Valeria Militello

List of Publications by Year
in descending order

38 papers	1,869 citations	304743 22 h-index	315739 38 g-index
38 all docs	38 docs citations	38 times ranked	2557 citing authors

#	Article	IF	Citations
1	Aggregation kinetics of bovine serum albumin studied by FTIR spectroscopy and light scattering. Biophysical Chemistry, 2004, 107, 175-187.	2.8	266
2	Conformational changes involved in thermal aggregation processes of bovine serum albumin. Biophysical Chemistry, 2003, 105, 133-141.	2.8	160
3	Amyloid fibrils formation and amorphous aggregation in concanavalin A. Biophysical Chemistry, 2007, 125, 184-190.	2.8	130
4	Thermal aggregation of glycated bovine serum albumin. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2010, 1804, 789-798.	2.3	106
5	Thermal aggregation of bovine serum albumin at different pH: comparison with human serum albumin. European Biophysics Journal, 2007, 36, 717-725.	2.2	97
6	Thermal induced conformational changes involved in the aggregation pathways of beta-lactoglobulin. Biophysical Chemistry, 2005, 113, 83-91.	2.8	94
7	Ionizing radiation-engineered nanogels as insulin nanocarriers for the development of a new strategy for the treatment of Alzheimer's disease. Biomaterials, 2016, 80, 179-194.	11.4	91
8	Bovine Serum Albumin protofibril-like aggregates formation: Solo but not simple mechanism. Archives of Biochemistry and Biophysics, 2011, 508, 13-24.	3.0	84
9	Thioflavin T Promotes AÎ²(1â€“40) Amyloid Fibrils Formation. Journal of Physical Chemistry Letters, 2012, 3, 1596-1601.	4.6	79
10	Insulinâ€activated Akt rescues AÎ² oxidative stressâ€induced cell death by orchestrating molecular trafficking. Aging Cell, 2011, 10, 832-843.	6.7	64
11	Oxidation Enhances Human Serum Albumin Thermal Stability and Changes the Routes of Amyloid Fibril Formation. PLoS ONE, 2014, 9, e84552.	2.5	61
12	New insight into the structure and function of Hfq C-terminus. Bioscience Reports, 2015, 35, .	2.4	55
13	Thermal aggregation and ion-induced cold-gelation of bovine serum albumin. European Biophysics Journal, 2009, 38, 437-446.	2.2	53
14	Influence of metal ions on thermal aggregation of bovine serum albumin: Aggregation kinetics and structural changes. Journal of Inorganic Biochemistry, 2009, 103, 1729-1738.	3.5	50
15	Heat- and pH-induced BSA conformational changes, hydrogel formation and application as 3D cell scaffold. Archives of Biochemistry and Biophysics, 2016, 606, 134-142.	3.0	41
16	Thermal aggregation of Î²-lactoglobulin in presence of metal ions. Biophysical Chemistry, 2007, 131, 52-61.	2.8	40
17	Thioflavin T templates amyloid Î²(1â€“40) conformation and aggregation pathway. Biophysical Chemistry, 2015, 206, 1-11.	2.8	35
18	Concanavalin A aggregation and toxicity on cell cultures. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2010, 1804, 173-183.	2.3	31

#	Article	IF	Citations
19	Thermal broadening of the Soret band in heme complexes and in heme-proteins: role of iron dynamics. European Biophysics Journal, 1994, 23, 349-52.	2.2	28
20	Metal ions modulate thermal aggregation of beta-lactoglobulin: A joint chemical and physical characterization. Journal of Inorganic Biochemistry, 2014, 137, 64-73.	3.5	28
21	Decoding vibrational states of Concanavalin A amyloid fibrils. Biophysical Chemistry, 2015, 199, 17-24.	2.8	25
22	Effects of succinylation on thermal induced amyloid formation in Concanavalin A. European Biophysics Journal, 2007, 36, 733-741.	2.2	24
23	High Fluorescence of Thioflavin T Confined in Mesoporous Silica Xerogels. Langmuir, 2013, 29, 10238-10246.	3.5	21
24	In Situ Characterization of Hfq Bacterial Amyloid: A Fourier-Transform Infrared Spectroscopy Study. Pathogens, 2019, 8, 36.	2.8	21
25	Properties of Human Hemoglobins with Increased Polarity in the Î±- or Î²-Heme Pocket. Journal of Biological Chemistry, 1998, 273, 23740-23749.	3.4	20
26	Irreversible gelation of thermally unfolded proteins: structural and mechanical properties of lysozyme aggregates. European Biophysics Journal, 2010, 39, 1007-1017.	2.2	20
27	Neutron Scattering Reveals Enhanced Protein Dynamics in Concanavalin A Amyloid Fibrils. Journal of Physical Chemistry Letters, 2012, 3, 992-996.	4.6	20
28	Application of FTIR Spectroscopy to Analyze RNA Structure. Methods in Molecular Biology, 2020, 2113, 119-133.	0.9	19
29	Characterization of the nucleation process of lysozyme at physiological pH: Primary but not sole process. Biophysical Chemistry, 2013, 177-178, 24-33.	2.8	17
30	Deciphering metal-induced oxidative damages on glycated albumin structure and function. Biochimica Et Biophysica Acta - General Subjects, 2014, 1840, 1712-1724.	2.4	17
31	High-Pressure-Driven Reversible Dissociation of Î±-Synuclein Fibrils Reveals Structural Hierarchy. Biophysical Journal, 2017, 113, 1685-1696.	0.5	16
32	Modification of Î±-Chain or Î²-Chain Heme Pocket Polarity by Val(E11) â†' Thr Substitution Has Different Effects on the Steric, Dynamic, and Functional Properties of Human Recombinant Hemoglobin. Journal of Biological Chemistry, 1997, 272, 26271-26278.	3.4	12
33	Conformational substates and dynamic properties of carbonmonoxy hemoglobin. Biophysical Chemistry, 2003, 104, 335-344.	2.8	12
34	Pressure effects on Î±-synuclein amyloid fibrils: An experimental investigation on their dissociation and reversible nature. Archives of Biochemistry and Biophysics, 2017, 627, 46-55.	3.0	11
35	Heme Pocket Disorder in Myoglobin:Â Reversal by Acid-Induced Soft Refoldingâ€. Biochemistry, 2001, 40, 11841-11850.	2.5	8
36	Development of a Biosensor for Copper Detection in Aqueous Solutions Using an Anemonia sulcata Recombinant GFP. Applied Biochemistry and Biotechnology, 2014, 172, 2175-2187.	2.9	5

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37	Data concerning the proteolytic resistance and oxidative stress in LAN5 cells after treatment with BSA hydrogels. Data in Brief, 2016, 9, 324-327.	1.0	4
38	Techniques to Analyze sRNA Protein Cofactor Self-Assembly In Vitro. Methods in Molecular Biology, 2018, 1737, 321-340.	0.9	4