

# Wonhwa Cho

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

146 papers	8,601 citations	56 h-index	88 g-index
147 ext. papers	9,383 ext. citations	6.5 avg, IF	5.86 L-index

#	Paper	IF	Citations
146	Development of a novel spatiotemporal depletion system for cellular cholesterol.. <i>Journal of Lipid Research</i> , <b>2022</b> , 100178	6.3	
145	An In Situ Fluorescence Assay for Cholesterol Transporter Activity of the Patched. <i>Methods in Molecular Biology</i> , <b>2022</b> , 2374, 37-47	1.4	1
144	Phosphoinositide-binding activity of Smad2 is essential for its function in TGF- $\beta$ -signaling. <i>Journal of Biological Chemistry</i> , <b>2021</b> , 297, 101303	5.4	2
143	Our evolving understanding of how 27-hydroxycholesterol influences cancer. <i>Biochemical Pharmacology</i> , <b>2021</b> , 114621	6	3
142	The impact of TiO nanoparticle exposure on transmembrane cholesterol transport and enhanced bacterial infectivity in HeLa cells. <i>Acta Biomaterialia</i> , <b>2021</b> , 135, 606-616	10.8	0
141	Evaluation of the available cholesterol concentration in the inner leaflet of the plasma membrane of mammalian cells. <i>Journal of Lipid Research</i> , <b>2021</b> , 62, 100084	6.3	10
140	Hedgehog pathway activation through nanobody-mediated conformational blockade of the Patched sterol conduit. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 28838-28846	11.5	11
139	Photostable and Orthogonal Solvatochromic Fluorophores for Simultaneous Quantification of Multiple Cellular Signaling Molecules. <i>ACS Chemical Biology</i> , <b>2020</b> , 15, 1913-1920	4.9	3
138	A direct fluorometric activity assay for lipid kinases and phosphatases. <i>Journal of Lipid Research</i> , <b>2020</b> , 61, 945-952	6.3	0
137	ORP2, a cholesterol transporter, regulates angiogenic signaling in endothelial cells. <i>FASEB Journal</i> , <b>2020</b> , 34, 14671-14694	0.9	5
136	ArhGAP12 plays dual roles in Stabilin-2 mediated efferocytosis: Regulates Rac1 basal activity and spatiotemporally turns off the Rac1 to orchestrate phagosome maturation. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , <b>2019</b> , 1866, 1595-1607	4.9	3
135	Cellular phosphatase activity of C1-Ten/Tensin2 is controlled by Phosphatidylinositol-3,4,5-triphosphate binding through the C1-Ten/Tensin2 SH2 domain. <i>Cellular Signalling</i> , <b>2018</b> , 51, 130-138	4.9	4
134	Structural Basis for Cholesterol Transport-like Activity of the Hedgehog Receptor Patched. <i>Cell</i> , <b>2018</b> , 175, 1352-1364.e14	56.2	118
133	Quantitative Lipid Imaging Reveals a New Signaling Function of Phosphatidylinositol-3,4-Bisphosphate: Isoform- and Site-Specific Activation of Akt. <i>Molecular Cell</i> , <b>2018</b> , 71, 1092-1104.e5	17.6	54
132	SH3 Domain-Containing Protein 2 Plays a Crucial Role at the Step of Membrane Tubulation during Cell Plate Formation. <i>Plant Cell</i> , <b>2017</b> , 29, 1388-1405	11.6	30
131	Orthogonal lipid sensors identify transbilayer asymmetry of plasma membrane cholesterol. <i>Nature Chemical Biology</i> , <b>2017</b> , 13, 268-274	11.7	123
130	E-catenin homodimers are recruited to phosphoinositide-activated membranes to promote adhesion. <i>Journal of Cell Biology</i> , <b>2017</b> , 216, 3767-3783	7.3	16

129	Lipids Regulate Lck Protein Activity through Their Interactions with the Lck Src Homology 2 Domain. <i>Journal of Biological Chemistry</i> , <b>2016</b> , 291, 17639-50	5.4	20
128	Modeling Smith-Lemli-Opitz syndrome with induced pluripotent stem cells reveals a causal role for Wnt/ $\beta$ -catenin defects in neuronal cholesterol synthesis phenotypes. <i>Nature Medicine</i> , <b>2016</b> , 22, 388-96	50.5	35
127	SH2 Domains Serve as Lipid-Binding Modules for pTyr-Signaling Proteins. <i>Molecular Cell</i> , <b>2016</b> , 62, 7-20	17.6	46
126	High-Throughput Fluorometric Assay for Membrane-Protein Interaction. <i>Methods in Molecular Biology</i> , <b>2016</b> , 1376, 163-74	1.4	3
125	Raft-based interactions of gangliosides with a GPI-anchored receptor. <i>Nature Chemical Biology</i> , <b>2016</b> , 12, 402-10	11.7	125
124	Autophagy and endosomal trafficking inhibition by <i>Vibrio cholerae</i> MARTX toxin phosphatidylinositol-3-phosphate-specific phospholipase A1 activity. <i>Nature Communications</i> , <b>2015</b> , 6, 8745	17.4	33
123	A novel phosphatidylinositol 4,5-bisphosphate binding domain mediates plasma membrane localization of ExoU and other patatin-like phospholipases. <i>Journal of Biological Chemistry</i> , <b>2015</b> , 290, 2919-37	5.4	25
122	Role of PDZ4 Domain of PDZK1 in the Regulation of Cholesterol Metabolism via the Hepatic HDL Receptor SR-BI. <i>FASEB Journal</i> , <b>2015</b> , 29, 610.3	0.9	
121	Sorting nexin 21 is a novel membrane-binding endonuclease. <i>FASEB Journal</i> , <b>2015</b> , 29, LB175	0.9	
120	Cholesterol selectively activates canonical Wnt signalling over non-canonical Wnt signalling. <i>Nature Communications</i> , <b>2014</b> , 5, 4393	17.4	64
119	An ankyrin repeat domain of AKR2 drives chloroplast targeting through coincident binding of two chloroplast lipids. <i>Developmental Cell</i> , <b>2014</b> , 30, 598-609	10.2	37
118	Simultaneous In Situ Quantification of Two Cellular Lipid Pools Using Orthogonal Fluorescent Sensors. <i>Angewandte Chemie</i> , <b>2014</b> , 126, 14615-14619	3.6	1
117	Simultaneous in situ quantification of two cellular lipid pools using orthogonal fluorescent sensors. <i>Angewandte Chemie - International Edition</i> , <b>2014</b> , 53, 14387-91	16.4	30
116	High-throughput fluorescence assay for membrane-protein interaction. <i>Journal of Lipid Research</i> , <b>2013</b> , 54, 3531-8	6.3	12
115	MeTaDoR: Online Resource and Prediction Server for Membrane Targeting Peripheral Proteins <b>2013</b> , 481-494		1
114	Cholesterol modulates cell signaling and protein networking by specifically interacting with PDZ domain-containing scaffold proteins. <i>Nature Communications</i> , <b>2012</b> , 3, 1249	17.4	99
113	Genome-wide functional annotation of dual-specificity protein- and lipid-binding modules that regulate protein interactions. <i>Molecular Cell</i> , <b>2012</b> , 46, 226-37	17.6	55
112	Microarray analysis of Akt PH domain binding employing synthetic biotinylated analogs of all seven phosphoinositide headgroup isomers. <i>Chemistry and Physics of Lipids</i> , <b>2012</b> , 165, 207-15	3.7	10

111	Phosphoinositides differentially regulate protrudin localization through the FYVE domain. <i>Journal of Biological Chemistry</i> , <b>2012</b> , 287, 41268-76	5.4	28
110	An A/ENTH domain-containing protein functions as an adaptor for clathrin-coated vesicles on the growing cell plate in Arabidopsis root cells. <i>Plant Physiology</i> , <b>2012</b> , 159, 1013-25	6.6	44
109	Phosphatidylinositol 4,5-bisphosphate (PtdIns(4,5)P <sub>2</sub> ) specifically induces membrane penetration and deformation by Bin/amphiphysin/Rvs (BAR) domains. <i>Journal of Biological Chemistry</i> , <b>2012</b> , 287, 34078-90	5.4	39
108	Protein kinase C $\alpha$ 2 domain is a phosphotyrosine binding module that plays a key role in its activation. <i>Journal of Biological Chemistry</i> , <b>2012</b> , 287, 30518-28	5.4	25
107	In situ quantitative imaging of cellular lipids using molecular sensors. <i>Nature Chemistry</i> , <b>2011</b> , 3, 868-74	17.6	62
106	Phosphatidylinositol 3,4,5-trisphosphate activity probes for the labeling and proteomic characterization of protein binding partners. <i>Biochemistry</i> , <b>2011</b> , 50, 11143-61	3.2	39
105	Pb <sup>2+</sup> as modulator of protein-membrane interactions. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 10599-611	16.4	37
104	Configuration of membrane-bound proteins by x-ray reflectivity. <i>Journal of Applied Physics</i> , <b>2011</b> , 110, 102215	2.5	4
103	Phosphatidylserine binding is essential for plasma membrane recruitment and signaling function of 3-phosphoinositide-dependent kinase-1. <i>Journal of Biological Chemistry</i> , <b>2011</b> , 286, 41265-41272	5.4	35
102	Genome-wide structural analysis reveals novel membrane binding properties of AP180 N-terminal homology (ANTH) domains. <i>Journal of Biological Chemistry</i> , <b>2011</b> , 286, 34155-63	5.4	17
101	Molecular basis of the potent membrane-remodeling activity of the epsin 1 N-terminal homology domain. <i>Journal of Biological Chemistry</i> , <b>2010</b> , 285, 531-40	5.4	51
100	Curvature sensing by the epsin N-terminal homology domain measured on cylindrical lipid membrane tethers. <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 1200-1	16.4	67
99	Phosphatidylserine binding is important for plasma membrane targeting of 3?-phosphoinositide-dependent kinase-1 pleckstrin homology domain. <i>FASEB Journal</i> , <b>2010</b> , 24, 690.5	0.9	
98	The PDZ2 domain of zonula occludens-1 and -2 is a phosphoinositide binding domain. <i>Cellular and Molecular Life Sciences</i> , <b>2009</b> , 66, 3951-66	10.3	40
97	Microplate-based characterization of protein-phosphoinositide binding interactions using a synthetic biotinylated headgroup analogue. <i>Bioconjugate Chemistry</i> , <b>2009</b> , 20, 310-6	6.3	19
96	Configuration of PKC $\alpha$ -C2 domain bound to mixed SOPC/SOPS lipid monolayers. <i>Biophysical Journal</i> , <b>2009</b> , 97, 2794-802	2.9	25
95	Mechanism of regulation of group IVA phospholipase A2 activity by Ser727 phosphorylation. <i>Journal of Biological Chemistry</i> , <b>2008</b> , 283, 3960-71	5.4	37
94	Differential roles of phosphatidylserine, PtdIns(4,5)P <sub>2</sub> , and PtdIns(3,4,5)P <sub>3</sub> in plasma membrane targeting of C2 domains. Molecular dynamics simulation, membrane binding, and cell translocation studies of the PKC $\alpha$ C2 domain. <i>Journal of Biological Chemistry</i> , <b>2008</b> , 283, 26047-58	5.4	73

93	Unexpected complexity in the mechanisms that target assembly of the spectrin cytoskeleton. <i>Journal of Biological Chemistry</i> , <b>2008</b> , 283, 12643-53	5-4	25
92	The structural basis of novel endosome anchoring activity of KIF16B kinesin. <i>EMBO Journal</i> , <b>2007</b> , 26, 3709-19	13	27
91	Mechanism of diacylglycerol-induced membrane targeting and activation of protein kinase Ctheta. <i>Journal of Biological Chemistry</i> , <b>2007</b> , 282, 21467-76	5-4	57
90	Ceramide-1-phosphate binds group IVA cytosolic phospholipase a2 via a novel site in the C2 domain. <i>Journal of Biological Chemistry</i> , <b>2007</b> , 282, 20467-74	5-4	91
89	MeTaDoR: a comprehensive resource for membrane targeting domains and their host proteins. <i>Bioinformatics</i> , <b>2007</b> , 23, 3110-2	7-2	20
88	Deletion of secretory group V phospholipase A2 attenuates cell migration and airway hyperresponsiveness in immunosensitized mice. <i>Journal of Immunology</i> , <b>2007</b> , 179, 4800-7	5-3	61
87	Real-time cell assays of phospholipase A(2)s using fluorogenic phospholipids. <i>Methods in Enzymology</i> , <b>2007</b> , 434, 15-27	1-7	6
86	Ceramide kinase uses ceramide provided by ceramide transport protein: localization to organelles of eicosanoid synthesis. <i>Journal of Lipid Research</i> , <b>2007</b> , 48, 1293-304	6-3	74
85	Structural and membrane binding analysis of the Phox homology domain of Bem1p: basis of phosphatidylinositol 4-phosphate specificity. <i>Journal of Biological Chemistry</i> , <b>2007</b> , 282, 25737-47	5-4	48
84	Mechanistic basis of differential cellular responses of phosphatidylinositol 3,4-bisphosphate- and phosphatidylinositol 3,4,5-trisphosphate-binding pleckstrin homology domains. <i>Journal of Biological Chemistry</i> , <b>2007</b> , 282, 32093-105	5-4	109
83	pH-dependent binding of the Epsin ENTH domain and the AP180 ANTH domain to PI(4,5)P2-containing bilayers. <i>Journal of Molecular Biology</i> , <b>2007</b> , 373, 412-23	6-5	38
82	Azurin, Plasmodium falciparum malaria and HIV/AIDS: inhibition of parasitic and viral growth by Azurin. <i>Cell Cycle</i> , <b>2006</b> , 5, 1642-8	4-7	34
81	Unique membrane interaction mode of group IIF phospholipase A2. <i>Journal of Biological Chemistry</i> , <b>2006</b> , 281, 32741-54	5-4	19
80	Building signaling complexes at the membrane. <i>Science Signaling</i> , <b>2006</b> , 2006, pe7	8-8	37
79	Transcellular secretion of group V phospholipase A2 from epithelium induces beta 2-integrin-mediated adhesion and synthesis of leukotriene C4 in eosinophils. <i>Journal of Immunology</i> , <b>2006</b> , 177, 574-82	5-3	25
78	Molecular mechanism of membrane docking by the Vam7p PX domain. <i>Journal of Biological Chemistry</i> , <b>2006</b> , 281, 37091-101	5-4	39
77	Structural and membrane binding analysis of the Phox homology domain of phosphoinositide 3-kinase-C2alpha. <i>Journal of Biological Chemistry</i> , <b>2006</b> , 281, 39396-406	5-4	58
76	Systematic evaluation of transcellular activities of secretory phospholipases A2. High activity of group V phospholipases A2 to induce eicosanoid biosynthesis in neighboring inflammatory cells. <i>Journal of Biological Chemistry</i> , <b>2006</b> , 281, 10935-44	5-4	49

75	Seeing is believing: real-time cellular activity assay for phospholipase A2. <i>ACS Chemical Biology</i> , <b>2006</b> , 1, 65-6	4.9	5
74	Membrane binding and subcellular targeting of C2 domains. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , <b>2006</b> , 1761, 838-49	5	207
73	Structural bioinformatics prediction of membrane-binding proteins. <i>Journal of Molecular Biology</i> , <b>2006</b> , 359, 486-95	6.5	51
72	In vitro and Cellular Membrane-binding Mechanisms of Membrane-targeting Domains <b>2006</b> , 367-401		
71	X-ray reflectivity studies of cPLA2{alpha}-C2 domains adsorbed onto Langmuir monolayers of SOPC. <i>Biophysical Journal</i> , <b>2005</b> , 89, 1861-73	2.9	50
70	Membrane-protein interactions in cell signaling and membrane trafficking. <i>Annual Review of Biophysics and Biomolecular Structure</i> , <b>2005</b> , 34, 119-51		469
69	Tumor necrosis factor induces the loss of sphingosine kinase-1 by a cathepsin B-dependent mechanism. <i>Journal of Biological Chemistry</i> , <b>2005</b> , 280, 17196-202	5.4	71
68	The origin of C1A-C2 interdomain interactions in protein kinase Calpha. <i>Journal of Biological Chemistry</i> , <b>2005</b> , 280, 36452-63	5.4	45
67	Phosphoinositide specificity of and mechanism of lipid domain formation by annexin A2-p11 heterotetramer. <i>Journal of Biological Chemistry</i> , <b>2005</b> , 280, 42831-40	5.4	81
66	Diacylglycerol-induced membrane targeting and activation of protein kinase Cepsilon: mechanistic differences between protein kinases Cdelta and Cepsilon. <i>Journal of Biological Chemistry</i> , <b>2005</b> , 280, 19784-93	5.4	90
65	Ceramide 1-phosphate acts as a positive allosteric activator of group IVA cytosolic phospholipase A2 alpha and enhances the interaction of the enzyme with phosphatidylcholine. <i>Journal of Biological Chemistry</i> , <b>2005</b> , 280, 17601-7	5.4	93
64	The mechanism of membrane targeting of human sphingosine kinase 1. <i>Journal of Biological Chemistry</i> , <b>2005</b> , 280, 43030-8	5.4	115
63	Mechanism of diacylglycerol-induced membrane targeting and activation of protein kinase Cdelta. <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 29501-12	5.4	110
62	The molecular basis of the differential subcellular localization of FYVE domains. <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 53818-27	5.4	50
61	Mechanism of membrane binding of the phospholipase D1 PX domain. <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 54918-26	5.4	78
60	The molecular basis of differential subcellular localization of C2 domains of protein kinase C-alpha and group IVa cytosolic phospholipase A2. <i>Journal of Biological Chemistry</i> , <b>2003</b> , 278, 12452-60	5.4	109
59	Contrasting membrane interaction mechanisms of AP180 N-terminal homology (ANTH) and epsin N-terminal homology (ENTH) domains. <i>Journal of Biological Chemistry</i> , <b>2003</b> , 278, 28993-9	5.4	142
58	Membrane-binding and activation mechanism of PTEN. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2003</b> , 100, 7491-6	11.5	276



57	Mechanism of group IVA cytosolic phospholipase A(2) activation by phosphorylation. <i>Journal of Biological Chemistry</i> , <b>2003</b> , 278, 41431-42	5.4	72
56	Bacterial expression and purification of C1 and C2 domains of protein kinase C isoforms. <i>Methods in Molecular Biology</i> , <b>2003</b> , 233, 291-8	1.4	7
55	Development of a biochemistry laboratory course with a project-oriented goal. <i>Biochemistry and Molecular Biology Education</i> , <b>2003</b> , 31, 106-112	1.3	19
54	Investigating the interfacial binding of bacterial phosphatidylinositol-specific phospholipase C. <i>Biochemistry</i> , <b>2003</b> , 42, 9374-82	3.2	17
53	Computer modeling of the membrane interaction of FYVE domains. <i>Journal of Molecular Biology</i> , <b>2003</b> , 328, 721-36	6.5	57
52	Perinuclear localization of cytosolic phospholipase A(2)alpha is important but not obligatory for coupling with cyclooxygenases. <i>FEBS Letters</i> , <b>2003</b> , 546, 251-6	3.8	17
51	Human group V phospholipase A2 induces group IVA phospholipase A2-independent cysteinyl leukotriene synthesis in human eosinophils. <i>Journal of Biological Chemistry</i> , <b>2003</b> , 278, 38813-20	5.4	71
50	Activation mechanisms of conventional protein kinase C isoforms are determined by the ligand affinity and conformational flexibility of their C1 domains. <i>Journal of Biological Chemistry</i> , <b>2003</b> , 278, 46886-94	5.4	110
49	Membrane binding mechanisms of the PX domains of NADPH oxidase p40phox and p47phox. <i>Journal of Biological Chemistry</i> , <b>2003</b> , 278, 14469-79	5.4	115
48	Binding of the PX domain of p47(phox) to phosphatidylinositol 3,4-bisphosphate and phosphatidic acid is masked by an intramolecular interaction. <i>EMBO Journal</i> , <b>2002</b> , 21, 5057-68	13	268
47	Membrane targeting of C2 domains of phospholipase C-delta isoforms. <i>Journal of Biological Chemistry</i> , <b>2002</b> , 277, 3568-75	5.4	73
46	The antibacterial properties of secreted phospholipases A2: a major physiological role for the group IIA enzyme that depends on the very high pI of the enzyme to allow penetration of the bacterial cell wall. <i>Journal of Biological Chemistry</i> , <b>2002</b> , 277, 1788-93	5.4	95
45	Internalized group V secretory phospholipase A2 acts on the perinuclear membranes. <i>Journal of Biological Chemistry</i> , <b>2002</b> , 277, 9358-65	5.4	60
44	Phosphorylation-dependent regulation of phospholipase D2 by protein kinase C delta in rat Pheochromocytoma PC12 cells. <i>Journal of Biological Chemistry</i> , <b>2002</b> , 277, 8290-7	5.4	44
43	Phosphatidylinositol 3-phosphate induces the membrane penetration of the FYVE domains of Vps27p and Hrs. <i>Journal of Biological Chemistry</i> , <b>2002</b> , 277, 26379-88	5.4	130
42	Molecular basis of the specific subcellular localization of the C2-like domain of 5-lipoxygenase. <i>Journal of Biological Chemistry</i> , <b>2002</b> , 277, 13167-74	5.4	131
41	Roles of catalytic domain residues in interfacial binding and activation of group IV cytosolic phospholipase A2. <i>Journal of Biological Chemistry</i> , <b>2002</b> , 277, 23838-46	5.4	61
40	Group V phospholipase A2 induces leukotriene biosynthesis in human neutrophils through the activation of group IVA phospholipase A2. <i>Journal of Biological Chemistry</i> , <b>2002</b> , 277, 36479-88	5.4	82

39	Roles of calcium ions in the membrane binding of C2 domains. <i>Biochemical Journal</i> , <b>2001</b> , 359, 679-85	3.8	47
38	Roles of calcium ions in the membrane binding of C2 domains. <i>Biochemical Journal</i> , <b>2001</b> , 359, 679-685	3.8	52
37	Membrane binding assays for peripheral proteins. <i>Analytical Biochemistry</i> , <b>2001</b> , 296, 153-61	3.1	116
36	Blockade of eosinophil migration and airway hyperresponsiveness by cPLA2-inhibition. <i>Nature Immunology</i> , <b>2001</b> , 2, 145-9	19.1	51
35	Role of mitogen-activated protein kinase-mediated cytosolic phospholipase A2 activation in arachidonic acid metabolism in human eosinophils. <i>Journal of Immunology</i> , <b>2001</b> , 167, 461-8	5.3	48
34	Roles of ionic residues of the C1 domain in protein kinase C- $\alpha$ activation and the origin of phosphatidylserine specificity. <i>Journal of Biological Chemistry</i> , <b>2001</b> , 276, 4218-26	5.4	104
33	Mechanism of human group V phospholipase A2 (PLA2)-induced leukotriene biosynthesis in human neutrophils. A potential role of heparan sulfate binding in PLA2 internalization and degradation. <i>Journal of Biological Chemistry</i> , <b>2001</b> , 276, 11126-34	5.4	78
32	Membrane targeting by C1 and C2 domains. <i>Journal of Biological Chemistry</i> , <b>2001</b> , 276, 32407-10	5.4	178
31	Differential roles of ionic, aliphatic, and aromatic residues in membrane-protein interactions: a surface plasmon resonance study on phospholipases A2. <i>Biochemistry</i> , <b>2001</b> , 40, 4672-8	3.2	150
30	The molecular basis of phosphatidylcholine preference of human group-V phospholipase A2. <i>Biochemical Journal</i> , <b>2000</b> , 348, 643-647	3.8	16
29	Characterization of monoclonal antibodies specific for 14-kDa human group V secretory phospholipase A2 (hVPLA2). <i>Hybridoma</i> , <b>2000</b> , 19, 171-6		13
28	Structure, function, and regulation of group V phospholipase A(2). <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , <b>2000</b> , 1488, 48-58	5	54
27	Mechanism of annexin I-mediated membrane aggregation. <i>Biochemistry</i> , <b>2000</b> , 39, 13469-77	3.2	49
26	A structure-function study of the C2 domain of cytosolic phospholipase A2. Identification of essential calcium ligands and hydrophobic membrane binding residues. <i>Journal of Biological Chemistry</i> , <b>1999</b> , 274, 9665-72	5.4	113
25	Roles of Trp31 in high membrane binding and proinflammatory activity of human group V phospholipase A2. <i>Journal of Biological Chemistry</i> , <b>1999</b> , 274, 11881-8	5.4	145
24	Interplay of C1 and C2 domains of protein kinase C- $\alpha$ in its membrane binding and activation. <i>Journal of Biological Chemistry</i> , <b>1999</b> , 274, 19852-61	5.4	136
23	Comparative study of the cytolytic activity of myotoxic phospholipases A2 on mouse endothelial (tEnd) and skeletal muscle (C2C12) cells in vitro. <i>Toxicon</i> , <b>1999</b> , 37, 145-58	2.8	126
22	Structural determinant of the vesicle aggregation activity of annexin I. <i>Biochemistry</i> , <b>1999</b> , 38, 14094-100	3.2	37



21	Differential interfacial and substrate binding modes of mammalian pancreatic phospholipases A2: a comparison among human, bovine, and porcine enzymes. <i>Biochemistry</i> , <b>1999</b> , 38, 7803-10	3.2	34
20	A structural determinant of the unique interfacial binding mode of bovine pancreatic phospholipase A2. <i>Biochemistry</i> , <b>1999</b> , 38, 7811-8	3.2	11
19	Roles of aromatic residues in high interfacial activity of <i>Naja naja atra</i> phospholipase A2. <i>Biochemistry</i> , <b>1999</b> , 38, 16290-7	3.2	53
18	Potent HIV protease inhibitors incorporating high-affinity P2-ligands and (R)-(hydroxyethylamino)sulfonamide isostere. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>1998</b> , 8, 687-90	2.9	139
17	Roles of individual domains of annexin I in its vesicle binding and vesicle aggregation: a comprehensive mutagenesis study. <i>Biochemistry</i> , <b>1998</b> , 37, 10231-7	3.2	23
16	Differential membrane-binding and activation mechanisms of protein kinase C-alpha and -epsilon. <i>Biochemistry</i> , <b>1998</b> , 37, 4892-900	3.2	83
15	Action of human group IIa secreted phospholipase A2 on cell membranes. Vesicle but not heparinoid binding determines rate of fatty acid release by exogenously added enzyme. <i>Journal of Biological Chemistry</i> , <b>1998</b> , 273, 32142-53	5.4	81
14	Mutagenesis of the C2 domain of protein kinase C-alpha. Differential roles of Ca <sup>2+</sup> ligands and membrane binding residues. <i>Journal of Biological Chemistry</i> , <b>1998</b> , 273, 17544-52	5.4	102
13	Membrane penetration of cytosolic phospholipase A2 is necessary for its interfacial catalysis and arachidonate specificity. <i>Biochemistry</i> , <b>1998</b> , 37, 14128-36	3.2	45
12	Bacterial expression and characterization of human secretory class V phospholipase A2. <i>Biochemical Journal</i> , <b>1998</b> , 331 ( Pt 2), 353-7	3.8	55
11	High specificity of human secretory class II phospholipase A2 for phosphatidic acid. <i>Biochemical Journal</i> , <b>1997</b> , 321 ( Pt 3), 737-41	3.8	83
10	Mapping the interfacial binding surface of human secretory group IIa phospholipase A2. <i>Biochemistry</i> , <b>1997</b> , 36, 14325-33	3.2	108
9	Structural Aspects of Interfacial Adsorption. <i>Journal of Biological Chemistry</i> , <b>1997</b> , 272, 3573-3582	5.4	65
8	A phospholipase A2 kinetic and binding assay using phospholipid-coated hydrophobic beads. <i>Analytical Biochemistry</i> , <b>1997</b> , 250, 109-16	3.1	36
7	Roles of surface hydrophobic residues in the interfacial catalysis of bovine pancreatic phospholipase A2. <i>Biochemistry</i> , <b>1996</b> , 35, 4231-40	3.2	44
6	A structure-function study of bovine pancreatic phospholipase A2 using polymerized mixed liposomes. <i>Journal of Biological Chemistry</i> , <b>1995</b> , 270, 263-8	5.4	31
5	Inhibition of human secretory class II phospholipase A2 by heparin. <i>FEBS Journal</i> , <b>1994</b> , 221, 481-90		49
4	Use of polymerized mixed liposomes to study interactions of phospholipase A2 with membranes. <i>Biochemistry</i> , <b>1993</b> , 32, 13902-8	3.2	36

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| 3 | Chromogenic substrates and assay of phospholipases A2. <i>Methods in Enzymology</i> , <b>1991</b> , 197, 75-9   | 1.7  | 61 |
| 2 | A new class of phospholipase A2 substrates: kinetics of the phospholipase A2 catalyzed hydrolysis of 3-(acyloxy)-4-nitrobenzoic acids. <i>Journal of the American Chemical Society</i> , <b>1988</b> , 110, 5166-5171 | 16.4 | 39 |
| 1 | Hedgehog pathway activation through conformational blockade of the Patched sterol conduit   |      | 1  |