

Angela Corcelli

List of Publications by Year in descending order

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70
papers

1,943
citations

201674

27
h-index

276875

41
g-index

75
all docs

75
docs citations

75
times ranked

2148
citing authors

#	ARTICLE	IF	CITATIONS
1	Vesicle-Cloaked Virus Clusters Are Optimal Units for Inter-organismal Viral Transmission. <i>Cell Host and Microbe</i> , 2018, 24, 208-220.e8.	11.0	209
2	A Novel Glycolipid and Phospholipid in the Purple Membrane. <i>Biochemistry</i> , 2000, 39, 3318-3326.	2.5	88
3	Lipid-protein stoichiometries in a crystalline biological membrane: NMR quantitative analysis of the lipid extract of the purple membrane. <i>Journal of Lipid Research</i> , 2002, 43, 132-140.	4.2	74
4	Lipidomics of intact mitochondria by MALDI-TOF/MS. <i>Journal of Lipid Research</i> , 2012, 53, 1417-1425.	4.2	62
5	Force measurements on natural membrane nanovesicles reveal a composition-independent, high Young's modulus. <i>Nanoscale</i> , 2014, 6, 2275.	5.6	61
6	Novel Sulfonolipid in the Extremely Halophilic Bacterium <i>Salinibacter ruber</i> . <i>Applied and Environmental Microbiology</i> , 2004, 70, 6678-6685.	3.1	58
7	Novel ether lipid cardiolipins in archaeal membranes of extreme haloalkaliphiles. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2012, 1818, 1365-1373.	2.6	56
8	The cardiolipin analogues of Archaea. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2009, 1788, 2101-2106.	2.6	52
9	Lipid-protein stoichiometries in a crystalline biological membrane: NMR quantitative analysis of the lipid extract of the purple membrane. <i>Journal of Lipid Research</i> , 2002, 43, 132-40.	4.2	52
10	Neosynthesis of Cardiolipin in <i>Rhodobacter sphaeroides</i> under Osmotic Stress. <i>Biochemistry</i> , 2004, 43, 15066-15072.	2.5	50
11	The role of 3-dimethylaminopropylamine and amidoamine in contact allergy to cocamidopropylbetaine. <i>Contact Dermatitis</i> , 2003, 48, 194-198.	1.4	46
12	Osmotic shock induces the presence of glyco-cardiolipin in the purple membrane of <i>Halobacterium salinarum</i> . <i>Journal of Lipid Research</i> , 2003, 44, 2120-2126.	4.2	46
13	Osmotic shock stimulates de novo synthesis of two cardiolipins in an extreme halophilic archaeon. <i>Journal of Lipid Research</i> , 2004, 45, 194-201.	4.2	44
14	Electroneutral Na ⁺ /dicarboxylic amino acid cotransport in rat intestinal brush border membrane vesicles. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1982, 689, 97-105.	2.6	41
15	Lipid profiling of parkin mutant human skin fibroblasts. <i>Journal of Cellular Physiology</i> , 2017, 232, 3540-3551.	4.1	39
16	MALDI-TOF/MS analysis of archaeobacterial lipids in lyophilized membranes dry-mixed with 9-aminoacridine. <i>Journal of Lipid Research</i> , 2010, 51, 2818-2825.	4.2	38
17	Identification of unique cardiolipin and monolysocardiolipin species in <i>Acinetobacter baumannii</i> . <i>Scientific Reports</i> , 2017, 7, 2972.	3.3	37
18	Presence of two novel cardiolipins in the halophilic archaeal community in the crystallizer brines from the salterns of Margherita di Savoia (Italy) and Eilat (Israel). <i>Extremophiles</i> , 2002, 6, 437-444.	2.3	36

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19	25 Characterization of Lipids of Halophilic Archaea. <i>Methods in Microbiology</i> , 2006, , 585-613.	0.8	35
20	Lipids of the ultra-thin square halophilic archaeon <i>Haloquadratum walsbyi</i> . <i>Archaea</i> , 2008, 2, 177-183.	2.3	34
21	Targeting Mitochondria by SS-31 Ameliorates the Whole Body Energy Status in Cancer- and Chemotherapy-Induced Cachexia. <i>Cancers</i> , 2021, 13, 850.	3.7	32
22	The role of potassium and chloride ions on the Na ⁺ /acidic amino acid cotransport system in rat intestinal brush-border membrane vesicles. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1983, 732, 24-31.	2.6	31
23	Cardiolipin increases in chromatophores isolated from <i>Rhodobacter sphaeroides</i> after osmotic stress: structural and functional roles. <i>Journal of Lipid Research</i> , 2009, 50, 256-264.	4.2	31
24	Detection of explosives by olfactory sensory neurons. <i>Journal of Hazardous Materials</i> , 2010, 175, 1096-1100.	12.4	31
25	Deciphering archaeal glycolipids of an extremely halophilic archaeon of the genus <i>Halobellus</i> by MALDI-TOF/MS. <i>Chemistry and Physics of Lipids</i> , 2015, 186, 1-8.	3.2	31
26	Light-dependent and Biochemical Properties of Two Different Bands of Bacteriorhodopsin Isolated on Phenyl-Sepharose CL-4B. <i>Photochemistry and Photobiology</i> , 1999, 69, 599-604.	2.5	29
27	Coupled TLC and MALDI-TOF/MS Analyses of the Lipid Extract of the Hyperthermophilic Archaeon <i>Pyrococcus furiosus</i> . <i>Archaea</i> , 2012, 2012, 1-10.	2.3	29
28	The acylhalocapnines of halophilic bacteria: structural details of unusual sulfonate sphingoids. <i>Journal of Lipid Research</i> , 2010, 51, 1878-1885.	4.2	28
29	A fast method for the determination of the PC/LPC ratio in intact serum by MALDI-TOF MS: An easy-to-follow lipid biomarker of inflammation. <i>Chemistry and Physics of Lipids</i> , 2014, 183, 169-175.	3.2	28
30	Lipidomic Analysis of Porcine Olfactory Epithelial Membranes and Cilia. <i>Lipids</i> , 2010, 45, 593-602.	1.7	27
31	Mitochondria isolated in nearly isotonic KCl buffer: Focus on cardiolipin and organelle morphology. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2010, 1798, 681-687.	2.6	27
32	N-arachidonylglycine causes ROS production and cytochrome c release in liver mitochondria. <i>Free Radical Biology and Medicine</i> , 2009, 47, 585-592.	2.9	26
33	Adjusting membrane lipids under salt stress: the case of the moderate halophilic organism <i>Halobacillus halophilus</i> . <i>Environmental Microbiology</i> , 2013, 15, 1078-1087.	3.8	25
34	The energy blockers bromopyruvate and lonidamine lead GL15 glioblastoma cells to death by different p53-dependent routes. <i>Scientific Reports</i> , 2015, 5, 14343.	3.3	24
35	Cardiolipin fingerprinting of leukocytes by MALDI-TOF/MS as a screening tool for Barth syndrome. <i>Journal of Lipid Research</i> , 2015, 56, 1787-1794.	4.2	24
36	Chloride dependence of the sodium-dependent glycine transport in pig kidney cortex brush-border membrane vesicles. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1987, 903, 1-10.	2.6	23

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37	Role of palmitic acid on the isolation and properties of halorhodopsin. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1996, 1281, 173-181.	2.6	21
38	A Lipidomic Approach to Identify Potential Biomarkers in Exosomes From Melanoma Cells With Different Metastatic Potential. <i>Frontiers in Physiology</i> , 2021, 12, 748895.	2.8	21
39	Characterization of polar membrane lipids of the extremely halophilic bacterium <i>Salinibacter ruber</i> and possible role of cardiolipin. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2009, 1791, 25-31.	2.4	19
40	Anandamide inhibits oxidative phosphorylation in isolated liver mitochondria. <i>FEBS Letters</i> , 2011, 585, 429-434.	2.8	19
41	Cardiolipin is associated with the terminal oxidase of an extremely halophilic archaeon. <i>Biochemical and Biophysical Research Communications</i> , 2007, 354, 795-801.	2.1	18
42	Bromopyruvate mediates autophagy and cardiolipin degradation to monolyso-cardiolipin in GL15 glioblastoma cells. <i>Journal of Bioenergetics and Biomembranes</i> , 2012, 44, 51-60.	2.3	18
43	Archaeobacterial lipid membranes as models to study the interaction of 10-N-nonyl acridine orange with phospholipids. <i>Chemistry and Physics of Lipids</i> , 2009, 157, 12-20.	3.2	17
44	Glycocardiolipin modulates the surface interaction of the proton pumped by bacteriorhodopsin in purple membrane preparations. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2007, 1768, 2157-2163.	2.6	16
45	Lipid fingerprints of intact viruses by MALDI-TOF/mass spectrometry. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2013, 1831, 872-879.	2.4	15
46	Morphology, Biophysical Properties and Protein-Mediated Fusion of Archaeosomes. <i>PLoS ONE</i> , 2012, 7, e39401.	2.5	14
47	<i>Halostagnicola bangensis</i> sp. nov., an alkaliphilic haloarchaeon from a soda lake. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2015, 65, 754-759.	1.7	13
48	Relationship between cardiolipin metabolism and oxygen availability in <i>Bacillus subtilis</i> . <i>FEBS Open Bio</i> , 2013, 3, 151-155.	2.3	12
49	Palmitate lipotoxicity in enteric glial cells: Lipid remodeling and mitochondrial ROS are responsible for cyt c release outside mitochondria. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2018, 1863, 895-908.	2.4	12
50	Palmitic acid is associated with halorhodopsin as a free fatty acid. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1998, 1370, 273-279.	2.6	11
51	Morphological and Structural Aspects of the Extremely Halophilic Archaeon <i>Haloquadratum walsbyi</i> . <i>PLoS ONE</i> , 2011, 6, e18653.	2.5	11
52	Surface chemical functionalization of single walled carbon nanotubes with a bacteriorhodopsin mutant. <i>Nanoscale</i> , 2012, 4, 6434.	5.6	11
53	Alteration of Cholesterol Sulfate/Seminolipid Ratio in Semen Lipid Profile of Men With Oligoasthenozoospermia. <i>Frontiers in Physiology</i> , 2019, 10, 1344.	2.8	11
54	Oxidoreductase activity of chromatophores and purified cytochrome bc 1 complex from <i>Rhodobacter sphaeroides</i> : a possible role of cardiolipin. <i>Journal of Bioenergetics and Biomembranes</i> , 2012, 44, 487-493.	2.3	8

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55	The Light-Activated Proton Pump Bop I of The Archaeon <i>Haloquadratum walsbyi</i> . <i>Photochemistry and Photobiology</i> , 2012, 88, 690-700.	2.5	8
56	Structural studies on archaeal phytanyl-ether lipids isolated from membranes of extreme halophiles by linear ion-trap multiple-stage tandem mass spectrometry with electrospray ionization. <i>Analytica Chimica Acta</i> , 2013, 771, 73-85.	5.4	8
57	Isolation of Squarebop I bacteriorhodopsin from biomass of coastal salterns. <i>Protein Expression and Purification</i> , 2012, 84, 73-79.	1.3	7
58	Mechanism of Cl ⁻ transport in eel intestinal brush-border membrane vesicles. <i>Pflugers Archiv European Journal of Physiology</i> , 1992, 420, 551-558.	2.8	5
59	<i>Haloferax volcanii</i> , as a Novel Tool for Producing Mammalian Olfactory Receptors Embedded in Archaeal Lipid Bilayer. <i>Life</i> , 2015, 5, 770-782.	2.4	5
60	<i>In vivo</i> synthesis of monolysocardiolipin and cardiolipin by <i>Acinetobacter baumannii</i> phospholipase D and effect on cationic antimicrobial peptide resistance. <i>Environmental Microbiology</i> , 2020, 22, 5300-5308.	3.8	5
61	Assessing olfactory functions in patients with Barth syndrome. <i>PLoS ONE</i> , 2017, 12, e0187619.	2.5	4
62	Lipid Profile Changes During the Development of <i>Artemia franciscana</i> , From Cysts to the First Two Naupliar Stages. <i>Frontiers in Physiology</i> , 2018, 9, 1872.	2.8	4
63	Lipid Biology of Archaea. <i>Archaea</i> , 2012, 2012, 1-2.	2.3	3
64	Cross-species complementation of bacterial- and eukaryotic-type cardiolipin synthases. <i>Microbial Cell</i> , 2017, 4, 376-383.	3.2	3
65	Glycine Uptake in Pig Kidney Cortex Brush-Border Membrane Vesicles: Effect of Cl. <i>Annals of the New York Academy of Sciences</i> , 1985, 456, 124-126.	3.8	2
66	Impairment of brain mitochondrial functions by β -hemolytic Group B <i>Streptococcus</i> . Effect of cardiolipin and phosphatidylcholine. <i>Journal of Bioenergetics and Biomembranes</i> , 2013, 45, 519-529.	2.3	2
67	MALDI-TOF MS Lipid Profiles of Cytochrome <i>c</i> Oxidases: Cardiolipin Is Not an Essential Component of the <i>Paracoccus denitrificans</i> Oxidase. <i>Biochemistry</i> , 2015, 54, 1144-1150.	2.5	2
68	Monolysocardiolipin/cardiolipin ratio of intact leukocytes as novel tool for the screening of Barth Syndrome. <i>FASEB Journal</i> , 2015, 29, 885.27.	0.5	2
69	Fingerprinting Cardiolipin in Leukocytes by Mass Spectrometry for a Rapid Diagnosis of Barth Syndrome. <i>Journal of Visualized Experiments</i> , 2022, , .	0.3	2
70	The Archaeal Cardiolipins of the Extreme Halophiles. , 2004, , 205-214.		1