

# Wonhwa Cho

## List of Publications by Citations

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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	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
145	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
144	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
143	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
142	Membrane targeting by C1 and C2 domains. <i>Journal of Biological Chemistry</i> , <b>2001</b> , 276, 32407-10	5.4	178
141	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
140	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
139	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
138	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
137	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
136	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
135	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
134	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
133	Raft-based interactions of gangliosides with a GPI-anchored receptor. <i>Nature Chemical Biology</i> , <b>2016</b> , 12, 402-10	11.7	125
132	Orthogonal lipid sensors identify transbilayer asymmetry of plasma membrane cholesterol. <i>Nature Chemical Biology</i> , <b>2017</b> , 13, 268-274	11.7	123
131	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
130	Membrane binding assays for peripheral proteins. <i>Analytical Biochemistry</i> , <b>2001</b> , 296, 153-61	3.1	116

129	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
128	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
127	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
126	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
125	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
124	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
123	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
122	Mapping the interfacial binding surface of human secretory group IIA phospholipase A2. <i>Biochemistry</i> , <b>1997</b> , 36, 14325-33	3.2	108
121	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
120	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
119	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
118	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
117	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
116	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
115	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
114	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
113	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
112	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

111	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
110	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
109	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
108	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
107	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
106	Differential roles of phosphatidylserine, PtdIns(4,5)P2, and PtdIns(3,4,5)P3 in plasma membrane targeting of C2 domains. Molecular dynamics simulation, membrane binding, and cell translocation studies of the PKCalpha C2 domain. <i>Journal of Biological Chemistry</i> , <b>2008</b> , 283, 26047-58	5.4	73
105	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
104	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
103	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
102	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
101	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
100	Structural Aspects of Interfacial Adsorption. <i>Journal of Biological Chemistry</i> , <b>1997</b> , 272, 3573-3582	5.4	65
99	Cholesterol selectively activates canonical Wnt signalling over non-canonical Wnt signalling. <i>Nature Communications</i> , <b>2014</b> , 5, 4393	17.4	64
98	In situ quantitative imaging of cellular lipids using molecular sensors. <i>Nature Chemistry</i> , <b>2011</b> , 3, 868-74	17.6	62
97	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
96	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
95	Chromogenic substrates and assay of phospholipases A2. <i>Methods in Enzymology</i> , <b>1991</b> , 197, 75-9	1.7	61
94	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

93	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
92	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
91	Computer modeling of the membrane interaction of FYVE domains. <i>Journal of Molecular Biology</i> , <b>2003</b> , 328, 721-36	6.5	57
90	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
89	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
88	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
87	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
86	Roles of aromatic residues in high interfacial activity of Naja naja atra phospholipase A2. <i>Biochemistry</i> , <b>1999</b> , 38, 16290-7	3.2	53
85	Roles of calcium ions in the membrane binding of C2 domains. <i>Biochemical Journal</i> , <b>2001</b> , 359, 679-685	3.8	52
84	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
83	Structural bioinformatics prediction of membrane-binding proteins. <i>Journal of Molecular Biology</i> , <b>2006</b> , 359, 486-95	6.5	51
82	Blockade of eosinophil migration and airway hyperresponsiveness by cPLA2-inhibition. <i>Nature Immunology</i> , <b>2001</b> , 2, 145-9	19.1	51
81	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
80	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
79	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
78	Mechanism of annexin I-mediated membrane aggregation. <i>Biochemistry</i> , <b>2000</b> , 39, 13469-77	3.2	49
77	Inhibition of human secretory class II phospholipase A2 by heparin. <i>FEBS Journal</i> , <b>1994</b> , 221, 481-90		49
76	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

75	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
74	Roles of calcium ions in the membrane binding of C2 domains. <i>Biochemical Journal</i> , <b>2001</b> , 359, 679-85	3.8	47
73	SH2 Domains Serve as Lipid-Binding Modules for pTyr-Signaling Proteins. <i>Molecular Cell</i> , <b>2016</b> , 62, 7-20	17.6	46
72	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
71	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
70	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
69	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
68	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
67	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
66	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
65	Phosphatidylinositol 4,5-bisphosphate (PtdIns(4,5)P2) 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
64	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
63	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
62	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
61	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
60	Pb2+ as modulator of protein-membrane interactions. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 10599-611	16.4	37
59	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
58	Building signaling complexes at the membrane. <i>Science Signaling</i> , <b>2006</b> , 2006, pe7	8.8	37



57	Structural determinant of the vesicle aggregation activity of annexin I. <i>Biochemistry</i> , <b>1999</b> , 38, 14094-100.	2	37
56	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
55	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
54	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
53	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
52	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
51	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
50	Autophagy and endosomal trafficking inhibition by Vibrio cholerae MARTX toxin phosphatidylinositol-3-phosphate-specific phospholipase A1 activity. <i>Nature Communications</i> , <b>2015</b> , 6, 8745	17.4	33
49	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
48	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
47	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
46	Phosphoinositides differentially regulate protrudin localization through the FYVE domain. <i>Journal of Biological Chemistry</i> , <b>2012</b> , 287, 41268-76	5.4	28
45	The structural basis of novel endosome anchoring activity of KIF16B kinesin. <i>EMBO Journal</i> , <b>2007</b> , 26, 3709-19	13	27
44	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
43	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
42	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
41	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
40	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

39	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
38	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
37	MeTaDoR: a comprehensive resource for membrane targeting domains and their host proteins. <i>Bioinformatics</i> , <b>2007</b> , 23, 3110-2	7.2	20
36	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
35	Unique membrane interaction mode of group IIF phospholipase A2. <i>Journal of Biological Chemistry</i> , <b>2006</b> , 281, 32741-54	5.4	19
34	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
33	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
32	Investigating the interfacial binding of bacterial phosphatidylinositol-specific phospholipase C. <i>Biochemistry</i> , <b>2003</b> , 42, 9374-82	3.2	17
31	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
30	ECatenin 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
29	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
28	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
27	High-throughput fluorescence assay for membrane-protein interaction. <i>Journal of Lipid Research</i> , <b>2013</b> , 54, 3531-8	6.3	12
26	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
25	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
24	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
23	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
22	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



21	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
20	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
19	ORP2, a cholesterol transporter, regulates angiogenic signaling in endothelial cells. <i>FASEB Journal</i> , <b>2020</b> , 34, 14671-14694	0.9	5
18	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
17	Configuration of membrane-bound proteins by x-ray reflectivity. <i>Journal of Applied Physics</i> , <b>2011</b> , 110, 102215	2.5	4
16	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
15	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
14	High-Throughput Fluorometric Assay for Membrane-Protein Interaction. <i>Methods in Molecular Biology</i> , <b>2016</b> , 1376, 163-74	1.4	3
13	Our evolving understanding of how 27-hydroxycholesterol influences cancer. <i>Biochemical Pharmacology</i> , <b>2021</b> , 114621	6	3
12	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
11	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
10	MeTaDoR: Online Resource and Prediction Server for Membrane Targeting Peripheral Proteins <b>2013</b> , 481-494		1
9	Hedgehog pathway activation through conformational blockade of the Patched sterol conduit		1
8	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
7	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
6	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
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