Robert V Stahelin

List of Publications by Year in Descending Order

151 papers	6,217 citations	47 h-index	75 g-index
172 ext. papers	7,064 ext. citations	5.1 avg, IF	6.01 L-index

#	Paper	IF	Citations
151	A Phosphoinositide-Binding Protein Acts in the Trafficking Pathway of Hemoglobin in the Malaria Parasite Plasmodium falciparum.. *MBio*, **2022**, e0323921	7.8	1
150	Mechanisms of phosphatidylserine influence on viral production: a computational model of Ebola virus matrix protein assembly.. *Journal of Biological Chemistry*, **2022**, 102025	5.4	0
149	SARS-CoV-2 Viral Budding and Entry can be Modeled Using BSL-2 Level Virus-Like Particles. *FASEB Journal*, **2021**, 35,	0.9	78
148	Aging-dependent mitochondrial dysfunction mediated by ceramide signaling inhibits antitumor T cell response. *Cell Reports*, **2021**, 35, 109076	10.6	4
147	SARS-CoV-2 viral budding and entry can be modeled using BSL-2 level virus-like particles. *Journal of Biological Chemistry*, **2021**, 296, 100103	5.4	30
146	Lipid-specific oligomerization of the Marburg virus matrix protein VP40 is regulated by two distinct interfaces for virion assembly. *Journal of Biological Chemistry*, **2021**, 296, 100796	5.4	2
145	Cysteine Mutations in the Ebolavirus Matrix Protein VP40 Promote Phosphatidylserine Binding by Increasing the Flexibility of a Lipid-Binding Loop. *Viruses*, **2021**, 13,	6.2	1
144	Lipid-protein interactions in virus assembly and budding from the host cell plasma membrane. *Biochemical Society Transactions*, **2021**, 49, 1633-1641	5.1	2
143	Negative-sense RNA viruses: An underexplored platform for examining virus-host lipid interactions. *Molecular Biology of the Cell*, **2021**, 32, pe1	3.5	
142	Drp1 Tubulates the ER in a GTPase-Independent Manner. *Molecular Cell*, **2020**, 80, 621-632.e6	17.6	10
141	A pyrene-based two-photon excitable fluorescent probe to visualize nuclei in live cells. *Photochemical and Photobiological Sciences*, **2020**, 19, 1152-1159	4.2	7
140	A Conserved Tryptophan in the Ebola Virus Matrix Protein C-Terminal Domain Is Required for Efficient Virus-Like Particle Formation. *Pathogens*, **2020**, 9,	4.5	6
139	The CryoAPEX Method for Electron Microscopy Analysis of Membrane Protein Localization Within Ultrastructurally-Preserved Cells. *Journal of Visualized Experiments*, **2020**,	1.6	3
138	Molecular Analysis of Membrane Targeting by the C2 Domain of the E3 Ubiquitin Ligase Smurf1. *Biomolecules*, **2020**, 10,	5.9	9
137	Effects of Manganese Porphyrins on Cellular Sulfur Metabolism. *Molecules*, **2020**, 25,	4.8	8
136	Mutation of Hydrophobic Residues in the C-Terminal Domain of the Marburg Virus Matrix Protein VP40 Disrupts Trafficking to the Plasma Membrane. *Viruses*, **2020**, 12,	6.2	3
135	The Cytosolic Phospholipase A N-terminal C2 Domain Binds and Oligomerizes on Membranes with Positive Curvature. *Biomolecules*, **2020**, 10,	5.9	3

134	The first DEP domain of the RhoGEF P-Rex1 autoinhibits activity and contributes to membrane binding. *Journal of Biological Chemistry*, **2020**, 295, 12635-12647	5.4	4
133	Cryofixation of Inactivated Hantavirus-Infected Cells as a Method for Obtaining High-Quality Ultrastructural Preservation for Electron Microscopic Studies. *Frontiers in Cellular and Infection Microbiology*, **2020**, 10, 580339	5.9	1
132	Characterization of the Relationship between the Chaperone and Lipid-Binding Functions of the 70-kDa Heat-Shock Protein, HspA1A. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	2
131	Extended hypoxia-mediated H S production provides for long-term oxygen sensing. *Acta Physiologica*, **2020**, 228, e13368	5.6	8
130	The Plasmodium falciparum MESA erythrocyte cytoskeleton-binding (MEC) motif binds to erythrocyte ankyrin. *Molecular and Biochemical Parasitology*, **2019**, 231, 111189	1.9	3
129	Membrane Localization of HspA1A, a Stress Inducible 70-kDa Heat-Shock Protein, Depends on Its Interaction with Intracellular Phosphatidylserine. *Biomolecules*, **2019**, 9,	5.9	9
128	A pan-apicomplexan phosphoinositide-binding protein acts in malarial microneme exocytosis. *EMBO Reports*, **2019**, 20,	6.5	10
127	Red-emitting pyrene-benzothiazolium: unexpected selectivity to lysosomes for real-time cell imaging without alkalinizing effect. *Chemical Communications*, **2019**, 55, 3469-3472	5.8	21
126	Lysosome imaging in cancer cells by pyrene-benzothiazolium dyes: An alternative imaging approach for LAMP-1 expression based visualization methods to avoid background interference. *Bioorganic Chemistry*, **2019**, 91, 103144	5.1	6
125	Structural Effect on the Cellular Selectivity of an NIR-Emitting Cyanine Probe: From Lysosome to Simultaneous Nucleus and Mitochondria Selectivity with Potential for Monitoring Mitochondria Dysfunction in Cells.. *ACS Applied Bio Materials*, **2019**, 2, 5174-5181	4.1	11
124	Conformational Flexibility of the Protein-Protein Interfaces of the Ebola Virus VP40 Structural Matrix Filament. *Journal of Physical Chemistry B*, **2019**, 123, 9045-9053	3.4	3
123	Receptor-interacting Ser/Thr kinase 1 (RIPK1) and myosin IIA-dependent ceramidosomes form membrane pores that mediate blebbing and necroptosis. *Journal of Biological Chemistry*, **2019**, 294, 502-519	5.4	13
122	Bright red-emitting highly reliable styryl probe with large Stokes shift for visualizing mitochondria in live cells under wash-free conditions. *Sensors and Actuators B: Chemical*, **2019**, 285, 76-83	8.5	12
121	A cationic, C-terminal patch and structural rearrangements in Ebola virus matrix VP40 protein control its interactions with phosphatidylserine. *Journal of Biological Chemistry*, **2018**, 293, 3335-3349	5.4	20
120	The unmasking of the lipid binding face of sphingosine kinase 1. *Journal of Lipid Research*, **2018**, 59, 401-403	4.9	
119	Investigation of the phosphatidylserine binding properties of the lipid biosensor, Lactadherin C2 (LactC2), in different membrane environments. *Journal of Bioenergetics and Biomembranes*, **2018**, 50, 1-10	3.7	12
118	Remodeling of the malaria parasite and host human red cell by vesicle amplification that induces artemisinin resistance. *Blood*, **2018**, 131, 1234-1247	2.2	55
117	Repurposing Fendiline as a novel anti-viral therapeutic. *FASEB Journal*, **2018**, 32, 671.9	0.9	1

116	Non-Peptidic Cell-Penetrating Motifs for Mitochondrion-Specific Cargo Delivery. *Angewandte Chemie - International Edition*, **2018**, 57, 17183-17188	16.4	26
115	Pancreatic ductal adenocarcinoma cell secreted extracellular vesicles containing ceramide-1-phosphate promote pancreatic cancer stem cell motility. *Biochemical Pharmacology*, **2018**, 156, 458-466	6	16
114	Detection of lipid-induced structural changes of the Marburg virus matrix protein VP40 using hydrogen/deuterium exchange-mass spectrometry. *Journal of Biological Chemistry*, **2017**, 292, 6108-6122	5.4	22
113	Plasma membrane association facilitates conformational changes in the Marburg virus protein VP40 dimer. *RSC Advances*, **2017**, 7, 22741-22748	3.7	9
112	Bright red-emitting pyrene derivatives with a large Stokes shift for nucleus staining. *Chemical Communications*, **2017**, 53, 5886-5889	5.8	56
111	SH3 Domain-Containing Protein 2 Plays a Crucial Role at the Step of Membrane Tubulation during Cell Plate Formation. *Plant Cell*, **2017**, 29, 1388-1405	11.6	30
110	Graphene-VP40 interactions and potential disruption of the Ebola virus matrix filaments. *Biochemical and Biophysical Research Communications*, **2017**, 493, 176-181	3.4	14
109	Notes and tips for improving quality of lipid-protein overlay assays. *Analytical Biochemistry*, **2017**, 516, 9-12	3.1	11
108	The Ebola virus protein VP40 hexamer enhances the clustering of PI(4,5)P lipids in the plasma membrane. *Physical Chemistry Chemical Physics*, **2016**, 18, 28409-28417	3.6	34
107	Investigation of the biophysical properties of a fluorescently modified ceramide-1-phosphate. *Chemistry and Physics of Lipids*, **2016**, 200, 32-41	3.7	3
106	The Ebola Virus matrix protein, VP40, requires phosphatidylinositol 4,5-bisphosphate (PI(4,5)P2) for extensive oligomerization at the plasma membrane and viral egress. *Scientific Reports*, **2016**, 6, 19125	4.9	47
105	Crystal Structure of Marburg Virus VP40 Reveals a Broad, Basic Patch for Matrix Assembly and a Requirement of the N-Terminal Domain for Immunosuppression. *Journal of Virology*, **2016**, 90, 1839-48	6.6	27
104	Phospholipid Catabolism **2016**, 237-257		3
103	Using Surface Plasmon Resonance to Quantitatively Assess Lipid-Protein Interactions. *Methods in Molecular Biology*, **2016**, 1376, 141-53	1.4	18
102	Interdomain salt-bridges in the Ebola virus protein VP40 and their role in domain association and plasma membrane localization. *Protein Science*, **2016**, 25, 1648-58	6.3	16
101	Binding of the sphingolipid S1P to hTERT stabilizes telomerase at the nuclear periphery by allosterically mimicking protein phosphorylation. *Science Signaling*, **2015**, 8, ra58	8.8	84
100	Host Cell Plasma Membrane Phosphatidylserine Regulates the Assembly and Budding of Ebola Virus. *Journal of Virology*, **2015**, 89, 9440-53	6.6	59
99	A molecular mechanism of artemisinin resistance in Plasmodium falciparum malaria. *Nature*, **2015**, 520, 683-7	50.4	365

98	Investigation of the Lipid Binding Properties of the Marburg Virus Matrix Protein VP40. *Journal of Virology*, **2015**, 90, 3074-85	6.6	17
97	The Ebola Virus Matrix Protein VP40 Interacts With Several Host Protein Networks to Facilitate Viral Replication. *Current Clinical Microbiology Reports*, **2015**, 2, 137-141	3.1	
96	Time to Fold: Tom1 Uses New Tricks to Regulate Lipid Binding of Tollip. *Structure*, **2015**, 23, 1781-1782	5.2	2
95	Live-Cell Imaging of Ebola Virus Matrix Protein VP40. *FASEB Journal*, **2015**, 29, 886.4	0.9	0
94	Discovery of Ceramide 1-Phosphate Binding Proteins. *FASEB Journal*, **2015**, 29, 886.7	0.9	
93	Functional Studies of Ebola Virus Matrix Protein VP40. *FASEB Journal*, **2015**, 29, 886.3	0.9	
92	Could the Ebola virus matrix protein VP40 be a drug target?. *Expert Opinion on Therapeutic Targets*, **2014**, 18, 115-20	6.4	37
91	A loop region in the N-terminal domain of Ebola virus VP40 is important in viral assembly, budding, and egress. *Viruses*, **2014**, 6, 3837-54	6.2	25
90	Membrane binding and bending in Ebola VP40 assembly and egress. *Frontiers in Microbiology*, **2014**, 5, 300	5.7	39
89	The Ebola virus matrix protein VP40 selectively induces vesiculation from phosphatidylserine-enriched membranes. *Journal of Biological Chemistry*, **2014**, 289, 33590-7	5.4	42
88	Ready, set, go! How protein kinase C manages dynamic signaling. *Chemistry and Biology*, **2014**, 21, 433-434		1
87	Cellular and molecular interactions of phosphoinositides and peripheral proteins. *Chemistry and Physics of Lipids*, **2014**, 182, 3-18	3.7	79
86	A new model of interfacial kinetics for phospholipases. *Biophysical Journal*, **2013**, 105, 1-2	2.9	32
85	Eukaryotic virulence determinants utilize phosphoinositides at the ER and host cell surface. *Trends in Microbiology*, **2013**, 21, 145-56	12.4	11
84	Monitoring peripheral protein oligomerization on biological membranes. *Methods in Cell Biology*, **2013**, 117, 359-71	1.8	7
83	The Ebola virus matrix protein penetrates into the plasma membrane: a key step in viral protein 40 (VP40) oligomerization and viral egress. *Journal of Biological Chemistry*, **2013**, 288, 5779-89	5.4	57
82	Sphingosine analogue drug FTY720 targets I2PP2A/SET and mediates lung tumour suppression via activation of PP2A-RIPK1-dependent necroptosis. *EMBO Molecular Medicine*, **2013**, 5, 105-21	12	181
81	The molecular basis of ceramide-1-phosphate recognition by C2 domains. *Journal of Lipid Research*, **2013**, 54, 636-648	6.3	30

80	Surface plasmon resonance: a useful technique for cell biologists to characterize biomolecular interactions. *Molecular Biology of the Cell*, **2013**, 24, 883-6	3.5	52
79	The Ebola virus matrix protein deeply penetrates the plasma membrane: an important step in viral egress. *Biophysical Journal*, **2013**, 104, 1940-9	2.9	51
78	Ceramide 1-phosphate mediates endothelial cell invasion via the annexin a2-p11 heterotetrameric protein complex. *Journal of Biological Chemistry*, **2013**, 288, 19726-38	5.4	37
77	Lipid binding properties of Ebola virus matrix protein VP40. *FASEB Journal*, **2013**, 27, 1021.9	0.9	
76	Spatial and temporal regulation of the Nedd4 family ubiquitin ligases through phospholipid binding. *FASEB Journal*, **2013**, 27, 1021.8	0.9	
75	Investigating the Molecular Basis of cPLA2 Membrane Bending. *FASEB Journal*, **2013**, 27, 587.3	0.9	
74	Emerging methodologies to investigate lipid-protein interactions. *Integrative Biology (United Kingdom)*, **2012**, 4, 247-58	3.7	33
73	Host targeting of virulence determinants and phosphoinositides in blood stage malaria parasites. *Trends in Parasitology*, **2012**, 28, 555-62	6.4	16
72	Endoplasmic reticulum PI(3)P lipid binding targets malaria proteins to the host cell. *Cell*, **2012**, 148, 201-12	32.2	98
71	Single-particle tracking demonstrates that actin coordinates the movement of the Ebola virus matrix protein. *Biophysical Journal*, **2012**, 103, L41-3	2.9	36
70	Investigation of Ebola VP40 assembly and oligomerization in live cells using number and brightness analysis. *Biophysical Journal*, **2012**, 102, 2517-25	2.9	52
69	PI(3)P-independent and -dependent pathways function together in a vacuolar translocation sequence to target malarial proteins to the host erythrocyte. *Molecular and Biochemical Parasitology*, **2012**, 185, 106-13	1.9	16
68	Protein kinase C C2 domain is a phosphotyrosine binding module that plays a key role in its activation. *Journal of Biological Chemistry*, **2012**, 287, 30518-28	5.4	25
67	C2 domain membrane penetration by group IVA cytosolic phospholipase A induces membrane curvature changes. *Journal of Lipid Research*, **2012**, 53, 2656-66	6.3	16
66	The Characterization and Identification of Ceramide-1-Phosphate Binding Proteins. *FASEB Journal*, **2012**, 26, 991.3	0.9	
65	Biophysical and computational studies of membrane penetration by the GRP1 pleckstrin homology domain. *Structure*, **2011**, 19, 1338-46	5.2	50
64	Metabolically stabilized derivatives of phosphatidylinositol 4-phosphate: synthesis and applications. *Chemistry and Biology*, **2011**, 18, 1312-9		7
63	Molecular basis of phosphatidylinositol 4-phosphate and ARF1 GTPase recognition by the FAPP1 pleckstrin homology (PH) domain. *Journal of Biological Chemistry*, **2011**, 286, 18650-7	5.4	62

62	Ceramide kinase regulates the production of tumor necrosis factor (TNF) via inhibition of TNF converting enzyme. *Journal of Biological Chemistry*, **2011**, 286, 42808-17	5.4	49
61	Genome-wide structural analysis reveals novel membrane binding properties of AP180 N-terminal homology (ANTH) domains. *Journal of Biological Chemistry*, **2011**, 286, 34155-63	5.4	17
60	Elucidation of the cytosolic phospholipase A2- ceramide-1-phosphate binding site. *FASEB Journal*, **2011**, 25, 939.4	0.9	
59	The Molecular Basis of Ceramide-1-Phosphate Recognition by Peripheral Proteins. *FASEB Journal*, **2011**, 25, 939.11	0.9	
58	C2 Domains: Versatile Lipid Binding Modules. *FASEB Journal*, **2011**, 25, 939.10	0.9	
57	Amot recognizes a juxtanuclear endocytic recycling compartment via a novel lipid binding domain. *Journal of Biological Chemistry*, **2010**, 285, 12308-20	5.4	42
56	p47phox Phox homology domain regulates plasma membrane but not phagosome neutrophil NADPH oxidase activation. *Journal of Biological Chemistry*, **2010**, 285, 35169-79	5.4	33
55	Investigation of Lipid-Based Assembly of Viral Particles. *FASEB Journal*, **2010**, 24, 475.6	0.9	
54	Undergraduate Laboratory: Increasing Awareness of the Role of Lipids in Biochemistry. *FASEB Journal*, **2010**, 24, 532.4	0.9	
53	Team Based Learning Activities in the Academic Research Laboratory. *FASEB Journal*, **2010**, 24, 531.5	0.9	
52	Investigation of the Mechanism of Hydrogen Sulfide Activation of Protein Kinase C. *FASEB Journal*, **2010**, 24, 690.1	0.9	
51	Diabetes Mellitus: Clinical and Biochemical Perspectives. *FASEB Journal*, **2010**, 24, 659.10	0.9	
50	Interdisciplinary Studies of the Multifaceted C2 Domains. *FASEB Journal*, **2010**, 24, 478.5	0.9	
49	Molecular Architecture of Viral Assembly and Bud Site Formation. *FASEB Journal*, **2010**, 24, 478.6	0.9	
48	Ceramide 1-phosphate is required for the translocation of group IVA cytosolic phospholipase A2 and prostaglandin synthesis. *Journal of Biological Chemistry*, **2009**, 284, 26897-907	5.4	78
47	Lipid binding domains: more than simple lipid effectors. *Journal of Lipid Research*, **2009**, 50 Suppl, S299-304	3.9	91
46	Membrane insertion of the FYVE domain is modulated by pH. *Proteins: Structure, Function and Bioinformatics*, **2009**, 76, 852-60	4.2	45
45	Modular synthesis of biologically active phosphatidic acid probes using click chemistry. *Molecular BioSystems*, **2009**, 5, 962-72		21

44	Investigation of HIV-1 Protein-Lipid Interactions During Assembly at the Plasma Membrane. *FASEB Journal*, **2009**, 23, 873.4	0.9	
43	Synthesis and convenient functionalization of azide-labeled diacylglycerol analogues for modular access to biologically active lipid probes. *Bioconjugate Chemistry*, **2008**, 19, 1855-63	6.3	30
42	Molecular mechanism of membrane targeting by the GRP1 PH domain. *Journal of Lipid Research*, **2008**, 49, 1807-15	6.3	42
41	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. *Journal of Biological Chemistry*, **2008**, 283, 26047-58	5.4	73
40	Cellular membranes and lipid-binding domains as attractive targets for drug development. *Current Drug Targets*, **2008**, 9, 603-13	3	25
39	Noncovalent keystone interactions controlling biomembrane structure. *Chemistry - A European Journal*, **2008**, 14, 1690-7	4.8	17
38	Mechanism of diacylglycerol-induced membrane targeting and activation of protein kinase Ctheta. *Journal of Biological Chemistry*, **2007**, 282, 21467-76	5.4	57
37	Ceramide-1-phosphate binds group IVA cytosolic phospholipase a2 via a novel site in the C2 domain. *Journal of Biological Chemistry*, **2007**, 282, 20467-74	5.4	91
36	MeTaDoR: a comprehensive resource for membrane targeting domains and their host proteins. *Bioinformatics*, **2007**, 23, 3110-2	7.2	20
35	Ceramide kinase uses ceramide provided by ceramide transport protein: localization to organelles of eicosanoid synthesis. *Journal of Lipid Research*, **2007**, 48, 1293-304	6.3	74
34	Structural and membrane binding analysis of the Phox homology domain of Bem1p: basis of phosphatidylinositol 4-phosphate specificity. *Journal of Biological Chemistry*, **2007**, 282, 25737-47	5.4	48
33	pH-dependent binding of the Epsin ENTH domain and the AP180 ANTH domain to PI(4,5)P2-containing bilayers. *Journal of Molecular Biology*, **2007**, 373, 412-23	6.5	38
32	Anionic lipids activate group IVA cytosolic phospholipase A2 via distinct and separate mechanisms. *Journal of Lipid Research*, **2007**, 48, 2701-8	6.3	39
31	Molecular mechanism of membrane docking by the Vam7p PX domain. *Journal of Biological Chemistry*, **2006**, 281, 37091-101	5.4	39
30	Structural and membrane binding analysis of the Phox homology domain of phosphoinositide 3-kinase-C2alpha. *Journal of Biological Chemistry*, **2006**, 281, 39396-406	5.4	58
29	Selection of DNA ligands for protein kinase C-delta. *Chemical Communications*, **2006**, 3229-31	5.8	65
28	Orientation and penetration depth of monolayer-bound p40phox-PX. *Biochemistry*, **2006**, 45, 13566-75	3.2	24
27	Membrane binding and subcellular targeting of C2 domains. *Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids*, **2006**, 1761, 838-49	5	207

26	Structural bioinformatics prediction of membrane-binding proteins. *Journal of Molecular Biology*, **2006**, 359, 486-95	6.5	51
25	In vitro and Cellular Membrane-binding Mechanisms of Membrane-targeting Domains **2006**, 367-401		
24	X-ray reflectivity studies of cPLA2{alpha}-C2 domains adsorbed onto Langmuir monolayers of SOPC. *Biophysical Journal*, **2005**, 89, 1861-73	2.9	50
23	Membrane-protein interactions in cell signaling and membrane trafficking. *Annual Review of Biophysics and Biomolecular Structure*, **2005**, 34, 119-51		469
22	The origin of C1A-C2 interdomain interactions in protein kinase Calpha. *Journal of Biological Chemistry*, **2005**, 280, 36452-63	5.4	45
21	Diacylglycerol-induced membrane targeting and activation of protein kinase Cepsilon: mechanistic differences between protein kinases Cdelta and Cepsilon. *Journal of Biological Chemistry*, **2005**, 280, 19784-93	5.4	90
20	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. *Journal of Biological Chemistry*, **2005**, 280, 17601-7	5.4	93
19	The mechanism of membrane targeting of human sphingosine kinase 1. *Journal of Biological Chemistry*, **2005**, 280, 43030-8	5.4	115
18	Mechanism of diacylglycerol-induced membrane targeting and activation of protein kinase Cdelta. *Journal of Biological Chemistry*, **2004**, 279, 29501-12	5.4	110
17	The molecular basis of the differential subcellular localization of FYVE domains. *Journal of Biological Chemistry*, **2004**, 279, 53818-27	5.4	50
16	Mechanism of membrane binding of the phospholipase D1 PX domain. *Journal of Biological Chemistry*, **2004**, 279, 54918-26	5.4	78
15	The molecular basis of differential subcellular localization of C2 domains of protein kinase C-alpha and group IVa cytosolic phospholipase A2. *Journal of Biological Chemistry*, **2003**, 278, 12452-60	5.4	109
14	Contrasting membrane interaction mechanisms of AP180 N-terminal homology (ANTH) and epsin N-terminal homology (ENTH) domains. *Journal of Biological Chemistry*, **2003**, 278, 28993-9	5.4	142
13	Bacterial expression and purification of C1 and C2 domains of protein kinase C isoforms. *Methods in Molecular Biology*, **2003**, 233, 291-8	1.4	7
12	Development of a biochemistry laboratory course with a project-oriented goal. *Biochemistry and Molecular Biology Education*, **2003**, 31, 106-112	1.3	19
11	Computer modeling of the membrane interaction of FYVE domains. *Journal of Molecular Biology*, **2003**, 328, 721-36	6.5	57
10	Activation mechanisms of conventional protein kinase C isoforms are determined by the ligand affinity and conformational flexibility of their C1 domains. *Journal of Biological Chemistry*, **2003**, 278, 46886-94	5.4	110
9	Membrane binding mechanisms of the PX domains of NADPH oxidase p40phox and p47phox. *Journal of Biological Chemistry*, **2003**, 278, 14469-79	5.4	115

8	Binding of the PX domain of p47(phox) to phosphatidylinositol 3,4-bisphosphate and phosphatidic acid is masked by an intramolecular interaction. *EMBO Journal*, **2002**, 21, 5057-68	13	268
7	Phosphatidylinositol 3-phosphate induces the membrane penetration of the FYVE domains of Vps27p and Hrs. *Journal of Biological Chemistry*, **2002**, 277, 26379-88	5.4	130
6	Roles of calcium ions in the membrane binding of C2 domains. *Biochemical Journal*, **2001**, 359, 679-85	3.8	47
5	Roles of calcium ions in the membrane binding of C2 domains. *Biochemical Journal*, **2001**, 359, 679-685	3.8	52
4	Membrane binding assays for peripheral proteins. *Analytical Biochemistry*, **2001**, 296, 153-61	3.1	116
3	Roles of ionic residues of the C1 domain in protein kinase C-alpha activation and the origin of phosphatidylserine specificity. *Journal of Biological Chemistry*, **2001**, 276, 4218-26	5.4	104
2	Differential roles of ionic, aliphatic, and aromatic residues in membrane-protein interactions: a surface plasmon resonance study on phospholipases A2. *Biochemistry*, **2001**, 40, 4672-8	3.2	150
1	PI(4,5)P2 Binding Sites in the Ebola Virus Matrix Protein Modulate Assembly and Budding		1