Silvia Vilasi

List of Publications by Year in descending order

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Version: 2024-02-01

38 papers	658 citations	623574 14 h-index	552653 26 g-index
38 all docs	38 docs citations	38 times ranked	1042 citing authors

#	Article	IF	Citations
1	Chaperonin of Group I: Oligomeric Spectrum and Biochemical and Biological Implications. Frontiers in Molecular Biosciences, 2017, 4, 99.	1.6	54
2	Heparin Induces Harmless Fibril Formation in Amyloidogenic W7FW14F Apomyoglobin and Amyloid Aggregation in Wild-Type Protein In Vitro. PLoS ONE, 2011, 6, e22076.	1.1	53
3	Different effects of Alzheimer's peptide AÎ²(1â€“40) oligomers and fibrils on supported lipid membranes. Biophysical Chemistry, 2013, 182, 23-29.	1.5	51
4	Effect of Trehalose on W7FW14F Apomyoglobin and Insulin Fibrillization:â€‰ New Insight into Inhibition Activity. Biochemistry, 2008, 47, 1789-1796.	1.2	50
5	Biological and biophysics aspects of metformin-induced effects: cortex mitochondrial dysfunction and promotion of toxic amyloid pre-fibrillar aggregates. Aging, 2016, 8, 1718-1734.	1.4	48
6	Hsp60, amateur chaperone in amyloid-beta fibrillogenesis. Biochimica Et Biophysica Acta - General Subjects, 2016, 1860, 2474-2483.	1.1	48
7	Human Hsp60 with Its Mitochondrial Import Signal Occurs in Solution as Heptamers and Tetradecamers Remarkably Stable over a Wide Range of Concentrations. PLoS ONE, 2014, 9, e97657.	1.1	46
8	Curcumin-like compounds designed to modify amyloid beta peptide aggregation patterns. RSC Advances, 2017, 7, 31714-31724.	1.7	38
9	Time-resolved small-angle x-ray scattering study of the early stage of amyloid formation of an apomyoglobin mutant. Physical Review E, 2011, 84, 061904.	0.8	36
10	Tetracycline inhibits W7FW14F apomyoglobin fibril extension and keeps the amyloid protein in a prefibrillar, highly cytotoxic state. FASEB Journal, 2006, 20, 346-347.	0.2	34
11	Heme binding inhibits the fibrillization of amyloidogenic apomyoglobin and determines lack of aggregate cytotoxicity. Protein Science, 2007, 16, 507-516.	3.1	26
12	W7FW14F apomyoglobin amyloid aggregatesâ€mediated apoptosis is due to oxidative stress and AKT inactivation caused by Ras and Rac. Journal of Cellular Physiology, 2009, 221, 412-423.	2.0	23
13	Low Frequency - High Sensitivity Horizontal Inertial Sensor based on Folded Pendulum. Journal of Physics: Conference Series, 2012, 363, 012001.	0.3	21
14	Inhibition of AÎ²_{1â€“42} Fibrillation by Chaperonins: Human Hsp60 Is a Stronger Inhibitor than Its Bacterial Homologue GroEL. ACS Chemical Neuroscience, 2019, 10, 3565-3574.	1.7	16
15	Kinetics of amyloid aggregation of mammal apomyoglobins and correlation with their amino acid sequences. FEBS Letters, 2006, 580, 1681-1684.	1.3	14
16	Î±-Casein Inhibition Mechanism in Concanavalin A Aggregation Process. Journal of Physical Chemistry B, 2012, 116, 14700-14707.	1.2	14
17	Resolution of the effects induced by WÂâ†'ÂF substitutions on the conformation and dynamics of the amyloid-forming apomyoglobin mutant W7FW14F. European Biophysics Journal, 2012, 41, 615-627.	1.2	13
18	Amyloid Î²-Peptide Interaction with Membranes: Can Chaperones Change the Fate?. Journal of Physical Chemistry B, 2019, 123, 631-638.	1.2	13

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19	Unraveling amyloid toxicity pathway in NIH3T3 cells by a combined proteomic and ¹Hâ€NMR metabonomic approach. Journal of Cellular Physiology, 2013, 228, 1359-1367.	2.0	10
20	Low frequency, high sensitive tunable mechanical monolithic horizontal sensors. Proceedings of SPIE, 2011, , .	0.8	8
21	Stability and disassembly properties of human naÃ¯ve Hsp60 and bacterial GroEL chaperonins. Biophysical Chemistry, 2016, 208, 68-75.	1.5	8
22	Abundance of intrinsic disorder in SVâ€IV, a multifunctional androgenâ€dependent protein secreted from rat seminal vesicle. FEBS Journal, 2008, 275, 763-774.	2.2	6
23	Comparison of ¹H-NMR spectra by normalisation algorithms for studying amyloid toxicity in cells. International Journal of Biomedical Engineering and Technology, 2013, 13, 370.	0.2	6
24	W-F Substitutions in Apomyoglobin Increase the Local Flexibility of the N-terminal Region Causing Amyloid Aggregation: A H/D Exchange Study. Protein and Peptide Letters, 2013, 20, 898-904.	0.4	6
25	Investigation on different chemical stability of mitochondrial Hsp60 and its precursor. Biophysical Chemistry, 2017, 229, 31-38.	1.5	6
26	Chaperonotherapy for Alzheimerâ€™s Disease: Focusing on HSP60. Heat Shock Proteins, 2015, , 51-76.	0.2	5
27	Low frequency seismic noise acquisition and analysis with tunable monolithic horizontal sensors. Proceedings of SPIE, 2011, , .	0.8	2
28	MATCAKE: a flexible toolbox for integrating 2D NMR spectra in Matlab. Proceedings of SPIE, 2010, , .	0.8	1
29	A new architecture for the implementation of force-feedback tunable mechanical monolithic horizontal sensor. , 2010, , .		1
30	Valorization of Apple Peels through the Study of the Effects on the Amyloid Aggregation Process of Î²-Casein. Molecules, 2021, 26, 2371.	1.7	1
31	The phase transition method for SAR measurement in MRI. , 2010, , .		0
32	Mechanical monolithic tiltmeter for low frequency measurements. , 2010, , .		0
33	New architecture of tunable mechanical monolithic horizontal sensor for low frequency seismic noise measurement. Proceedings of SPIE, 2010, , .	0.8	0
34	MATCAKE: a flexible toolbox for 2D NMR spectra integration by CAKE algorithm. Proceedings of SPIE, 2011, , .	0.8	0
35	Mechanical monolithic sensors for mechanical damping of a suspended mass. Proceedings of SPIE, 2011, , .	0.8	0
36	Mechanical monolithic tiltmeter for low frequency measurements. , 2011, , .		0

#	Article	IF	Citations
37	Amyloid Î²-peptide interaction with GM1 containing model membrane. Advances in Biomembranes and Lipid Self-Assembly, 2020, 32, 1-24.	0.3	0
38	The Possible Role of the Type I Chaperonins in Human Insulin Self-Association. Life, 2022, 12, 448.	1.1	0