

Michele Francesco Maria Sciacca

List of Publications by Year in descending order

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43
papers

1,689
citations

361413

20
h-index

289244

40
g-index

44
all docs

44
docs citations

44
times ranked

2091
citing authors

#	ARTICLE	IF	CITATIONS
1	Semax, a Synthetic Regulatory Peptide, Affects Copper-Induced Abeta Aggregation and Amyloid Formation in Artificial Membrane Models. <i>ACS Chemical Neuroscience</i> , 2022, 13, 486-496.	3.5	3
2	Amyloid-Mediated Mechanisms of Membrane Disruption. <i>Biophysica</i> , 2021, 1, 137-156.	1.4	14
3	The interplay between lipid and A β amyloid homeostasis in Alzheimer's Disease: risk factors and therapeutic opportunities. <i>Chemistry and Physics of Lipids</i> , 2021, 236, 105072.	3.2	16
4	Tau/A β chimera peptides: A Thioflavin-T and MALDI-TOF study of A β amyloidosis in the presence of Cu(II) or Zn(II) ions and total lipid brain extract (TLBE) vesicles. <i>Chemistry and Physics of Lipids</i> , 2021, 237, 105085.	3.2	6
5	Probing the helical stability in a VEGF-mimetic peptide. <i>Bioorganic Chemistry</i> , 2021, 116, 105379.	4.1	3
6	Lipid-Chaperone Hypothesis: A Common Molecular Mechanism of Membrane Disruption by Intrinsically Disordered Proteins. <i>ACS Chemical Neuroscience</i> , 2020, 11, 4336-4350.	3.5	101
7	Trehalose Conjugates of Silybin as Prodrugs for Targeting Toxic A β Aggregates. <i>ACS Chemical Neuroscience</i> , 2020, 11, 2566-2576.	3.5	20
8	Tau/A β chimera peptides: Evaluating the dual function of metal coordination and membrane interaction in one sequence. <i>Journal of Inorganic Biochemistry</i> , 2020, 205, 110996.	3.5	7
9	The Ionophoric Activity of a Pro-Apoptotic VEGF165 Fragment on HUVEC Cells. <i>International Journal of Molecular Sciences</i> , 2020, 21, 2866.	4.1	5
10	Folding mechanisms steer the amyloid fibril formation propensity of highly homologous proteins. <i>Chemical Science</i> , 2018, 9, 3290-3298.	7.4	18
11	Amyloid growth and membrane damage: Current themes and emerging perspectives from theory and experiments on A β and hIAPP. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2018, 1860, 1625-1638.	2.6	103
12	The active role of Ca ²⁺ ions in A β -mediated membrane damage. <i>Chemical Communications</i> , 2018, 54, 3629-3631.	4.1	25
13	A blend of two resveratrol derivatives abolishes hIAPP amyloid growth and membrane damage. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2018, 1860, 1793-1802.	2.6	36
14	Tau-peptide fragments and their copper(II) complexes: Effects on Amyloid- β aggregation. <i>Inorganica Chimica Acta</i> , 2018, 472, 82-92.	2.4	17
15	Phospholipids Critical Micellar Concentrations Trigger Different Mechanisms of Intrinsically Disordered Proteins Interaction with Model Membranes. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 5125-5129.	4.6	66
16	Inhibition of A β Amyloid Growth and Toxicity by Silybins: The Crucial Role of Stereochemistry. <i>ACS Chemical Neuroscience</i> , 2017, 8, 1767-1778.	3.5	72
17	Strategy to discover full-length amyloid-beta peptide ligands using high-efficiency microarray technology. <i>Beilstein Journal of Nanotechnology</i> , 2017, 8, 2446-2453.	2.8	2
18	Extracellular truncated tau causes early presynaptic dysfunction associated with Alzheimer's disease and other tauopathies. <i>Oncotarget</i> , 2017, 8, 64745-64778.	1.8	49

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19	The Role of Cholesterol in Driving IAPP-Membrane Interactions. <i>Biophysical Journal</i> , 2016, 111, 140-151.	0.5	74
20	Probing the Sources of the Apparent Irreproducibility of Amyloid Formation: Drastic Changes in Kinetics and a Switch in Mechanism Due to Micellelike Oligomer Formation at Critical Concentrations of IAPP. <i>Journal of Physical Chemistry B</i> , 2015, 119, 2886-2896.	2.6	85
21	The Role of Calcium, Lipid Membranes and Islet Amyloid Polypeptide in the Onset of Type 2 Diabetes: Innocent Bystanders or Partners in a Crime?. <i>Frontiers in Endocrinology</i> , 2014, 5, 216.	3.5	16
22	Non-selective ion channel activity of polymorphic human islet amyloid polypeptide (amylin) double channels. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 2368-2377.	2.8	36
23	Gangliosides Mediate a Two-Step Mechanism of Membrane Disruption by β -Amyloid: Initial Pore Formation Followed by Membrane Fragmentation. <i>Biophysical Journal</i> , 2013, 104, 217a.	0.5	2
24	Pores Versus Fibrils: Calcium Ions Regulate Different IAPP-Mediated Membrane Damage Mechanisms. <i>Biophysical Journal</i> , 2013, 104, 395a.	0.5	1
25	Divergent Mechanisms in Amyloid Formation Controlled by Critical Points. <i>Biophysical Journal</i> , 2013, 104, 51a.	0.5	0
26	Cations as Switches of Amyloid-Mediated Membrane Disruption Mechanisms: Calcium and IAPP. <i>Biophysical Journal</i> , 2013, 104, 173-184.	0.5	103
27	Copper(ii) and zinc(ii) dependent effects on $A\beta_{42}$ aggregation: a CD, Th-T and SFM study. <i>New Journal of Chemistry</i> , 2013, 37, 1206.	2.8	13
28	Lipid Composition-Dependent Membrane Fragmentation and Pore-Forming Mechanisms of Membrane Disruption by Pexiganan (MSI-78). <i>Biochemistry</i> , 2013, 52, 3254-3263.	2.5	63
29	Tracking Conformational Changes during Amyloidogenesis in Real-Time at Atomic-Resolution by NMR. <i>Biophysical Journal</i> , 2012, 102, 242a.	0.5	0
30	The Role of α -Raft-Like Membranes on Antimicrobial Peptide-Lipid Bilayer Interactions. <i>Biophysical Journal</i> , 2012, 102, 495a.	0.5	0
31	Phosphatidylethanolamine Enhances Amyloid Fiber Dependent Membrane Fragmentation. <i>Biophysical Journal</i> , 2012, 102, 488a.	0.5	3
32	Interactions of two O-phosphorylresveratrol derivatives with model membranes. <i>Archives of Biochemistry and Biophysics</i> , 2012, 521, 111-116.	3.0	13
33	Does cholesterol suppress the antimicrobial peptide induced disruption of lipid raft containing membranes?. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2012, 1818, 3019-3024.	2.6	80
34	Two-Step Mechanism of Membrane Disruption by $A\beta_2$ through Membrane Fragmentation and Pore Formation. <i>Biophysical Journal</i> , 2012, 103, 702-710.	0.5	326
35	Phosphatidylethanolamine Enhances Amyloid Fiber-Dependent Membrane Fragmentation. <i>Biochemistry</i> , 2012, 51, 7676-7684.	2.5	103
36	The role of aromatic side-chains in amyloid growth and membrane interaction of the islet amyloid polypeptide fragment LANFLVH. <i>European Biophysics Journal</i> , 2011, 40, 1-12.	2.2	50

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37	Self-Assembling Pathway of HiApp Fibrils within Lipid Bilayers. <i>ChemBioChem</i> , 2010, 11, 1856-1859.	2.6	38
38	Membrane Interactions and Conformational Preferences of Human and Avian Prion N-Terminal Tandem Repeats: The Role of Copper(II) Ions, pH, and Membrane Mimicking Environments. <i>Journal of Physical Chemistry B</i> , 2010, 114, 13830-13838.	2.6	37
39	Are fibril growth and membrane damage linked processes? An experimental and computational study of IAPP12-18 and IAPP21-27 peptides. <i>New Journal of Chemistry</i> , 2010, 34, 200-207.	2.8	19
40	Interaction of Human Amylin with Phosphatidylcholine and Phosphatidylserine Membranes. <i>Molecular Crystals and Liquid Crystals</i> , 2009, 500, 73-81.	0.9	3
41	Thermodynamics of azurin folding. <i>Journal of Thermal Analysis and Calorimetry</i> , 2008, 93, 575-581.	3.6	8
42	Calcium-activated membrane interaction of the islet amyloid polypeptide: Implications in the pathogenesis of type II diabetes mellitus. <i>Archives of Biochemistry and Biophysics</i> , 2008, 477, 291-298.	3.0	40
43	Role of electrostatics in the thermal stability of ubiquitin. <i>Journal of Thermal Analysis and Calorimetry</i> , 2006, 86, 311-314.	3.6	10