

# Sara Capponi

## List of Publications by Year in descending order

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Version: 2024-02-01

22  
papers

519  
citations

623574

14  
h-index

713332

21  
g-index

25  
all docs

25  
docs citations

25  
times ranked

671  
citing authors

#	ARTICLE	IF	CITATIONS
1	K <sup>2P</sup> channel C-type gating involves asymmetric selectivity filter order-disorder transitions. <i>Science Advances</i> , 2020, 6, .	4.7	52
2	YidC Insertase of Escherichia coli: Water Accessibility and Membrane Shaping. <i>Structure</i> , 2017, 25, 1403-1414.e3.	1.6	50
3	Examining the interplay between face mask usage, asymptomatic transmission, and social distancing on the spread of COVID-19. <i>Scientific Reports</i> , 2021, 11, 15998.	1.6	50
4	Anomalous behavior of water inside the SecY translocon. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 9016-9021.	3.3	41
5	Quasielastic neutron scattering study of hydrogen motions in an aqueous poly(vinyl methyl ether) solution. <i>Journal of Chemical Physics</i> , 2011, 134, 204906.	1.2	37
6	Component dynamics in polyvinylpyrrolidone concentrated aqueous solutions. <i>Journal of Chemical Physics</i> , 2012, 137, 084902.	1.2	36
7	Dynamic Carboxylate/Water Networks on the Surface of the PsbO Subunit of Photosystem II. <i>Journal of Physical Chemistry B</i> , 2015, 119, 12172-12181.	1.2	33
8	A defective viral genome strategy elicits broad protective immunity against respiratory viruses. <i>Cell</i> , 2021, 184, 6037-6051.e14.	13.5	33
9	Interleaflet mixing and coupling in liquid-disordered phospholipid bilayers. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2016, 1858, 354-362.	1.4	29
10	Atomic motions in poly(vinyl methyl ether): A combined study by quasielastic neutron scattering and molecular dynamics simulations in the light of the mode coupling theory. <i>Journal of Chemical Physics</i> , 2009, 131, 204901.	1.2	23
11	Entry from the Lipid Bilayer: A Possible Pathway for Inhibition of a Peptide G Protein-Coupled Receptor by a Lipophilic Small Molecule. <i>Biochemistry</i> , 2018, 57, 5748-5758.	1.2	23
12	Temperature dependence of fast fluctuations in single- and double-stranded DNA molecules: a neutron scattering investigation. <i>Philosophical Magazine</i> , 2007, 87, 509-515.	0.7	21
13	The free-volume structure of a polymer melt, poly(vinyl methylether) from molecular dynamics simulations and cavity analysis. <i>Journal of Chemical Physics</i> , 2009, 131, 064903.	1.2	18
14	A multiscale model of mechanotransduction by the ankyrin chains of the NOMPC channel. <i>Journal of General Physiology</i> , 2019, 151, 316-327.	0.9	15
15	Structural Relaxation Processes and Collective Dynamics of Water in Biomolecular Environments. <i>Journal of Physical Chemistry B</i> , 2019, 123, 480-486.	1.2	14
16	The free volume of poly(vinyl methylether) as computed in a wide temperature range and at length scales up to the nanoregion. <i>Journal of Chemical Physics</i> , 2011, 134, 044512.	1.2	10
17	Free Volume in a PVME Polymer-Water Solution. <i>Macromolecules</i> , 2020, 53, 4770-4782.	2.2	10
18	A hydrophilic microenvironment in the substrate-translocating groove of the YidC membrane insertase is essential for enzyme function. <i>Journal of Biological Chemistry</i> , 2022, 298, 101690.	1.6	9

#	ARTICLE	IF	CITATIONS
19	Mapping Attenuation Determinants in Enterovirus-D68. <i>Viruses</i> , 2020, 12, 867.	1.5	4
20	Thermal fluctuations of DNA enclosed by glycerol-water glassy matrices: an elastic neutron scattering investigation. <i>European Biophysics Journal</i> , 2008, 37, 583-590.	1.2	3
21	Characterization of the Features of Water Inside the SecY Translocon. <i>Journal of Membrane Biology</i> , 2021, 254, 133-139.	1.0	2
22	Face masks are essential to prevent the spread of airborne diseases like COVID-19. <i>Xrds</i> , 2021, 28, 40-45.	0.2	0