

# Maria Grazia Ortore

## List of Publications by Year in descending order

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65  
papers

1,304  
citations

393982

19  
h-index

377514

34  
g-index

65  
all docs

65  
docs citations

65  
times ranked

2045  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Importance of Protein-Protein Interactions on the pH-Induced Conformational Changes of Bovine Serum Albumin: A Small-Angle X-Ray Scattering Study. <i>Biophysical Journal</i> , 2010, 98, 147-157.	0.2	226
2	Combining structure and dynamics: non-denaturing high-pressure effect on lysozyme in solution. <i>Journal of the Royal Society Interface</i> , 2009, 6, S619-34.	1.5	86
3	<i>GENFIT</i>: software for the analysis of small-angle X-ray and neutron scattering data of macromolecules in solution. <i>Journal of Applied Crystallography</i> , 2014, 47, 1132-1139.	1.9	80
4	Multi- to Unilamellar Transitions in Catanionic Vesicles. <i>Journal of Physical Chemistry B</i> , 2010, 114, 8056-8060.	1.2	75
5	Preferential hydration of lysozyme in water/glycerol mixtures: A small-angle neutron scattering study. <i>Journal of Chemical Physics</i> , 2007, 126, 235101.	1.2	59
6	The dimer-monomer equilibrium of SARS-CoV-2 main protease is affected by small molecule inhibitors. <i>Scientific Reports</i> , 2021, 11, 9283.	1.6	48
7	Human Hsp60 with Its Mitochondrial Import Signal Occurs in Solution as Heptamers and Tetradecamers Remarkably Stable over a Wide Range of Concentrations. <i>PLoS ONE</i> , 2014, 9, e97657.	1.1	46
8	Amyloid $\beta$ -peptide insertion in liposomes containing GM1-cholesterol domains. <i>Biophysical Chemistry</i> , 2016, 208, 9-16.	1.5	45
9	Surface engineering techniques used for improving the mechanical and tribological properties of the Ti6Al4V alloy. <i>Surface and Coatings Technology</i> , 2008, 202, 2453-2457.	2.2	38
10	Curcumin-like compounds designed to modify amyloid beta peptide aggregation patterns. <i>RSC Advances</i> , 2017, 7, 31714-31724.	1.7	38
11	Time-resolved small-angle x-ray scattering study of the early stage of amyloid formation of an apomyoglobin mutant. <i>Physical Review E</i> , 2011, 84, 061904.	0.8	36
12	Preferential solvation of lysozyme in water/ethanol mixtures. <i>Journal of Chemical Physics</i> , 2011, 135, 245103.	1.2	34
13	The impact of high hydrostatic pressure on structure and dynamics of $\beta$ -lactoglobulin. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2013, 1830, 4974-4980.	1.1	31
14	Photo-inhibition of $\beta$ fibrillation mediated by a newly designed fluorinated oxadiazole. <i>RSC Advances</i> , 2015, 5, 16540-16548.	1.7	31
15	SANS/SAXS study of the BSA solvation properties in aqueous urea solutions via a global fit approach. <i>European Biophysics Journal</i> , 2008, 37, 673-681.	1.2	27
16	Microcalorimetric study of thermal unfolding of lysozyme in water/glycerol mixtures: An analysis by solvent exchange model. <i>Journal of Chemical Physics</i> , 2008, 129, 035101.	1.2	26
17	Self-assembly of poly(allylamine)/siRNA nanoparticles, their intracellular fate and siRNA delivery. <i>Journal of Colloid and Interface Science</i> , 2019, 557, 757-766.	5.0	25
18	Multimodal 3D imaging based on $^4$ MRI and $^4$ CT techniques bridges the gap with histology in visualization of the bone regeneration process. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2018, 12, 750-761.	1.3	22

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19	New Insights into Urea Action on Proteins: A SANS Study of the Lysozyme Case. <i>Journal of Physical Chemistry B</i> , 2008, 112, 12881-12887.	1.2	21
20	High-Pressure-Driven Reversible Dissociation of $\beta$ -Synuclein Fibrils Reveals Structural Hierarchy. <i>Biophysical Journal</i> , 2017, 113, 1685-1696.	0.2	16
21	Inhibition of $\text{Al}^{3+}$ Fibrillation by Chaperonins: Human Hsp60 Is a Stronger Inhibitor than Its Bacterial Homologue GroEL. <i>ACS Chemical Neuroscience</i> , 2019, 10, 3565-3574.	1.7	16
22	Mechanistic study of the nucleation and conformational changes of polyamines in presence of phosphate ions. <i>Journal of Colloid and Interface Science</i> , 2019, 543, 335-342.	5.0	16
23	Biophysical Characterization of Membrane Phase Transition Profiles for the Discrimination of Outer Membrane Vesicles (OMVs) From <i>Escherichia coli</i> Grown at Different Temperatures. <i>Frontiers in Microbiology</i> , 2020, 11, 290.	1.5	16
24	Trehalose Effect on The Aggregation of Model Proteins into Amyloid Fibrils. <i>Life</i> , 2020, 10, 60.	1.1	15
25	Guanosine Quadruplexes in Solution: A Small-Angle X-Ray Scattering Analysis of Temperature Effects on Self-Assembling of Deoxyguanosine Monophosphate. <i>Journal of Nucleic Acids</i> , 2010, 2010, 1-10.	0.8	14
26	Small-Angle X-ray Scattering Study of Self-Assembling Lipophilic Guanines in Organic Solvents: G-Quadruplex Formation and Cation Effects in Cyclohexane. <i>Journal of Physical Chemistry B</i> , 2013, 117, 1095-1103.	1.2	13
27	Amyloid $\beta$ -Peptide Interaction with Membranes: Can Chaperones Change the Fate?. <i>Journal of Physical Chemistry B</i> , 2019, 123, 631-638.	1.2	13
28	Quaternary structures of GroEL and native-Hsp60 chaperonins in solution: a combined SAXS-MD study. <i>RSC Advances</i> , 2015, 5, 49871-49879.	1.7	12
29	Analysis of porosity in NiTi SMA's changed by secondary pulse electric current treatment by means of ultra small angle scattering and micro-computed tomography. <i>Intermetallics</i> , 2010, 18, 907-912.	1.8	11
30	Proteins in binary solvents. <i>Biophysical Reviews</i> , 2016, 8, 87-106.	1.5	11
31	Pressure effects on $\beta$ -synuclein amyloid fibrils: An experimental investigation on their dissociation and reversible nature. <i>Archives of Biochemistry and Biophysics</i> , 2017, 627, 46-55.	1.4	11
32	High pressure small-angle neutron scattering study of the aggregation state of $\beta$ -lactoglobulin in water and in water/ethylene-glycol solutions. <i>Chemical Physics Letters</i> , 2006, 418, 342-346.	1.2	10
33	Temperature-induced self-assembly of degalactosylated xyloglucan at low concentration. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2015, 53, 1727-1735.	2.4	10
34	Gelling without Structuring: A SAXS Study of the Interactions among DNA Nanostars. <i>Langmuir</i> , 2020, 36, 10387-10396.	1.6	10
35	Protein Amyloidogenesis Investigated by Small Angle Scattering. <i>Current Pharmaceutical Design</i> , 2016, 22, 3937-3949.	0.9	10
36	Grazing-incidence small-angle X-ray scattering from alkaline phosphatase immobilized in atmospheric plasmapolymer coatings. <i>Applied Surface Science</i> , 2008, 254, 5557-5563.	3.1	9

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37	Novel Core-Shell Polyamine Phosphate Nanoparticles Self-Assembled from PEGylated Poly(allylamine) Tj ETQq1, 0.7843, 14 rgBT	1.5, 2	14
38	Stability and disassembly properties of human $\alpha$ -Hsp60 and bacterial GroEL chaperonins. Biophysical Chemistry, 2016, 208, 68-75.	1.5	8
39	Dynamics of the intrinsically disordered protein NUPR1 in isolation and in its fuzzy complexes with DNA and prothymosin $\beta$ . Biochimica Et Biophysica Acta - Proteins and Proteomics, 2019, 1867, 140252.	1.1	8
40	How soft are biological helices? A measure of axial and lateral force constants in folate quadruplexes by high-pressure X-ray diffraction. European Biophysics Journal, 2011, 40, 1225-1235.	1.2	6
41	The DODAB-AOT-water system: vesicle formation and interactions with salts or synthetic polyelectrolytes. Soft Matter, 2013, 9, 9000.	1.2	6
42	Association of DNA-Stabilized Carbon Nanotubes and Cationic Surfactants: Ionic Strength and Chain Length Effects. Journal of Physical Chemistry C, 2016, 120, 2941-2949.	1.5	6
43	Investigation on different chemical stability of mitochondrial Hsp60 and its precursor. Biophysical Chemistry, 2017, 229, 31-38.	1.5	6
44	Comprehensive Structural and Thermodynamic Analysis of Prefibrillar WT $\beta$ -Synuclein and Its G51D, E46K, and A53T Mutants by a Combination of Small-Angle X-ray Scattering and Variational Bayesian Weighting. Journal of Chemical Information and Modeling, 2020, 60, 5265-5281.	2.5	6
45	Chaperonotherapy for Alzheimer's Disease: Focusing on HSP60. Heat Shock Proteins, 2015, , 51-76.	0.2	5
46	Structural and Thermodynamic Properties of Septin 3 Investigated by Small-Angle X-Ray Scattering. Biophysical Journal, 2015, 108, 2896-2902.	0.2	4
47	The Histidine Phosphocarrier Kinase/Phosphorylase from Bacillus Subtilis Is an Oligomer in Solution with a High Thermal Stability. International Journal of Molecular Sciences, 2021, 22, 3231.	1.8	4
48	Taurine Stabilizing Effect on Lysozyme. Life, 2022, 12, 133.	1.1	4
49	Biophysical study of a molecular intermediate preceding collapse of tight couple and Kaltschmidt-Wittmann ribosomes. FEBS Letters, 2002, 525, 111-115.	1.3	3
50	Looking for the best experimental conditions to detail the protein solvation shell in a binary aqueous solvent via small angle scattering. Journal of Physics: Conference Series, 2009, 177, 012007.	0.3	3
51	Software tools for the quantitative evaluation of dental treatment effects from $\mu$ CT scans. Journal of Biomedical Graphics and Computing, 2013, 3, .	0.2	3
52	Metallo-responsive self-assembly of lipophilic guanines in hydrocarbon solvents: a systematic SAXS structural characterization. Nanoscale, 2020, 12, 1022-1031.	2.8	3
53	K <sup>+</sup> vs. Na <sup>+</sup> Effects on the Self-Assembly of Guanosine 5'-Monophosphate: A Solution SAXS Structural Study. Nanomaterials, 2020, 10, 629.	1.9	3
54	SAXS Reveals the Stabilization Effects of Modified Sugars on Model Proteins. Life, 2022, 12, 123.	1.1	3

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55	Ribosomes Deprived of Select Proteins Show Similar Structural Alterations Induced by Thermal Treatment of Native Particles. <i>Cell Biochemistry and Biophysics</i> , 2005, 42, 055-060.	0.9	1
56	The Importance of Protein-Protein Interactions on the pH-Induced Conformational Changes of Bovine Serum Albumin: A Small Angle X-Ray Scattering Study. <i>Biophysical Journal</i> , 2010, 98, 630a.	0.2	1
57	GMP-quadruplex Structures in Dilute Solutions and in Condensed Phases: An X-ray Scattering Analysis. , 2012, , 135-146.		1
58	Curcumin-Like Compounds Designed to Modify Amyloid Beta Peptide Aggregation Pattern. <i>Biophysical Journal</i> , 2016, 110, 203a.	0.2	1
59	Structure and Stability of Hsp60 and Groel in Solution. <i>Biophysical Journal</i> , 2016, 110, 368a.	0.2	1
60	Dynamics of the intrinsically disordered inhibitor IF7 of glutamine synthetase in isolation and in complex with its partner. <i>Archives of Biochemistry and Biophysics</i> , 2020, 683, 108303.	1.4	1
61	Synthesis, Structural Insights and Activity of Different Classes of Biomolecules. , 2020, , 463-482.		1
62	Time-Resolved Small-Angle X-Ray Scattering Study of the Early Formation of Amyloid Protofibrils on a Apomyoglobin Mutant. <i>Biophysical Journal</i> , 2011, 100, 532a.	0.2	0
63	Entrapment and characterization of functional allosteric conformers of hemocyanin in solâ€“gel matrices. <i>RSC Advances</i> , 2016, 6, 16868-16881.	1.7	0
64	Investigation on Structural Features and Antiaggregation Properties of Chaperonins and Chaperon Like Molecules. <i>Biophysical Journal</i> , 2016, 110, 213a-214a.	0.2	0
65	Novel Coreâ€“Shell Polyamine Phosphate Nanoparticles Selfâ€“Assembled from PEGylated Poly(allylamine) Tj ETQq1 1 0.784314 rgBT 17, 2170182.	5.2	0