Richard M Epand

List of Publications by Year
in descending order

535 papers	26,199 citations	6592 79 h-index	13338 130 g-index
551 all docs	551 docs citations	551 times ranked	19548 citing authors

#	Article	IF	Citations
1	Human Diacylglycerol Kinase Îµ N-Terminal Segment Regulates the Phosphatidylinositol Cycle, Controlling the Rate but Not the Acyl Chain Composition of Its Lipid Intermediates. ACS Chemical Biology, 2022, 17, 2495-2506.	1.6	7
2	Î±-Synuclein and neuronal membranes: Conformational flexibilities in health and disease. Chemistry and Physics of Lipids, 2021, 235, 105034.	1.5	8
3	Membrane morphology determines diacylglycerol kinase Î± substrate acyl chain specificity. FASEB Journal, 2021, 35, e21602.	0.2	7
4	Membrane shape as determinant of protein properties. Biophysical Chemistry, 2021, 273, 106587.	1.5	31
5	Plasmalogens and Chronic Inflammatory Diseases. Frontiers in Physiology, 2021, 12, 730829.	1.3	52
6	Interplay between cardiolipin and plasmalogens in Barth syndrome. Journal of Inherited Metabolic Disease, 2021, 45, 99.	1.7	6
7	Plasmalogen Replacement Therapy. Membranes, 2021, 11, 838.	1.4	18
8	Investigating the Effects of Charge Arrangement in Stimuli-Responsive Polyelectrolytes. Macromolecules, 2021, 54, 11427-11438.	2.2	4
9	Regulation of DGKÎµ Activity and Substrate Acyl Chain Specificity by Negatively Charged Phospholipids. Biophysical Journal, 2020, 118, 957-966.	0.2	6
10	Discovery of an antivirulence compound that reverses Î²-lactam resistance in MRSA. Nature Chemical Biology, 2020, 16, 143-149.	3.9	57
11	Determinants of lipids acyl chain specificity: A tale of two enzymes. Biophysical Chemistry, 2020, 265, 106431.	1.5	15
12	Membrane Shape and the Regulation of Biological Processes. Journal of Molecular Biology, 2020, 432, 5124-5136.	2.0	23
13	Molecular Mechanism for the Suppression of Alpha Synuclein Membrane Toxicity by an Unconventional Extracellular Chaperone. Journal of the American Chemical Society, 2020, 142, 9686-9699.	6.6	15
14	CDP-diacylglycerol, a critical intermediate in lipid metabolism. Chemistry and Physics of Lipids, 2020, 230, 104914.	1.5	27
15	Membrane activity of two short Trp-rich amphipathic peptides. Biochimica Et Biophysica Acta - Biomembranes, 2020, 1862, 183280.	1.4	8
16	Promotion of plasmalogen biosynthesis reverse lipid changes in a Barth Syndrome cell model. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2020, 1865, 158677.	1.2	9
17	Lipid asymmetry of a model mitochondrial outer membrane affects Bax-dependent permeabilization. Biochimica Et Biophysica Acta - Biomembranes, 2020, 1862, 183241.	1.4	5
18	Structural Basis of Alpha Synuclein Assembly Toxicity Inhibition by Human Serum Albumin. Biophysical Journal, 2020, 118, 61a-62a.	0.2	0

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19	Specificity of Acyl Chain Composition of Phosphatidylinositols. Proteomics, 2019, 19, e1900138.	1.3	20
20	Membrane Remodeling by the Lytic Fragment ofÂSticholysinII: Implications for the Toroidal PoreÂModel. Biophysical Journal, 2019, 117, 1563-1576.	0.2	12
21	Atomic resolution map of the soluble amyloid beta assembly toxic surfaces. Chemical Science, 2019, 10, 6072-6082.	3.7	48
22	Cholesterol-Recognition Motifs in Membrane Proteins. Advances in Experimental Medicine and Biology, 2019, 1135, 3-25.	0.8	67
23	Role of membrane shape in regulating the phosphatidylinositol cycle at contact sites. Chemistry and Physics of Lipids, 2019, 221, 24-29.	1.5	15
24	Anionic Lipid Clustering Model. Advances in Experimental Medicine and Biology, 2019, 1117, 65-71.	0.8	16
25	Plasmalogen loss caused by remodeling deficiency in mitochondria. Life Science Alliance, 2019, 2, e201900348.	1.3	29
26	Plasmalogen Precursors Reverse Lipid Changes in a Barth Syndrome Cell Model. FASEB Journal, 2019, 33, 660.4.	0.2	0
27	Membrane Physical Properties Regulate the Rate and Acyl Chain Specificity of One of the Steps of the Phosphatidylinositol Cycle. FASEB Journal, 2019, 33, 787.1.	0.2	0
28	Substantial Decrease in Plasmalogen in the Heart Associated with Tafazzin Deficiency. Biochemistry, 2018, 57, 2162-2175.	1.2	27
29	NME4/nucleoside diphosphate kinase D in cardiolipin signaling and mitophagy. Laboratory Investigation, 2018, 98, 228-232.	1.7	29
30	Membrane curvature allosterically regulates the phosphatidylinositol cycle, controlling its rate and acyl-chain composition of its lipid intermediates. Journal of Biological Chemistry, 2018, 293, 17780-17791.	1.6	47
31	Membrane Lipid Domains. , 2018, , 1-11.		1
32	Features of the Phosphatidylinositol Cycle and its Role in Signal Transduction. Journal of Membrane Biology, 2017, 250, 353-366.	1.0	53
33	Expression, Purification, and Properties of a Human Arachidonoyl-Specific Isoform of Diacylglycerol Kinase. Biochemistry, 2017, 56, 1337-1347.	1.2	13
34	Arginine-lysine positional swap of the LL-37 peptides reveals evolutional advantages of the native sequence and leads to bacterial probes. Biochimica Et Biophysica Acta - Biomembranes, 2017, 1859, 1350-1361.	1.4	27
35	Thermodynamics of Methyl-Î²-cyclodextrin-Induced Lipid Vesicle Solubilization: Effect of Lipid Headgroup and Backbone. Langmuir, 2017, 33, 13882-13891.	1.6	13
36	Phylogenetic analysis of the diacylglycerol kinase family of proteins and identification of multiple highly-specific conserved inserts and deletions within the catalytic domain that are distinctive characteristics of different classes of DGK homologs. PLoS ONE, 2017, 12, e0182758.	1.1	7

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37	A tribute to Alexander Davidson Bain: An NMR pioneer and mentor at McMaster University. Concepts in Magnetic Resonance Part A: Bridging Education and Research, 2016, 45A, e21418.	0.2	0
38	Diacylglycerol Kinase-Îµ: Properties and Biological Roles. Frontiers in Cell and Developmental Biology, 2016, 4, 112.	1.8	36
39	Introduction to the Special Issue on â€œProperties and Functions of Cholesterolâ€• Chemistry and Physics of Lipids, 2016, 199, 1-2.	1.5	3
40	In vitro determination of the solubility limit of cholesterol in phospholipid bilayers. Chemistry and Physics of Lipids, 2016, 198, 13.	1.5	1
41	Host Defense Peptides and Their Potential as Therapeutic Agents. , 2016, , .		19
42	Diacylglycerol kinase epsilon suppresses expression of p53 and glycerol kinase in mouse embryo fibroblasts. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2016, 1861, 1993-1999.	1.2	6
43	In vitro determination of the solubility limit of cholesterol in phospholipid bilayers. Chemistry and Physics of Lipids, 2016, 199, 3-10.	1.5	10
44	Loss of protein association causes cardiolipin degradation in Barth syndrome. Nature Chemical Biology, 2016, 12, 641-647.	3.9	99
45	Content of Plasmalogen Lipids Markedly Decreases in Barth Syndrome. Biophysical Journal, 2016, 110, 84a.	0.2	0
46	Roles of specific lipid species in the cell and their molecular mechanism. Progress in Lipid Research, 2016, 62, 75-92.	5.3	81
47	NDPK-D (NM23-H4)-mediated externalization of cardiolipin enables elimination of depolarized mitochondria by mitophagy. Cell Death and Differentiation, 2016, 23, 1140-1151.	5.0	147
48	Introduction to the special issue: Inhibitors of enzymes involved in lipid metabolism. Chemistry and Physics of Lipids, 2016, 197, 1-2.	1.5	0
49	Molecular mechanisms of membrane targeting antibiotics. Biochimica Et Biophysica Acta - Biomembranes, 2016, 1858, 980-987.	1.4	372
50	Strong Static Magnetic Fields Increase the Gel Signal in Partially Hydrated DPPC/DMPC Membranes. Membranes, 2015, 5, 532-552.	1.4	1
51	The Phosphatidylinositol Synthase-Catalyzed Formation of Phosphatidylinositol Does Not Exhibit Acyl Chain Specificity. Biochemistry, 2015, 54, 1151-1153.	1.2	19
52	Molecular properties of diacylglycerol kinase-epsilon in relation to function. Chemistry and Physics of Lipids, 2015, 192, 100-108.	1.5	9
53	Comment on â€œCholesterol solubility limit in lipid membranes probed by small angle neutron scattering and MD simulationsâ€•by S. Garg et al., Soft Matter, 2014, 10, 9313. Soft Matter, 2015, 11, 5580-5581.	1.2	0
54	Response to â€œReply to the â€˜Comment on â€œCholesterol Solubility Limit in Lipid Membranes probed by Small Angle Neutron Scattering and MD Simulations by Ursula Perez-Salas, Soft Matter, 2014, 10, 9313â€“9317â€â€™â€• Soft Matter, 2015, 11, 7457-7457.	1.2	0

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55	A conserved MADS-box phosphorylation motif regulates differentiation and mitochondrial function in skeletal, cardiac, and smooth muscle cells. Cell Death and Disease, 2015, 6, e1944-e1944.	2.7	48
56	Membrane curvature modulation of protein activity determined by NMR. Biochimica Et Biophysica Acta - Biomembranes, 2015, 1848, 220-228.	1.4	50
57	Mitochondrial NM23-H4/NDPK-D: a bifunctional nanoswitch for bioenergetics and lipid signaling. Naunyn-Schmiedeberg's Archives of Pharmacology, 2015, 388, 271-278.	1.4	16
58	Introduction to Membrane Lipids. Methods in Molecular Biology, 2015, 1232, 1-6.	0.4	13
59	Mammalian Diacylglycerol Kinase Epsilon: Expression in Sf21 Cells, Purification, and Characterization. FASEB Journal, 2015, 29, 895.1.	0.2	0
60	Mitochondrial cardiolipin/phospholipid trafficking: The role of membrane contact site complexes and lipid transfer proteins. Chemistry and Physics of Lipids, 2014, 179, 32-41.	1.5	61
61	High-quality 3D structures shine light on antibacterial, anti-biofilm and antiviral activities of human cathelicidin LL-37 and its fragments. Biochimica Et Biophysica Acta - Biomembranes, 2014, 1838, 2160-2172.	1.4	142
62	Deciphering the mysteries of cardiolipins in mitochondria. Chemistry and Physics of Lipids, 2014, 179, 1-2.	1.5	3
63	Enrichment of phosphatidylinositols with specific acyl chains. Biochimica Et Biophysica Acta - Biomembranes, 2014, 1838, 1501-1508.	1.4	71
64	Distinct Properties of the Two Isoforms of CDP-Diacylglycerol Synthase. Biochemistry, 2014, 53, 7358-7367.	1.2	47
65	Externalization of Cardiolipin as an â€œEat-Meâ€•Mitophageal Signal is Facilitated by NDPK-D. Biophysical Journal, 2014, 106, 184a.	0.2	3
66	Contrasting the incorporation of glycerol into lipids caused by the presence of two isoforms of diacylglycerol kinase (605.20). FASEB Journal, 2014, 28, 605.20.	0.2	0
67	Sensitization of gramâ€negative bacteria by targeting the membrane potential. FASEB Journal, 2013, 27, 3818-3826.	0.2	57
68	Mitochondrial Nm23-H4/NDPK-D is Multifunctional: Intermembrane Cardiolipin Transfer Linked to Apoptosis. Biophysical Journal, 2013, 104, 216a.	0.2	0
69	Diacylglycerol Kinase Delta Promotes Lipogenesis. Biochemistry, 2013, 52, 7766-7776.	1.2	18
70	The sticholysin family of pore-forming toxins induces the mixing of lipids in membrane domains. Biochimica Et Biophysica Acta - Biomembranes, 2013, 1828, 2757-2762.	1.4	34
71	Structural location determines functional roles of the basic amino acids of KR-12, the smallest antimicrobial peptide from human cathelicidin LL-37. RSC Advances, 2013, 3, 19560.	1.7	52
72	Dual Function of Mitochondrial Nm23-H4 Protein in Phosphotransfer and Intermembrane Lipid Transfer. Journal of Biological Chemistry, 2013, 288, 111-121.	1.6	92

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73	5-(Perylen-3-yl)Ethynyl-arabino-Uridine (aUY11), an Arabino-Based Rigid Amphipathic Fusion Inhibitor, Targets Virion Envelope Lipids To Inhibit Fusion of Influenza Virus, Hepatitis C Virus, and Other Enveloped Viruses. Journal of Virology, 2013, 87, 3640-3654.	1.5	65
74	The basis of the substrate specificity of the epsilon isoform of human diacylglycerol kinase is not a consequence of competing hydrolysis of ATP. Chemistry and Physics of Lipids, 2013, 166, 26-30.	1.5	4
75	Aggregatibacter actinomycetemcomitans Leukotoxin Utilizes a Cholesterol Recognition/Amino Acid Consensus Site for Membrane Association. Journal of Biological Chemistry, 2013, 288, 23607-23621.	1.6	47
76	The Basis of the Substrate Specificity of the Epsilon Isoform of Human Diacylglycerol Kinase is not a Consequence of Competing Hydrolysis of ATP. FASEB Journal, 2013, 27, 1018.2.	0.2	0
77	Antibacterial Properties of an Oligo-Acyl-Lysyl Hexamer Targeting Gram-Negative Species. Antimicrobial Agents and Chemotherapy, 2012, 56, 4827-4832.	1.4	13
78	Phosphatidylinositol-4-phosphate 5-Kinase Isoforms Exhibit Acyl Chain Selectivity for Both Substrate and Lipid Activator. Journal of Biological Chemistry, 2012, 287, 35953-35963.	1.6	47
79	The physical state of lipid substrates provides transacylation specificity for tafazzin. Nature Chemical Biology, 2012, 8, 862-869.	3.9	101
80	Decoding the Functional Roles of Cationic Side Chains of the Major Antimicrobial Region of Human Cathelicidin LL-37. Antimicrobial Agents and Chemotherapy, 2012, 56, 845-856.	1.4	88
81	The Clustering of Anionic Lipids by Highly Cationic Cell Penetrating Peptides, as with Antimicrobial Peptides, can Contribute to their Antimicrobial Activity. Biophysical Journal, 2012, 102, 487a.	0.2	0
82	Mitochondrial Nm23-H4 can switch between phosphotransfer and lipid transfer activities. Biochimica Et Biophysica Acta - Bioenergetics, 2012, 1817, S87-S88.	0.5	0
83	Intermembrane Lipid Transfer is Facilitated by Mitochondrial Nucleoside Diphosphate Kinase D. Biophysical Journal, 2012, 102, 494a-495a.	0.2	0
84	Reconstitution of Acyl Specific Phospholipid Remodeling by Purified Tafazzin In Vitro. Biophysical Journal, 2012, 102, 289a.	0.2	0
85	Catalytic Activity and Acyl-Chain Selectivity of Diacylglycerol Kinase É› Are Modulated by Residues in and near the Lipoxygenase-Like Motif. Journal of Molecular Biology, 2012, 416, 619-628.	2.0	9
86	Further Insights into the Properties of the HIV gp41 Fusion Domain: Commentary on the Article by A. L. Lai et al.. Journal of Molecular Biology, 2012, 418, 1-2.	2.0	3
87	Recognition of polyunsaturated acyl chains by enzymes acting on membrane lipids. Biochimica Et Biophysica Acta - Biomembranes, 2012, 1818, 957-962.	1.4	14
88	Caveolin-1 hydrophobic segment peptides insertion into membrane mimetic systems: Role of Proline residue. Biochimica Et Biophysica Acta - Biomembranes, 2012, 1818, 12-18.	1.4	16
89	Membrane-Active Peptides and the Clustering of Anionic Lipids. Biophysical Journal, 2012, 103, 265-274.	0.2	115
90	Aggregatibacter actinomycetemcomitans leukotoxin cytotoxicity occurs through bilayer destabilization. Cellular Microbiology, 2012, 14, 869-881.	1.1	29

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91	Phosphocreatine Interacts with Phospholipids, Affects Membrane Properties and Exerts Membrane-Protective Effects. PLoS ONE, 2012, 7, e43178.	1.1	61
92	Physical Properties Affecting Cochleate Formation and Morphology Using Antimicrobial Oligo-acyl-lysyl Peptide Mimetics and Mixtures Mimicking the Composition of Bacterial Membranes in the Absence of Divalent Cations. Journal of Physical Chemistry B, 2011, 115, 2287-2293.	1.2	19
93	Regulation and Functions of Diacylglycerol Kinases. Chemical Reviews, 2011, 111, 6186-6208.	23.0	176
94	Acyl Chain Specificity of the Inhibition of Actin Polymerization by the InteractionÂof Lysophosphatidic Acid and Villin. Biophysical Journal, 2011, 100, 301a.	0.2	0
95	Endocannabinoids and diacylglycerol kinase activity. Biochimica Et Biophysica Acta - Biomembranes, 2011, 1808, 1050-1053.	1.4	7
96	Study of Arachidonoyl Specificity in Two Enzymes of the PI Cycle. Journal of Molecular Biology, 2011, 409, 101-112.	2.0	41
97	The oxysterol 3Î²-hydroxy-5-oxo-5,6-secocholestan-6-al changes the phase behavior and structure of phosphatidylethanolamineâ€“phosphatidylcholine mixtures. Chemistry and Physics of Lipids, 2011, 164, 672-679.	1.5	6
98	Electrodeposition of chitosanâ€“hemoglobin films. Materials Letters, 2011, 65, 1463-1465.	1.3	34
99	Inhibition of HIV-1 endocytosis allows lipid mixing at the plasma membrane, but not complete fusion. Retrovirology, 2011, 8, 99.	0.9	89
100	Substrate specificity of diacylglycerol kinase-epsilon and the phosphatidylinositol cycle. FEBS Letters, 2011, 585, 4025-4028.	1.3	23
101	Lipid complexes with cationic peptides and OAKs; their role in antimicrobial action and in the delivery of antimicrobial agents. Cellular and Molecular Life Sciences, 2011, 68, 2177-2188.	2.4	29
102	Bacterial membrane lipids in the action of antimicrobial agents. Journal of Peptide Science, 2011, 17, 298-305.	0.8	254
103	Functional studies of cochleate assemblies of an oligoâ€acylâ€lysyl with lipid mixtures for combating bacterial multidrug resistance. FASEB Journal, 2011, 25, 3336-3343.	0.2	22
104	Soluble Respiratory Syncytial Virus Fusion Protein in the Fully Cleaved, Pretriggered State Is Triggered by Exposure to Low-Molarity Buffer. Journal of Virology, 2011, 85, 3968-3977.	1.5	56
105	The Final Conformation of the Complete Ectodomain of the HA2 Subunit of Influenza Hemagglutinin Can by Itself Drive Low pH-dependent Fusion. Journal of Biological Chemistry, 2011, 286, 13226-13234.	1.6	40
106	Phosphatidylethanolamines Modified by Î³-Ketoaldehyde (Î³KA) Induce Endoplasmic Reticulum Stress and Endothelial Activation. Journal of Biological Chemistry, 2011, 286, 18170-18180.	1.6	46
107	Flanking Residues Help Determine Whether a Hydrophobic Segment Adopts a Monotopic or Bitopic Topology in the Endoplasmic Reticulum Membrane. Journal of Biological Chemistry, 2011, 286, 25284-25290.	1.6	17
108	Functional Consequencesof the Lateral Organizationof Biological Membranes. , 2011, , 133-152.		1

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109	Identification of a common motif for the recognition of moieties containing polyunsaturated fatty acids. FASEB Journal, 2011, 25, 939.7.	0.2	0
110	Electrodeposition of hyaluronic acid and hyaluronic acidâ€“bovine serum albumin films from aqueous solutions. Colloids and Surfaces B: Biointerfaces, 2010, 77, 279-285.	2.5	33
111	Oral administration of L-mR18L, a single domain cationic amphipathic helical peptide, inhibits lesion formation in ApoE null mice. Journal of Lipid Research, 2010, 51, 3491-3499.	2.0	24
112	Depolarization, Bacterial Membrane Composition, and the Antimicrobial Action of Ceragenins. Antimicrobial Agents and Chemotherapy, 2010, 54, 3708-3713.	1.4	178
113	Cholesterol Interaction with Proteins That Partition into Membrane Domains: An Overview. Sub-Cellular Biochemistry, 2010, 51, 253-278.	1.0	58
114	The Role of Proline in the Membrane Re-entrant Helix of Caveolin-1. Journal of Biological Chemistry, 2010, 285, 33371-33380.	1.6	34
115	Comparison of the Effects of Cholesterol or 3Î²-Hydroxy-5-Oxo-5,6-Secocholestan-6-Al on the Thermotropic and Structural Properties of Mixtures of Phosphatidylethanolamine and Phosphatidylcholine. Biophysical Journal, 2010, 98, 489a.	0.2	0
116	Phosphatidic Acid Association with the Bovine Mitochondrial ADP/ATP Carrier. Biophysical Journal, 2010, 98, 506a.	0.2	0
117	OAK-based cochleates as a novel approach to overcome multidrug resistance in bacteria. FASEB Journal, 2010, 24, 5092-5101.	0.2	27
118	Peptide-Induced Domain Formation in Supported Lipid Bilayers: Direct Evidence by Combined Atomic Force and Polarized Total Internal Reflection Fluorescence Microscopy. Biophysical Journal, 2010, 98, 815-823.	0.2	62
119	Peptide-Induced Domain Formation in Supported Lipid Bilayers: Direct Evidence By Combined Atomic Force and Polarized Total Internal Reflection Fluorescence Microscopy. Biophysical Journal, 2010, 98, 86a.	0.2	0
120	Amphipathic Helical Cationic Antimicrobial Peptides Promote Rapid Formation of Crystalline States in the Presence of Phosphatidylglycerol: Lipid Clustering in Anionic Membranes. Biophysical Journal, 2010, 98, 2564-2573.	0.2	56
121	Molecular Species of Phosphatidylinositol-Cycle Intermediates in the Endoplasmic Reticulum and Plasma Membrane. Biochemistry, 2010, 49, 312-317.	1.2	24
122	Comparative Analysis of Membrane-Associated Fusion Peptide Secondary Structure and Lipid Mixing Function of HIV gp41 Constructs that Model the Early Pre-Hairpin Intermediate and Final Hairpin Conformations. Journal of Molecular Biology, 2010, 397, 301-315.	2.0	38
123	Lipid clustering by three homologous arginine-rich antimicrobial peptides is insensitive to amino acid arrangement and induced secondary structure. Biochimica Et Biophysica Acta - Biomembranes, 2010, 1798, 1272-1280.	1.4	62
124	Rigid amphipathic fusion inhibitors, small molecule antiviral compounds against enveloped viruses. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 17339-17344.	3.3	139
125	Probing the â€œCharge Cluster Mechanismâ€•in Amphipathic Helical Cationic Antimicrobial Peptides. Biochemistry, 2010, 49, 4076-4084.	1.2	141
126	Freeze-Fracture TEM on Domains in Lipid Mono- and Bilayer and Promoted by Antimicrobial Peptides as a New Generation of Antibiotics. Biophysical Journal, 2010, 98, 746a.	0.2	0

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127	Lipid Clustering by Three Homologous Arginine-Rich Antimicrobial Peptides is Insensitive to Amino Acid Arrangement. Biophysical Journal, 2010, 98, 218a.	0.2	0
128	Diacylglycerol Kinase Ïµ Is Selective for Both Acyl Chains of Phosphatidic Acid or Diacylglycerol. Journal of Biological Chemistry, 2009, 284, 31062-31073.	1.6	60
129	Lipid Segregation Explains Selective Toxicity of a Series of Fragments Derived from the Human Cathelicidin LL-37. Antimicrobial Agents and Chemotherapy, 2009, 53, 3705-3714.	1.4	81
130	Comparison of the interaction of methionine and norleucine-containing peptides with phospholipid bilayers. International Journal of Peptide and Protein Research, 2009, 30, 515-521.	0.1	7
131	The oxidized form of cholesterol 3Î²-hydroxy-5-oxo-5,6-secocholestan-6-al induces structural and thermotropic changes in phospholipid membranes. Chemistry and Physics of Lipids, 2009, 161, 95-102.	1.5	11
132	Design and Characterization of a Broad -Spectrum Bactericidal Acyl-lysyl Oligomer. Chemistry and Biology, 2009, 16, 1250-1258.	6.2	26
133	Association of Phosphatidic Acid with the Bovine Mitochondrial ADP/ATP Carrier. Biochemistry, 2009, 48, 12358-12364.	1.2	8
134	Conformational Stability and Membrane Interaction of the Full-Length Ectodomain of HIV-1 gp41: Implication for Mode of Action. Biochemistry, 2009, 48, 3166-3175.	1.2	37
135	Interaction of NDPK-D with cardiolipin-containing membranes: Structural basis and implications for mitochondrial physiology. Biochimie, 2009, 91, 779-783.	1.3	38
136	Mammalian diacylglycerol kinases: Molecular interactions and biological functions of selected isoforms. Biochimica Et Biophysica Acta - General Subjects, 2009, 1790, 416-424.	1.1	146
137	Lipid domains in bacterial membranes and the action of antimicrobial agents. Biochimica Et Biophysica Acta - Biomembranes, 2009, 1788, 289-294.	1.4	478
138	Mitochondrial kinases and their molecular interaction with cardiolipin. Biochimica Et Biophysica Acta - Biomembranes, 2009, 1788, 2032-2047.	1.4	82
139	Anti-inflammatory peptides grab on to the whiskers of atherogenic oxidized lipids. Biochimica Et Biophysica Acta - Biomembranes, 2009, 1788, 1967-1975.	1.4	27
140	Cell-Wall Interactions and the Selective Bacteriostatic Activity of a Miniature Oligo-Acyl-Lysyl. Biophysical Journal, 2009, 97, 2250-2257.	0.2	44
141	Domains in bacterial membranes and the action of antimicrobial agents. Molecular BioSystems, 2009, 5, 580.	2.9	151
142	Investigating the anionic phospholipid regulation of diacylglycerol kinase epsilon. FASEB Journal, 2009, 23, 520.9.	0.2	0
143	Ligand-modulation of the stability of the glucose transporter GLUT 1. Protein Science, 2008, 10, 1363-1369.	3.1	8
144	Membrane activity of an amphiphilic Î±-Helical membrane-proximal cytoplasmic domain of the MoMuLV envelope glycoprotein. Experimental and Molecular Pathology, 2008, 84, 9-17.	0.9	7

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145	Tocopherols and tocotrienols in membranes: A critical review. Free Radical Biology and Medicine, 2008, 44, 739-764.	1.3	248
146	Bacterial Membranes as Predictors of Antimicrobial Potency. Journal of the American Chemical Society, 2008, 130, 14346-14352.	6.6	157
147	Role of Phospholipid Scramblase 3 in the Regulation of Tumor Necrosis Factor-Î±-Induced Apoptosis. Biochemistry, 2008, 47, 4518-4529.	1.2	49
148	Interaction of 7-Ketocholesterol with Two Major Components of the Inner Leaflet of the Plasma Membrane: Phosphatidylethanolamine and Phosphatidylserine. Biochemistry, 2008, 47, 3004-3012.	1.2	14
149	Cationic peptide-induced remodelling of model membranes: Direct visualization by in situ atomic force microscopy. Journal of Structural Biology, 2008, 162, 121-138.	1.3	76
150	Dual Mechanism of Bacterial Lethality for a Cationic Sequence-Random Copolymer that Mimics Host-Defense Antimicrobial Peptides. Journal of Molecular Biology, 2008, 379, 38-50.	2.0	158
151	Determination of the Topology of the Hydrophobic Segment of Mammalian Diacylglycerol Kinase Epsilon in a Cell Membrane and Its Relationship to Predictions from Modeling. Journal of Molecular Biology, 2008, 383, 797-809.	2.0	33
152	Cationic amphiphiles and the solubilization of cholesterol crystallites in membrane bilayers. Biochimica Et Biophysica Acta - Biomembranes, 2008, 1778, 844-853.	1.4	13
153	CRAC motif peptide of the HIV-1 gp41 protein thins SOPC membranes and interacts with cholesterol. Biochimica Et Biophysica Acta - Biomembranes, 2008, 1778, 1120-1130.	1.4	48
154	Proteins and cholesterol-rich domains. Biochimica Et Biophysica Acta - Biomembranes, 2008, 1778, 1576-1582.	1.4	148
155	Dramatic Differences in the Roles in Lipid Metabolism of Two Isoforms of Diacylglycerol Kinase. Biochemistry, 2008, 47, 9372-9379.	1.2	55
156	Hydrophobic Substitutions in the First Residue of the CRAC Segment of the gp41 Protein of HIV. Biochemistry, 2008, 47, 124-130.	1.2	44
157	Ceragenins: Cholic Acid-Based Mimics of Antimicrobial Peptides. Accounts of Chemical Research, 2008, 41, 1233-1240.	7.6	182
158	Large Changes in the CRAC Segment of gp41 of HIV Do Not Destroy Fusion Activity if the Segment Interacts with Cholesterol. Biochemistry, 2008, 47, 11869-11876.	1.2	27
159	Lipopolysaccharide, a Key Molecule Involved in the Synergism between Temporins in Inhibiting Bacterial Growth and in Endotoxin Neutralization. Journal of Biological Chemistry, 2008, 283, 22907-22917.	1.6	91
160	Ceramide Is Responsible for the Failure of Compensatory Nerve Sprouting in Apolipoprotein E Knock-Out Mice. Journal of Neuroscience, 2008, 28, 7891-7899.	1.7	15
161	Ceragenins (Cationic Steroid Compounds), a Novel Class of Antimicrobial Agents. Drug News and Perspectives, 2008, 21, 307.	1.9	51
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