-6145. | 4.0 | 37 |
| 15 | From Crab Shells to Smart Systems: Chitosanâ€“Alkylethoxy Carboxylate Complexes. Langmuir, 2014, 30, 10608-10616. | 1.6 | 33 |
| 16 | Structure-related differences in the temperature-regulated fluorescence response of LCST type polymers. Journal of Materials Chemistry C, 2013, 1, 6603. | 2.7 | 31 |
| 17 | Interaction of the signaling state analog and the apoprotein form of the orange carotenoid protein with the fluorescence recovery protein. Photosynthesis Research, 2018, 135, 125-139. | 1.6 | 31 |
| 18 | Cyclodextrin/surfactant inclusion complexes: An integrated view of their thermodynamic and structural properties. Advances in Colloid and Interface Science, 2021, 289, 102375. | 7.0 | 30 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Ion Selectivity in Nonpolymeric Thermosensitive Systems Induced by Waterâ€Attenuated Supramolecular Recognition. Chemistry - A European Journal, 2018, 24, 3854-3861. | 1.7 | 28 |
| 20 | Oleylethoxycarboxylate â€“ An efficient surfactant for copper extraction and surfactant recycling via micellar enhanced ultrafiltration. Journal of Colloid and Interface Science, 2014, 421, 184-190. | 5.0 | 26 |
| 21 | Mimicking of Chondrocyte Microenvironment Using In Situ Forming Dendritic Polyglycerol Sulfateâ€Based Synthetic Polyanionic Hydrogels. Macromolecular Bioscience, 2016, 16, 580-590. | 2.1 | 26 |
| 22 | An improved method for analyzing isothermal titration calorimetry data from oppositely charged surfactant polyelectrolyte mixtures. Journal of Chemical Thermodynamics, 2014, 68, 48-52. | 1.0 | 25 |
| 23 | Catanionic surfactant systemsâ€"thermodynamic and structural conditions revisited. Colloid and Polymer Science, 2015, 293, 3131-3143. | 1.0 | 23 |
| 24 | Micellar enhanced ultrafiltration (MEUF) of methylene blue with carboxylate surfactants. Separation and Purification Technology, 2018, 199, 20-26. | 3.9 | 19 |
| 25 | Formation and Growth of Mesoglobules in Aqueous Poly(N-isopropylacrylamide) Solutions Revealed with Kinetic Small-Angle Neutron Scattering and Fast Pressure Jumps. ACS Macro Letters, 2018, 7, 1155-1160. | 2.3 | 19 |
| 26 | Precipitating polyelectrolyteâ€"surfactant systems by admixing a nonionic surfactant â€“ a case of cononsurfactancy. Soft Matter, 2017, 13, 4988-4996. | 1.2 | 18 |
| 27 | Kinetics of Mesoglobule Formation and Growth in Aqueous Poly(N-isopropylacrylamide) Solutions: Pressure Jumps at Low and at High Pressure. Macromolecules, 2019, 52, 6416-6427. | 2.2 | 18 |
| 28 | Structural control of polyelectrolyte/microemulsion droplet complexes (PEMECs) with different polyacrylates. Chemical Science, 2019, 10, 385-397. | 3.7 | 15 |
| 29 | A Small-Angle Neutron Scattering Environment for In-Situ Observation of Chemical Processes. Scientific Reports, 2018, 8, 7299. | 1.6 | 14 |
| 30 | Temperatureâ€Regulated Fluorescence Characteristics of Supramolecular Assemblies Formed By a Smart Polymer and a Conjugated Polyelectrolyte. Macromolecular Chemistry and Physics, 2013, 214, 435-445. | 1.1 | 13 |
| 31 | Neutralisation rate controls the self-assembly of pH-sensitive surfactants. Soft Matter, 2019, 15, 8611-8620. | 1.2 | 13 |
| 32 | Looking into Limoncello: The Structure of the Italian Liquor Revealed by Small-Angle Neutron Scattering. ACS Omega, 2018, 3, 15407-15415. | 1.6 | 12 |
| 33 | Aggregation behavior of surfactants with cationic and anionic dendronic head groups. Journal of Colloid and Interface Science, 2019, 534, 430-439. | 5.0 | 12 |
| 34 | PyDSC: a simple tool to treat differential scanning calorimetry data. Journal of Thermal Analysis and Calorimetry, 2021, 145, 403-409. | 2.0 | 12 |
| 35 | Quantitative Description of Temperature Induced Self-Aggregation Thermograms Determined by Differential Scanning Calorimetry. Langmuir, 2012, 28, 17609-17616. | 1.6 | 11 |
| 36 | Form factor of cylindrical superstructures composed of globular particles. Journal of Applied Crystallography, 2014, 47, 827-834. | 1.9 | 11 |

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|---|---|---|---|
| 37 | One-step procedure for the preparation of functional polysaccharide/fatty acid multilayered coatings. Communications Chemistry, 2019, 2, . | 2.0 | 10 |
| 38 | Pressure Dependence of the Cononsolvency Effect in Aqueous Poly(N-isopropylacrylamide) Solutions: A SANS Study. Macromolecules, 2020, 53, 3946-3955. | 2.2 | 10 |
| 39 | Organized Hybrid Molecular Films from Natural Phospholipids and Synthetic Block Copolymers: A Physicochemical Investigation. Langmuir, 2020, 36, 10941-10951. | 1.6 | 9 |
| 40 | Effect of the supramolecular interactions on the nanostructure of halloysite/biopolymer hybrids: a comprehensive study by SANS, fluorescence correlation spectroscopy and electric birefringence. Physical Chemistry Chemical Physics, 2020, 22, 8193-8202. | 1.3 | 9 |
| 41 | Temperature-Regulated Fluorescence and Association of an Oligo(ethyleneglycol)methacrylate-Based Copolymer with a Conjugated Polyelectrolyteâ€"The Effect of Solution Ionic Strength. Journal of Physical Chemistry B, 2013, 117, 14576-14587. | 1.2 | 7 |
| 42 | PolyWhips: Directional Particle Transport by Gradientâ€Directed Growth and Stiffening of Supramolecular Assemblies. Advanced Materials, 2017, 29, 1604430. | 11.1 | 5 |
| 43 | On the effect of the nature of counterions on the self-assembly of polyoxyethylene alkyl ether carboxylic acids. Soft Matter, 2020, 16, 7137-7143. | 1.2 | 5 |
| 44 | Effect of Polymer Length on the Adsorption onto Aluminogermanate Imogolite Nanotubes. Langmuir, 2021, 37, 9858-9864. | 1.6 | 4 |
| 45 | Membrane stiffening in Chitosan mediated multilamellar vesicles of alkyl ether carboxylates. Journal of Colloid and Interface Science, 2022, 627, 160-167. | 5.0 | 3 |
| 46 | Nanoscale disintegration kinetics of mesoglobules in aqueous poly(N-isopropylacrylamide) solutions revealed by small-angle neutron scattering and pressure jumps. Nanoscale, 2021, 13, 13421-13426. | 2.8 | 2 |
| 47 | Structural characterization of clay systems by small-angle scattering. , 2020, , 37-65. | | 1 |
| 48 | Investigations in the Stranski-Laboratorium of the TU Berlin â€“ Physical Chemistry of Colloidal Systems â€“ Going Towards Complexity and Functionality. Tenside, Surfactants, Detergents, 2012, 49, 256-265. | 0.5 | 0 |