

# 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	The Possible Role of the Type I Chaperonins in Human Insulin Self-Association. <i>Life</i> , 2022, 12, 448.	1.1	0
2	Valorization of Apple Peels through the Study of the Effects on the Amyloid Aggregation Process of $\beta$ -Casein. <i>Molecules</i> , 2021, 26, 2371.	1.7	1
3	Amyloid $\beta$ -peptide interaction with GM1 containing model membrane. <i>Advances in Biomembranes and Lipid Self-Assembly</i> , 2020, 32, 1-24.	0.3	0
4	Inhibition of $A\beta_{42}$ 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
5	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
6	Curcumin-like compounds designed to modify amyloid beta peptide aggregation patterns. <i>RSC Advances</i> , 2017, 7, 31714-31724.	1.7	38
7	Investigation on different chemical stability of mitochondrial Hsp60 and its precursor. <i>Biophysical Chemistry</i> , 2017, 229, 31-38.	1.5	6
8	Chaperonin of Group I: Oligomeric Spectrum and Biochemical and Biological Implications. <i>Frontiers in Molecular Biosciences</i> , 2017, 4, 99.	1.6	54
9	Biological and biophysics aspects of metformin-induced effects: cortex mitochondrial dysfunction and promotion of toxic amyloid pre-fibrillar aggregates. <i>Aging</i> , 2016, 8, 1718-1734.	1.4	48
10	Hsp60, amateur chaperone in amyloid-beta fibrillogenesis. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2016, 1860, 2474-2483.	1.1	48
11	Stability and disassembly properties of human $\alpha$ -Hsp60 and bacterial GroEL chaperonins. <i>Biophysical Chemistry</i> , 2016, 208, 68-75.	1.5	8
12	Chaperonotherapy for Alzheimer's Disease: Focusing on HSP60. <i>Heat Shock Proteins</i> , 2015, , 51-76.	0.2	5
13	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
14	Different effects of Alzheimer's peptide $A\beta_{40}$ oligomers and fibrils on supported lipid membranes. <i>Biophysical Chemistry</i> , 2013, 182, 23-29.	1.5	51
15	Unraveling amyloid toxicity pathway in NIH3T3 cells by a combined proteomic and $^1H$ -NMR metabolomic approach. <i>Journal of Cellular Physiology</i> , 2013, 228, 1359-1367.	2.0	10
16	Comparison of $^1H$ -NMR spectra by normalisation algorithms for studying amyloid toxicity in cells. <i>International Journal of Biomedical Engineering and Technology</i> , 2013, 13, 370.	0.2	6
17	W-F Substitutions in Apomyoglobin Increase the Local Flexibility of the N-terminal Region Causing Amyloid Aggregation: A H/D Exchange Study. <i>Protein and Peptide Letters</i> , 2013, 20, 898-904.	0.4	6
18	Low Frequency - High Sensitivity Horizontal Inertial Sensor based on Folded Pendulum. <i>Journal of Physics: Conference Series</i> , 2012, 363, 012001.	0.3	21

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19	Î±-Casein Inhibition Mechanism in Concanavalin A Aggregation Process. Journal of Physical Chemistry B, 2012, 116, 14700-14707.	1.2	14
20	Resolution of the effects induced by W7FW14F substitutions on the conformation and dynamics of the amyloid-forming apomyoglobin mutant W7FW14F. European Biophysics Journal, 2012, 41, 615-627.	1.2	13
21	MATCAKE: a flexible toolbox for 2D NMR spectra integration by CAKE algorithm. Proceedings of SPIE, 2011, , .	0.8	0
22	Mechanical monolithic sensors for mechanical damping of a suspended mass. Proceedings of SPIE, 2011, , .	0.8	0
23	Low frequency, high sensitive tunable mechanical monolithic horizontal sensors. Proceedings of SPIE, 2011, , .	0.8	8
24	Mechanical monolithic tiltmeter for low frequency measurements. , 2011, , .		0
25	Low frequency seismic noise acquisition and analysis with tunable monolithic horizontal sensors. Proceedings of SPIE, 2011, , .	0.8	2
26	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
27	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
28	The phase transition method for SAR measurement in MRI. , 2010, , .		0
29	MATCAKE: a flexible toolbox for integrating 2D NMR spectra in Matlab. Proceedings of SPIE, 2010, , .	0.8	1
30	Mechanical monolithic tiltmeter for low frequency measurements. , 2010, , .		0
31	A new architecture for the implementation of force-feedback tunable mechanical monolithic horizontal sensor. , 2010, , .		1
32	New architecture of tunable mechanical monolithic horizontal sensor for low frequency seismic noise measurement. Proceedings of SPIE, 2010, , .	0.8	0
33	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
34	Effect of Trehalose on W7FW14F Apomyoglobin and Insulin Fibrillization:â€‘ New Insight into Inhibition Activity. Biochemistry, 2008, 47, 1789-1796.	1.2	50
35	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
36	Heme binding inhibits the fibrillization of amyloidogenic apomyoglobin and determines lack of aggregate cytotoxicity. Protein Science, 2007, 16, 507-516.	3.1	26

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37	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
38	Kinetics of amyloid aggregation of mammal apomyoglobins and correlation with their amino acid sequences. FEBS Letters, 2006, 580, 1681-1684.	1.3	14