

Rita Carrotta

List of Publications by Year in descending order

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39
papers

1,306
citations

394421

19
h-index

377865

34
g-index

40
all docs

40
docs citations

40
times ranked

1823
citing authors

#	ARTICLE	IF	CITATIONS
1	Kinetics of Different Processes in Human Insulin Amyloid Formation. <i>Journal of Molecular Biology</i> , 2007, 366, 258-274.	4.2	163
2	Conformational characterization of oligomeric intermediates and aggregates in β -lactoglobulin heat aggregation. <i>Protein Science</i> , 2008, 10, 1312-1318.	7.6	117
3	Protofibril Formation of Amyloid β -Protein at Low pH via a Non-cooperative Elongation Mechanism. <i>Journal of Biological Chemistry</i> , 2005, 280, 30001-30008.	3.4	106
4	$A\beta$ Oligomers and Fibrillar Aggregates Induce Different Apoptotic Pathways in LAN5 Neuroblastoma Cell Cultures. <i>Biophysical Journal</i> , 2009, 96, 4200-4211.	0.5	93
5	Characterization and Isolation of Intermediates in β -Lactoglobulin Heat Aggregation at High pH. <i>Biophysical Journal</i> , 2000, 79, 1030-1038.	0.5	90
6	Insulin-activated Akt rescues $A\beta$ oxidative stress-induced cell death by orchestrating molecular trafficking. <i>Aging Cell</i> , 2011, 10, 832-843.	6.7	64
7	Different effects of Alzheimer's peptide $A\beta(1-40)$ oligomers and fibrils on supported lipid membranes. <i>Biophysical Chemistry</i> , 2013, 182, 23-29.	2.8	51
8	Toxicity of recombinant β -amyloid prefibrillar oligomers on the morphogenesis of the sea urchin <i>Paracentrotus lividus</i> . <i>FASEB Journal</i> , 2006, 20, 1916-1917.	0.5	50
9	Inhibiting effect of β -casein on $A\beta(1-40)$ fibrillogenesis. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2012, 1820, 124-132.	2.4	49
10	Employment of Cationic Solid-Lipid Nanoparticles as RNA Carriers. <i>Bioconjugate Chemistry</i> , 2007, 18, 302-308.	3.6	47
11	Protein stability modulated by a conformational effector: effects of trifluoroethanol on bovine serum albumin. <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 4007.	2.8	46
12	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.	2.5	46
13	Amyloid β -peptide insertion in liposomes containing GM1-cholesterol domains. <i>Biophysical Chemistry</i> , 2016, 208, 9-16.	2.8	45
14	Nanoalgaosomes: Introducing extracellular vesicles produced by microalgae. <i>Journal of Extracellular Vesicles</i> , 2021, 10, e12081.	12.2	45
15	Isolation of extracellular vesicles from microalgae: towards the production of sustainable and natural nanocarriers of bioactive compounds. <i>Biomaterials Science</i> , 2021, 9, 2917-2930.	5.4	34
16	Concanavalin A aggregation and toxicity on cell cultures. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2010, 1804, 173-183.	2.3	31
17	Insulin Promotes Survival of Amyloid-Beta Oligomers Neuroblastoma Damaged Cells via Caspase 9 Inhibition and Hsp70 Upregulation. <i>Journal of Biomedicine and Biotechnology</i> , 2010, 2010, 1-8.	3.0	29
18	β -Casein Inhibits Insulin Amyloid Formation by Preventing the Onset of Secondary Nucleation Processes. <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 3043-3048.	4.6	24

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19	Amyloid Fibrils Formation of Concanavalin A at Basic pH. <i>Journal of Physical Chemistry B</i> , 2011, 115, 2691-2698.	2.6	22
20	Small-angle X-ray scattering studies of metastable intermediates of β -lactoglobulin isolated after heat-induced aggregation. <i>Biopolymers</i> , 2003, 70, 377-390.	2.4	18
21	The sea urchin embryo: A model to study Alzheimer's beta amyloid induced toxicity. <i>Archives of Biochemistry and Biophysics</i> , 2009, 483, 120-126.	3.0	17
22	The effects of pressure on the energy landscape of proteins. <i>Scientific Reports</i> , 2018, 8, 2037.	3.3	17
23	Inhibition of β -Amyloid Fibrillation by Chaperonins: Human Hsp60 Is a Stronger Inhibitor than Its Bacterial Homologue GroEL. <i>ACS Chemical Neuroscience</i> , 2019, 10, 3565-3574.	3.5	16
24	β -Casein Inhibition Mechanism in Concanavalin A Aggregation Process. <i>Journal of Physical Chemistry B</i> , 2012, 116, 14700-14707.	2.6	14
25	Large size fibrillar bundles of the Alzheimer amyloid β -protein. <i>European Biophysics Journal</i> , 2007, 36, 701-709.	2.2	13
26	Amyloid β -Peptide Interaction with Membranes: Can Chaperones Change the Fate?. <i>Journal of Physical Chemistry B</i> , 2019, 123, 631-638.	2.6	13
27	Stability and disassembly properties of human native Hsp60 and bacterial GroEL chaperonins. <i>Biophysical Chemistry</i> , 2016, 208, 68-75.	2.8	8
28	Biophysical characterization of asolectin-squalene liposomes. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 170, 479-487.	5.0	8
29	Entrapment of β -amyloid peptide in unstructured aggregates. <i>Journal of Physics Condensed Matter</i> , 2012, 24, 244103.	1.8	7
30	Light Scattering as an Easy Tool to Measure Vesicles Weight Concentration. <i>Membranes</i> , 2020, 10, 222.	3.0	7
31	Investigation on different chemical stability of mitochondrial Hsp60 and its precursor. <i>Biophysical Chemistry</i> , 2017, 229, 31-38.	2.8	6
32	Corrigendum to "Kinetics of Different Processes in Human Insulin Amyloid Formation". <i>J. Mol. Biol.</i> 366/1 (2007) 258-274]. <i>Journal of Molecular Biology</i> , 2011, 406, 354.	4.2	3
33	Alzheimer's Disease and Type 2 Diabetes: Different Pathologies and Same Features. , 0, , .		3
34	Small Angle X-ray Scattering Sensing Membrane Composition: The Role of Sphingolipids in Membrane-Amyloid β -Peptide Interaction. <i>Biology</i> , 2022, 11, 26.	2.8	3
35	Structure and Stability of Hsp60 and Groel in Solution. <i>Biophysical Journal</i> , 2016, 110, 368a.	0.5	1
36	Thermal broadening of Lb band of α -D-glucopyranosyl-coated β -tyrosine and phenylalanine. <i>AIP Conference Proceedings</i> , 2000, , .	0.4	0

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37	Intrinsic Disorder and Chaperon-Like Activity of Different Caseins. <i>Biophysical Journal</i> , 2013, 104, 389a.	0.5	0
38	Investigation on Structural Features and Antiaggregation Properties of Chaperonins and Chaperon Like Molecules. <i>Biophysical Journal</i> , 2016, 110, 213a-214a.	0.5	0
39	Amyloid β -peptide interaction with GM1 containing model membrane. <i>Advances in Biomembranes and Lipid Self-Assembly</i> , 2020, 32, 1-24.	0.6	0