Martino Calamai

List of Publications by Year in descending order

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Version: 2024-02-01

34 papers	1,514 citations	471509 17 h-index	454955 30 g-index
38 all docs	38 docs citations	38 times ranked	2274 citing authors

#	Article	IF	Citations
1	Studies of the aggregation of mutant proteins in vitro provide insights into the genetics of amyloid diseases. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 16419-16426.	7.1	268
2	Amyloid Fibril Formation Can Proceed from Different Conformations of a Partially Unfolded Protein. Biophysical Journal, 2005, 89, 4201-4210.	0.5	141
3	Evidence for a Mechanism of Amyloid Formation Involving Molecular Reorganisation within Native-like Precursor Aggregates. Journal of Molecular Biology, 2005, 351, 910-922.	4.2	129
4	Nature and Significance of the Interactions between Amyloid Fibrils and Biological Polyelectrolytesâ€. Biochemistry, 2006, 45, 12806-12815.	2.5	128
5	Toxic effects of amyloid fibrils on cell membranes: the importance of ganglioside GM1. FASEB Journal, 2012, 26, 818-831.	0.5	118
6	Relative Influence of Hydrophobicity and Net Charge in the Aggregation of Two Homologous Proteinsâ€. Biochemistry, 2003, 42, 15078-15083.	2.5	115
7	Reversal of Protein Aggregation Provides Evidence for Multiple Aggregated States. Journal of Molecular Biology, 2005, 346, 603-616.	4.2	86
8	Gephyrin Oligomerization Controls GlyR Mobility and Synaptic Clustering. Journal of Neuroscience, 2009, 29, 7639-7648.	3.6	78
9	IDOL Stimulates Clathrin-Independent Endocytosis and Multivesicular Body-Mediated Lysosomal Degradation of the Low-Density Lipoprotein Receptor. Molecular and Cellular Biology, 2013, 33, 1503-1514.	2.3	68
10	Development of Light-Responsive Liquid Crystalline Elastomers to Assist Cardiac Contraction. Circulation Research, 2019, 124, e44-e54.	4.5	44
11	Partitioning and confinement of GM1 ganglioside induced by amyloid aggregates. FEBS Letters, 2013, 587, 1385-1391.	2.8	38
12	Formation and Stability of Synaptic Receptor Domains. Physical Review Letters, 2011, 106, 238104.	7.8	35
13	Single Molecule Tracking Analysis Reveals That the Surface Mobility of Amyloid Oligomers Is Driven by Their Conformational Structure. Journal of the American Chemical Society, 2011, 133, 12001-12008.	13.7	32
14	Molecular insights into cell toxicity of a novel familial amyloidogenic variant of Î²2â€microglobulin. Journal of Cellular and Molecular Medicine, 2016, 20, 1443-1456.	3.6	23
15	GM1 and GM2 gangliosides: recent developments. Biomolecular Concepts, 2014, 5, 87-93.	2.2	22
16	Single molecule experiments emphasize GM1 as a key player of the different cytotoxicity of structurally distinct Aβ1â€“42 oligomers. Biochimica Et Biophysica Acta - Biomembranes, 2016, 1858, 386-392.	2.6	22
17	Studying the Folding Process of the Acylphosphatase fromSulfolobus solfataricus. A Comparative Analysis with Other Proteins from the Same Superfamilyâ€. Biochemistry, 2004, 43, 9116-9126.	2.5	19
18	Carbon Nanotubes/Regenerated Silk Composite as a Three-Dimensional Printable Bio-Adhesive Ink with Self-Powering Properties. ACS Applied Materials & Interfaces, 2021, 13, 21007-21017.	8.0	17

#	Article	IF	Citations
19	Making biological membrane resistant to the toxicity of misfolded protein oligomers: a lesson from trodusquemine. Nanoscale, 2020, 12, 22596-22614.	5.6	16
20	Decoupling Polarization of the Golgi Apparatus and GM1 in the Plasma Membrane. PLoS ONE, 2013, 8, e80446.	2.5	15
21	Membrane Phase Drives the Assembly of Gold Nanoparticles on Biomimetic Lipid Bilayers. Journal of Physical Chemistry C, 2022, 126, 4483-4494.	3.1	15
22	3D Printing Silk-Based Bioresorbable Piezoelectric Self-Adhesive Holey Structures for In Vivo Monitoring on Soft Tissues. ACS Applied Materials & Interfaces, 2022, 14, 19253-19264.	8.0	15
23	Quantitative Measurement of the Affinity of Toxic and Nontoxic Misfolded Protein Oligomers for Lipid Bilayers and of its Modulation by Lipid Composition and Trodusquemine. ACS Chemical Neuroscience, 2021, 12, 3189-3202.	3.5	13
24	Mutational Analysis of the Aggregation-Prone and Disaggregation-Prone Regions of Acylphosphatase. Journal of Molecular Biology, 2009, 387, 965-974.	4.2	12
25	Pre-diagnosing and managing patients with GM1 gangliosidosis and related disorders by the evaluation of GM1 ganglioside content. Scientific Reports, 2019, 9, 17684.	3.3	11
26	Gold Nanostars Bioconjugation for Selective Targeting and SERS Detection of Biofluids. Nanomaterials, 2021, 11, 665.	4.1	11
27	Three-Dimensional Tracking of Quantum Dot-Conjugated Molecules in Living Cells. Methods in Molecular Biology, 2018, 1814, 425-448.	0.9	9
28	Direct imaging of APP proteolysis in living cells. PeerJ, 2017, 5, e3086.	2.0	7
29	Full-length TDP-43 and its C-terminal domain form filaments inÂvitro having non-amyloid properties. Amyloid: the International Journal of Experimental and Clinical Investigation: the Official Journal of the International Society of Amyloidosis, 2021, 28, 56-65.	3.0	6
30	Quantifying the Proteolytic Cleavage of Plasma Membrane Proteins in Living Cells. Current Protocols in Cell Biology, 2018, 81, e58.	2.3	1
31	Amyloid Aggregates Alter the Membrane Mobility of GM1 Gangliosides. Biophysical Journal, 2011, 100, 539a.	0.5	0
32	Single particle tracking of amyloid oligomers on the plasma membrane of living cells. , 2011, , .		0
33	Design of Biocompatible Liquid Cristal Elastomers Reproducing the Mechanical Properties of Human Cardiac Muscle. Biophysical Journal, 2019, 116, 264a.	0.5	0
34	Plasma Membrane Dynamics and Proteolytic Processing of APP from a Single Molecule/Single Cell Perspective. Biophysical Journal, 2020, 118, 454a.	0.5	0