

Valeria Militello

List of Publications by Year in descending order

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38
papers

1,869
citations

304368

22
h-index

315357

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. <i>Biophysical Chemistry</i> , 2004, 107, 175-187.	1.5	266
2	Conformational changes involved in thermal aggregation processes of bovine serum albumin. <i>Biophysical Chemistry</i> , 2003, 105, 133-141.	1.5	160
3	Amyloid fibrils formation and amorphous aggregation in concanavalin A. <i>Biophysical Chemistry</i> , 2007, 125, 184-190.	1.5	130
4	Thermal aggregation of glycosylated bovine serum albumin. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2010, 1804, 789-798.	1.1	106
5	Thermal aggregation of bovine serum albumin at different pH: comparison with human serum albumin. <i>European Biophysics Journal</i> , 2007, 36, 717-725.	1.2	97
6	Thermal induced conformational changes involved in the aggregation pathways of beta-lactoglobulin. <i>Biophysical Chemistry</i> , 2005, 113, 83-91.	1.5	94
7	Ionizing radiation-engineered nanogels as insulin nanocarriers for the development of a new strategy for the treatment of Alzheimer's disease. <i>Biomaterials</i> , 2016, 80, 179-194.	5.7	91
8	Bovine Serum Albumin protofibril-like aggregates formation: Solo but not simple mechanism. <i>Archives of Biochemistry and Biophysics</i> , 2011, 508, 13-24.	1.4	84
9	Thioflavin T Promotes A β (1-40) Amyloid Fibrils Formation. <i>Journal of Physical Chemistry Letters</i> , 2012, 3, 1596-1601.	2.1	79
10	Insulin-activated Akt rescues A β oxidative stress-induced cell death by orchestrating molecular trafficking. <i>Aging Cell</i> , 2011, 10, 832-843.	3.0	64
11	Oxidation Enhances Human Serum Albumin Thermal Stability and Changes the Routes of Amyloid Fibril Formation. <i>PLoS ONE</i> , 2014, 9, e84552.	1.1	61
12	New insight into the structure and function of Hfq C-terminus. <i>Bioscience Reports</i> , 2015, 35, .	1.1	55
13	Thermal aggregation and ion-induced cold-gelation of bovine serum albumin. <i>European Biophysics Journal</i> , 2009, 38, 437-446.	1.2	53
14	Influence of metal ions on thermal aggregation of bovine serum albumin: Aggregation kinetics and structural changes. <i>Journal of Inorganic Biochemistry</i> , 2009, 103, 1729-1738.	1.5	50
15	Heat- and pH-induced BSA conformational changes, hydrogel formation and application as 3D cell scaffold. <i>Archives of Biochemistry and Biophysics</i> , 2016, 606, 134-142.	1.4	41
16	Thermal aggregation of β -lactoglobulin in presence of metal ions. <i>Biophysical Chemistry</i> , 2007, 131, 52-61.	1.5	40
17	Thioflavin T templates amyloid β (1-40) conformation and aggregation pathway. <i>Biophysical Chemistry</i> , 2015, 206, 1-11.	1.5	35
18	Concanavalin A aggregation and toxicity on cell cultures. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2010, 1804, 173-183.	1.1	31

#	ARTICLE	IF	CITATIONS
19	Thermal broadening of the Soret band in heme complexes and in heme-proteins: role of iron dynamics. <i>European Biophysics Journal</i> , 1994, 23, 349-52.	1.2	28
20	Metal ions modulate thermal aggregation of beta-lactoglobulin: A joint chemical and physical characterization. <i>Journal of Inorganic Biochemistry</i> , 2014, 137, 64-73.	1.5	28
21	Decoding vibrational states of Concanavalin A amyloid fibrils. <i>Biophysical Chemistry</i> , 2015, 199, 17-24.	1.5	25
22	Effects of succinylation on thermal induced amyloid formation in Concanavalin A. <i>European Biophysics Journal</i> , 2007, 36, 733-741.	1.2	24
23	High Fluorescence of Thioflavin T Confined in Mesoporous Silica Xerogels. <i>Langmuir</i> , 2013, 29, 10238-10246.	1.6	21
24	In Situ Characterization of Hfq Bacterial Amyloid: A Fourier-Transform Infrared Spectroscopy Study. <i>Pathogens</i> , 2019, 8, 36.	1.2	21
25	Properties of Human Hemoglobins with Increased Polarity in the $\hat{1}\pm$ - or $\hat{1}^2$ -Heme Pocket. <i>Journal of Biological Chemistry</i> , 1998, 273, 23740-23749.	1.6	20
26	Irreversible gelation of thermally unfolded proteins: structural and mechanical properties of lysozyme aggregates. <i>European Biophysics Journal</i> , 2010, 39, 1007-1017.	1.2	20
27	Neutron Scattering Reveals Enhanced Protein Dynamics in Concanavalin A Amyloid Fibrils. <i>Journal of Physical Chemistry Letters</i> , 2012, 3, 992-996.	2.1	20
28	Application of FTIR Spectroscopy to Analyze RNA Structure. <i>Methods in Molecular Biology</i> , 2020, 2113, 119-133.	0.4	19
29	Characterization of the nucleation process of lysozyme at physiological pH: Primary but not sole process. <i>Biophysical Chemistry</i> , 2013, 177-178, 24-33.	1.5	17
30	Deciphering metal-induced oxidative damages on glycated albumin structure and function. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2014, 1840, 1712-1724.	1.1	17
31	High-Pressure-Driven Reversible Dissociation of $\hat{1}\pm$ -Synuclein Fibrils Reveals Structural Hierarchy. <i>Biophysical Journal</i> , 2017, 113, 1685-1696.	0.2	16
32	Modification of $\hat{1}\pm$ -Chain or $\hat{1}^2$ -Chain Heme Pocket Polarity by Val(E11) $\hat{\rightarrow}$ Thr Substitution Has Different Effects on the Steric, Dynamic, and Functional Properties of Human Recombinant Hemoglobin. <i>Journal of Biological Chemistry</i> , 1997, 272, 26271-26278.	1.6	12
33	Conformational substates and dynamic properties of carbonmonoxy hemoglobin. <i>Biophysical Chemistry</i> , 2003, 104, 335-344.	1.5	12
34	Pressure effects on $\hat{1}\pm$ -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
35	Heme Pocket Disorder in Myoglobin: Reversal by Acid-Induced Soft Refolding. <i>Biochemistry</i> , 2001, 40, 11841-11850.	1.2	8
36	Development of a Biosensor for Copper Detection in Aqueous Solutions Using an <i>Anemonia sulcata</i> Recombinant GFP. <i>Applied Biochemistry and Biotechnology</i> , 2014, 172, 2175-2187.	1.4	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.	0.5	4
38	Techniques to Analyze sRNA Protein Cofactor Self-Assembly In Vitro. Methods in Molecular Biology, 2018, 1737, 321-340.	0.4	4