

Viviana Cristiglio

List of Publications by Year in descending order

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55
papers

1,052
citations

471509

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h-index

454955

30
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all docs

61
docs citations

61
times ranked

1220
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantification of Buckminsterfullerene (C60) in non-graphitizing carbon and a microstructural comparison of graphitizing and non-graphitizing carbon via Small Angle Neutron Scattering. Carbon, 2022, 189, 362-368.	10.3	7
2	Impact of lyoprotectors on protein-protein separation in the solid state: Neutron- and X-ray-scattering investigation. Biochimica Et Biophysica Acta - General Subjects, 2022, 1866, 130101.	2.4	2
3	Influence of the Surfactant Tail Length on the Viscosity of Oppositely Charged Polyelectrolyte/Surfactant Complexes. Macromolecules, 2021, 54, 2529-2540.	4.8	7
4	Melting transition of oriented Li ⁺ DNA fibers submerged in ethanol solutions. Biopolymers, 2021, 112, e23422.	2.4	0
5	Zinc determines dynamical properties and aggregation kinetics of human insulin. Biophysical Journal, 2021, 120, 886-898.	0.5	15
6	Structural Characterization of Natural Yeast Phosphatidylcholine and Bacterial Phosphatidylglycerol Lipid Multilayers by Neutron Diffraction. Frontiers in Chemistry, 2021, 9, 628186.	3.6	2
7	Incorporation and structural arrangement of microemulsion droplets in cylindrical pores of mesoporous silica. Molecular Physics, 2021, 119, .	1.7	3
8	Designing a bioremediator: mechanistic models guide cellular and molecular specialization. Current Opinion in Biotechnology, 2020, 62, 98-105.	6.6	16
9	Anesthetics significantly increase the amount of intramembrane water in lipid membranes. Soft Matter, 2020, 16, 9674-9682.	2.7	6
10	Flexibilities of wavelets as a computational basis set for large-scale electronic structure calculations. Journal of Chemical Physics, 2020, 152, 194110.	3.0	60
11	Effect of ergosterol on the interlamellar spacing of deuterated yeast phospholipid multilayers. Chemistry and Physics of Lipids, 2020, 227, 104873.	3.2	13
12	Primary and Secondary Hydration Forces between Interdigitated Membranes Composed of Bolaform Microbial Glucolipids. Langmuir, 2020, 36, 2191-2198.	3.5	6
13	Unveiling the Interstitial Pressure between Growing Ice Crystals during Ice-Templating Using a Lipid Lamellar Probe. Journal of Physical Chemistry Letters, 2020, 11, 1989-1997.	4.6	8
14	Mapping Microstructural Dynamics up to the Nanosecond of the Conjugated Polymer P3HT in the Solid State. Chemistry of Materials, 2019, 31, 9635-9651.	6.7	10
15	Biocompatible Glyconanoparticles by Grafting Sophorolipid Monolayers on Monodispersed Iron Oxide Nanoparticles. ACS Applied Bio Materials, 2019, 2, 3095-3107.	4.6	10
16	Activating the Surface: A Study on Lipid Chirality, and Its Potential Function for Triggering Interfacial Interaction. Biophysical Journal, 2019, 116, 363a.	0.5	0
17	Bio-based glyco-bolaamphiphile forms a temperature-responsive hydrogel with tunable elastic properties. Soft Matter, 2018, 14, 7859-7872.	2.7	29
18	Local vibrational and mechanical characterization of Ag conducting chalcogenide glasses. Journal of Alloys and Compounds, 2018, 762, 906-914.	5.5	3

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19	Combination of acoustic levitation with small angle scattering techniques and synchrotron radiation circular dichroism. Application to the study of protein solutions. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2017, 1861, 3693-3699.	2.4	17
20	Efficient internalization of TAT peptide in zwitterionic DOPC phospholipid membrane revealed by neutron diffraction. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2017, 1859, 910-916.	2.6	15
21	The structure of Y- and La-bearing aluminosilicate glasses and melts: A combined molecular dynamics and diffraction study. <i>Chemical Geology</i> , 2017, 461, 23-33.	3.3	5
22	Neutron diffraction of calcium aluminosilicate glasses and melts. <i>Journal of Non-Crystalline Solids</i> , 2016, 451, 89-93.	3.1	49
23	D16 is back to business: more neutrons, more space, more fun. <i>Neutron News</i> , 2015, 26, 22-24.	0.2	27
24	Claudin-11 Tight Junctions in Myelin Are a Barrier to Diffusion and Lack Strong Adhesive Properties. <i>Biophysical Journal</i> , 2015, 109, 1387-1397.	0.5	36
25	Direct Comparison of Disaccharide Interaction with Lipid Membranes at Reduced Hydrations. <i>Langmuir</i> , 2015, 31, 9134-9141.	3.5	23
26	Structure factor of liquid <i>n</i> -butanol at room temperature. <i>Journal of Physics: Conference Series</i> , 2014, 549, 012015.	0.4	3
27	Neutron scattering from myelin revisited: bilayer asymmetry and water-exchange kinetics. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2014, 70, 3198-3211.	2.5	11
28	Small-Angle Neutron Scattering Studies of Hemoglobin Confined Inside Silica Tubes of Varying Sizes. <i>ChemPhysChem</i> , 2014, 15, 302-309.	2.1	4
29	Influence of sorbitol on protein crowding in solution and freeze-concentrated phases. <i>Soft Matter</i> , 2014, 10, 4056-4060.	2.7	17
30	Neutron scattering at high temperature and levitation techniques. <i>Journal of Physics: Conference Series</i> , 2014, 549, 012002.	0.4	7
31	Assembling Wormlike Micelles in Tubular Nanopores by Tuning Surfactant-Wall Interactions. <i>Journal of the American Chemical Society</i> , 2012, 134, 14756-14759.	13.7	25
32	Short range order and Ag diffusion threshold in $\text{Ag}_{x}(\text{Ge}_{0.25}\text{Se}_{0.75})_{100-x}$ glasses. <i>Physica Status Solidi (B): Basic Research</i> , 2012, 249, 2028-2033.	1.5	12
33	The structure of liquid calcium aluminates as investigated by neutron and high-energy x-ray diffraction in combination with molecular dynamics simulation methods. <i>Journal of Physics Condensed Matter</i> , 2012, 24, 099501.	1.8	4
34	Interplay between non-bridging oxygen, triclusters, and fivefold Al coordination in low silica content calcium aluminosilicate melts. <i>Applied Physics Letters</i> , 2012, 101, .	3.3	87
35	The structure of liquid calcium aluminates as investigated using neutron and high energy x-ray diffraction in combination with molecular dynamics simulation methods. <i>Journal of Physics Condensed Matter</i> , 2011, 23, 155101.	1.8	41
36	Aerodynamic levitation and laser heating. <i>European Physical Journal: Special Topics</i> , 2011, 196, 151-165.	2.6	58

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37	Neutron diffraction study of molten calcium aluminates. Journal of Non-Crystalline Solids, 2010, 356, 2492-2496.	3.1	15
38	The coordination number calculation from total structure factor measurements. Journal of Non-Crystalline Solids, 2009, 355, 1811-1814.	3.1	8
39	Structures of lanthanum and yttrium aluminosilicate glasses determined by X-ray and neutron diffraction. Journal of Non-Crystalline Solids, 2008, 354, 2038-2044.	3.1	32
40	Local structure of liquid CaAl ₂ O ₄ from ab initio molecular dynamics simulations. Journal of Non-Crystalline Solids, 2008, 354, 5337-5339.	3.1	17
41	Fast X-ray scattering measurements on high temperature levitated liquids. Journal of Non-Crystalline Solids, 2008, 354, 5104-5107.	3.1	11
42	Longitudinal excitations in MgAl ₂ O ₄ refractory oxide melts studied by inelastic x-ray scattering. Journal of Chemical Physics, 2007, 126, 114505.	3.0	12
43	Magnetic critical scattering in solid Co ₈₀ Pd ₂₀ . Journal of Physics Condensed Matter, 2007, 19, 415106.	1.8	6
44	Structural study of levitated liquid Y ₂ O ₃ using neutron scattering. Journal of Non-Crystalline Solids, 2007, 353, 993-995.	3.1	9
45	Structure and dynamics of levitated liquid aluminates. Journal of Non-Crystalline Solids, 2007, 353, 1705-1712.	3.1	17
46	Ab-initio molecular dynamics simulations of the structure of liquid aluminates. Journal of Non-Crystalline Solids, 2007, 353, 1789-1792.	3.1	24
47	Structure of molten yttrium aluminates: a neutron diffraction study. Journal of Physics Condensed Matter, 2007, 19, 415105.	1.8	5
48	Short- and intermediate-range order in levitated liquid aluminates. Journal of Physics Condensed Matter, 2007, 19, 455210.	1.8	16
49	Structure and dynamics of levitated liquid materials. Pure and Applied Chemistry, 2007, 79, 1643-1652.	1.9	7
50	Structural properties of molten dilute aluminium-transition metal alloys. Journal of Physics Condensed Matter, 2006, 18, 6469-6480.	1.8	3
51	Levitation apparatus for neutron diffraction investigations on high temperature liquids. Review of Scientific Instruments, 2006, 77, 053903.	1.3	70
52	In situ and real-time probing of quasicrystal solidification dynamics by synchrotron imaging. Physical Review E, 2006, 74, 031605.	2.1	17
53	Publisher's Note: In situ and real-time probing of quasicrystal solidification dynamics by synchrotron imaging [Phys. Rev. E 74, 031605 (2006)]. Physical Review E, 2006, 74, .	2.1	1
54	Application of synchrotron X-ray imaging to the study of directional solidification of aluminium-based alloys. Journal of Crystal Growth, 2005, 275, 201-208.	1.5	90

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55	In situ analysis of equiaxed growth of aluminium-nickel alloys by x-ray radiography at ESRF. Journal Physics D: Applied Physics, 2005, 38, A28-A32.	2.8	49