

# Barry R Lentz

## List of Publications by Citations

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130  
papers

6,410  
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44  
h-index

77  
g-index

152  
ext. papers

6,736  
ext. citations

2.8  
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5.74  
L-index

#	Paper	IF	Citations
130	Fluorescence depolarization studies of phase transitions and fluidity in phospholipid bilayers. 1. Single component phosphatidylcholine liposomes. <i>Biochemistry</i> , <b>1976</b> , 15, 4521-8	3.2	452
129	Fluorescence depolarization studies of phase transitions and fluidity in phospholipid bilayers. 2. Two-component phosphatidylcholine liposomes. <i>Biochemistry</i> , <b>1976</b> , 15, 4529-37	3.2	380
128	Membrane fluidity as detected by diphenylhexatriene probes. <i>Chemistry and Physics of Lipids</i> , <b>1989</b> , 50, 171-190	3.7	359
127	Use of fluorescent probes to monitor molecular order and motions within liposome bilayers. <i>Chemistry and Physics of Lipids</i> , <b>1993</b> , 64, 99-116	3.7	319
126	Exposure of platelet membrane phosphatidylserine regulates blood coagulation. <i>Progress in Lipid Research</i> , <b>2003</b> , 42, 423-38	14.3	252
125	Cholesterol-phosphatidylcholine interactions in multilamellar vesicles. <i>Biochemistry</i> , <b>1980</b> , 19, 1943-54	3.2	201
124	Evolution of lipidic structures during model membrane fusion and the relation of this process to cell membrane fusion. <i>Biochemistry</i> , <b>1997</b> , 36, 6251-9	3.2	170
123	Influence of lipid composition on physical properties and peg-mediated fusion of curved and uncurved model membrane vesicles: "nature's own" fusogenic lipid bilayer. <i>Biochemistry</i> , <b>2001</b> , 40, 4340-8	3.2	159
122	Protein machines and lipid assemblies: current views of cell membrane fusion. <i>Current Opinion in Structural Biology</i> , <b>2000</b> , 10, 607-15	8.1	130
121	Neuronal SNAREs do not trigger fusion between synthetic membranes but do promote PEG-mediated membrane fusion. <i>Biophysical Journal</i> , <b>2006</b> , 90, 1661-75	2.9	125
120	Polymer-induced membrane fusion: potential mechanism and relation to cell fusion events. <i>Chemistry and Physics of Lipids</i> , <b>1994</b> , 73, 91-106	3.7	122
119	PEG as a tool to gain insight into membrane fusion. <i>European Biophysics Journal</i> , <b>2007</b> , 36, 315-26	1.9	117
118	"Squiggle-H <sub>2</sub> O". An enquiry into the importance of solvation effects in phosphate ester and anhydride reactions. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , <b>1970</b> , 223, 1-15	4.6	108
117	Spontaneous fusion of phosphatidylcholine small unilamellar vesicles in the fluid phase. <i>Biochemistry</i> , <b>1987</b> , 26, 5389-97	3.2	103
116	Bilayer curvature and certain amphipaths promote poly(ethylene glycol)-induced fusion of dipalmitoylphosphatidylcholine unilamellar vesicles. <i>Biochemistry</i> , <b>1992</b> , 31, 2643-53	3.2	100
115	Expression of coagulant activity in human platelets: release of membranous vesicles providing platelet factor 1 and platelet factor 3. <i>Thrombosis Research</i> , <b>1985</b> , 39, 63-79	8.2	99
114	Poly(ethylene glycol) (PEG)-mediated fusion between pure lipid bilayers: a mechanism in common with viral fusion and secretory vesicle release?. <i>Molecular Membrane Biology</i> , <b>1999</b> , 16, 279-96	3.4	97

113	Modulation of poly(ethylene glycol)-induced fusion by membrane hydration: importance of interbilayer separation. <i>Biochemistry</i> , <b>1992</b> , 31, 2653-61	3.2	91
112	Water molecule interactions. Stability of cyclic polymers. <i>Journal of Chemical Physics</i> , <b>1973</b> , 58, 5296-5308	3.9	88
111	A new model to describe extrinsic protein binding to phospholipid membranes of varying composition: application to human coagulation proteins. <i>Biochemistry</i> , <b>1989</b> , 28, 7453-61	3.2	86
110	Secretory and viral fusion may share mechanistic events with fusion between curved lipid bilayers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>1998</b> , 95, 9274-9	11.5	83
109	Phase behavior of large unilamellar vesicles composed of synthetic phospholipids. <i>Biochemistry</i> , <b>1984</b> , 23, 2353-62	3.2	82
108	Advantages and limitations of 1-palmitoyl-2-[[2-[4-(6-phenyl-trans-1,3,5-hexatrienyl)phenyl]ethyl]carbonyl]-3- sn-phosphatidylcholine as a fluorescent membrane probe. <i>Biochemistry</i> , <b>1985</b> , 24, 6178-85	3.2	78
107	Acyl chain unsaturation and vesicle curvature alter outer leaflet packing and promote poly(ethylene glycol)-mediated membrane fusion. <i>Biochemistry</i> , <b>1997</b> , 36, 5827-36	3.2	75
106	Energetics of vesicle fusion intermediates: comparison of calculations with observed effects of osmotic and curvature stresses. <i>Biophysical Journal</i> , <b>2004</b> , 86, 2951-64	2.9	74
105	Osmotic and curvature stress affect PEG-induced fusion of lipid vesicles but not mixing of their lipids. <i>Biophysical Journal</i> , <b>2002</b> , 82, 2090-100	2.9	65
104	Phospholipid lateral organization in synthetic membranes as monitored by pyrene-labeled phospholipids: effects of temperature and prothrombin fragment 1 binding. <i>Biochemistry</i> , <b>1986</b> , 25, 567-74	3.2	63
103	Association of factor V activity with membranous vesicles released from human platelets: requirement for platelet stimulation. <i>Thrombosis Research</i> , <b>1985</b> , 39, 49-61	8.2	60
102	Effect of lipid membrane structure on the adenosine 5'-triphosphate hydrolyzing activity of the calcium-stimulated adenosinetriphosphatase of sarcoplasmic reticulum. <i>Biochemistry</i> , <b>1981</b> , 20, 6810-7	3.2	60
101	Outer leaflet-packing defects promote poly(ethylene glycol)-mediated fusion of large unilamellar vesicles. <i>Biochemistry</i> , <b>1997</b> , 36, 421-31	3.2	58
100	Soluble phospholipids enhance factor Xa-catalyzed prothrombin activation in solution. <i>Biochemistry</i> , <b>1996</b> , 35, 7482-91	3.2	58
99	Large vesicle contamination in small, unilamellar vesicles. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>1980</b> , 597, 92-9	3.8	57
98	Properties and structures of the influenza and HIV fusion peptides on lipid membranes: implications for a role in fusion. <i>Biophysical Journal</i> , <b>2005</b> , 89, 3183-94	2.9	56
97	Poly(ethylene glycol)-induced fusion and rupture of dipalmitoylphosphatidylcholine large, unilamellar extruded vesicles. <i>Biochemistry</i> , <b>1993</b> , 32, 9172-80	3.2	54
96	Roles of curvature and hydrophobic interstice energy in fusion: studies of lipid perturbant effects. <i>Biochemistry</i> , <b>2004</b> , 43, 3507-17	3.2	52

95	Acyl chain order and lateral domain formation in mixed phosphatidylcholine--sphingomyelin multilamellar and unilamellar vesicles. <i>Biochemistry</i> , <b>1981</b> , 20, 6803-9	3.2	51
94	Kinetics of lipid rearrangements during poly(ethylene glycol)-mediated fusion of highly curved unilamellar vesicles. <i>Biochemistry</i> , <b>2002</b> , 41, 1241-9	3.2	49
93	Phase behavior of membranes reconstituted from dipentadecanoylphosphatidylcholine and the Mg <sup>2+</sup> -dependent, Ca <sup>2+</sup> -stimulated adenosinetriphosphatase of sarcoplasmic reticulum: evidence for a disrupted lipid domain surrounding protein. <i>Biochemistry</i> , <b>1985</b> , 24, 433-42	3.2	49
92	Rate and extent of poly(ethylene glycol)-induced large vesicle fusion monitored by bilayer and internal contents mixing. <i>Biochemistry</i> , <b>1986</b> , 25, 6678-88	3.2	47
91	VSV transmembrane domain (TMD) peptide promotes PEG-mediated fusion of liposomes in a conformationally sensitive fashion. <i>Biochemistry</i> , <b>2002</b> , 41, 14925-34	3.2	46
90	The rate of lipid transfer during fusion depends on the structure of fluorescent lipid probes: a new chain-labeled lipid transfer probe pair. <i>Biochemistry</i> , <b>2001</b> , 40, 8292-9	3.2	46
89	Poly(ethylene glycol)-induced lipid mixing but not fusion between synthetic phosphatidylcholine large unilamellar vesicles. <i>Biochemistry</i> , <b>1991</b> , 30, 4193-200	3.2	46
88	Structure of liquid water. II. Improved statistical thermodynamic treatment and implications of a cluster model. <i>The Journal of Physical Chemistry</i> , <b>1974</b> , 78, 1531-1550		46
87	Evaluation of membrane phase behavior as a tool to detect extrinsic protein-induced domain formation: binding of prothrombin to phosphatidylserine/phosphatidylcholine vesicles. <i>Biochemistry</i> , <b>1990</b> , 29, 6720-9	3.2	45
86	A model for the effect of lipid oxidation on diphenylhexatriene fluorescence in phospholipid vesicles. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>1981</b> , 645, 17-23	3.8	43
85	Comparison of the abilities of synthetic and platelet-derived membranes to enhance thrombin formation. <i>Thrombosis Research</i> , <b>1985</b> , 39, 711-24	8.2	42
84	Fusion and phase separation monitored by lifetime changes of a fluorescent phospholipid probe. <i>Biochemistry</i> , <b>1986</b> , 25, 1021-6	3.2	41
83	Influence of gp41 fusion peptide on the kinetics of poly(ethylene glycol)-mediated model membrane fusion. <i>Biochemistry</i> , <b>2002</b> , 41, 10866-76	3.2	39
82	Partial glycosylation at asparagine-2181 of the second C-type domain of human factor V modulates assembly of the prothrombinase complex. <i>Biochemistry</i> , <b>1999</b> , 38, 11448-54	3.2	38
81	Determination of phosphatidylglycerol asymmetry in small, unilamellar vesicles by chemical modification. <i>Biochemistry</i> , <b>1980</b> , 19, 2555-9	3.2	38
80	Mechanism of poly(ethylene glycol)-induced lipid transfer between phosphatidylcholine large unilamellar vesicles: a fluorescent probe study. <i>Biochemistry</i> , <b>1991</b> , 30, 6780-7	3.2	37
79	Localization of phosphatidylserine binding sites to structural domains of factor Xa. <i>Journal of Biological Chemistry</i> , <b>2002</b> , 277, 1855-63	5.4	35
78	A phosphatidylserine binding site in factor Va C1 domain regulates both assembly and activity of the prothrombinase complex. <i>Blood</i> , <b>2008</b> , 112, 2795-802	2.2	34

77	Phospholipid-Specific Conformational Changes in Human Prothrombin upon Binding to Procoagulant Acidic Lipid Membranes. <i>Thrombosis and Haemostasis</i> , <b>1994</b> , 71, 596-604	7	34
76	Role of procoagulant lipids in human prothrombin activation. 1. Prothrombin activation by factor X(a) in the absence of factor V(a) and in the absence and presence of membranes. <i>Biochemistry</i> , <b>2002</b> , 41, 935-49	3.2	33
75	Transbilayer lipid redistribution accompanies poly(ethylene glycol) treatment of model membranes but is not induced by fusion. <i>Biochemistry</i> , <b>1997</b> , 36, 2076-83	3.2	32
74	Phosphatidylserine binding alters the conformation and specifically enhances the cofactor activity of bovine factor Va. <i>Biochemistry</i> , <b>2002</b> , 41, 5675-84	3.2	32
73	A slight asymmetry in the transbilayer distribution of lysophosphatidylcholine alters the surface properties and poly(ethylene glycol)-mediated fusion of dipalmitoylphosphatidylcholine large unilamellar vesicles. <i>Biochemistry</i> , <b>1996</b> , 35, 12602-11	3.2	32
72	Phase behavior of mixed phosphatidylglycerol/phosphatidylcholine multilamellar and unilamellar vesicles. <i>Biochemistry</i> , <b>1982</b> , 21, 4212-9	3.2	32
71	Wild-type and mutant hemagglutinin fusion peptides alter bilayer structure as well as kinetics and activation thermodynamics of stalk and pore formation differently: mechanistic implications. <i>Biophysical Journal</i> , <b>2013</b> , 105, 2495-506	2.9	31
70	Activation thermodynamics of poly(ethylene glycol)-mediated model membrane fusion support mechanistic models of stalk and pore formation. <i>Biophysical Journal</i> , <b>2012</b> , 102, 2751-60	2.9	31
69	Filling potholes on the path to fusion pores. <i>Biophysical Journal</i> , <b>2002</b> , 82, 555-7	2.9	31
68	Analysis of membrane fusion as a two-state sequential process: evaluation of the stalk model. <i>Biophysical Journal</i> , <b>2007</b> , 92, 4012-29	2.9	30
67	Role of procoagulant lipids in human prothrombin activation. 2. Soluble phosphatidylserine upregulates and directs factor X(a) to appropriate peptide bonds in prothrombin. <i>Biochemistry</i> , <b>2002</b> , 41, 950-7	3.2	30
66	Comparison of lipid binding and kinetic properties of normal, variant, and gamma-carboxyglutamic acid modified human factor IX and factor IXa. <i>Biochemistry</i> , <b>1985</b> , 24, 8064-9	3.2	30
65	Hemagglutinin fusion peptide mutants in model membranes: structural properties, membrane physical properties, and PEG-mediated fusion. <i>Biophysical Journal</i> , <b>2011</b> , 101, 1095-104	2.9	29
64	Fluorescence resonance energy transfer study of shape changes in membrane-bound bovine prothrombin and meizothrombin. <i>Biochemistry</i> , <b>1997</b> , 36, 4701-11	3.2	28
63	Efficient thrombin generation requires molecular phosphatidylserine, not a membrane surface. <i>Biochemistry</i> , <b>2005</b> , 44, 16998-7006	3.2	28
62	Soluble phosphatidylserine triggers assembly in solution of a prothrombin-activating complex in the absence of a membrane surface. <i>Journal of Biological Chemistry</i> , <b>2002</b> , 277, 29765-73	5.4	28
61	A novel fluorescence assay to study propeptide interaction with gamma-glutamyl carboxylase. <i>Biochemistry</i> , <b>2001</b> , 40, 11723-33	3.2	28
60	Effects of hemagglutinin fusion peptide on poly(ethylene glycol)-mediated fusion of phosphatidylcholine vesicles. <i>Biochemistry</i> , <b>2001</b> , 40, 14243-51	3.2	27

59	Cooperative roles of factor V(a) and phosphatidylserine-containing membranes as cofactors in prothrombin activation. <i>Journal of Biological Chemistry</i> , <b>2003</b> , 278, 5679-84	5.4	26
58	Fusion peptides promote formation of bilayer cubic phases in lipid dispersions. An x-ray diffraction study. <i>Biophysical Journal</i> , <b>2013</b> , 104, 1029-37	2.9	25
57	Evidence from total internal reflection fluorescence microscopy for calcium-independent binding of prothrombin to negatively charged planar phospholipid membranes. <i>Biochemistry</i> , <b>1991</b> , 30, 10991-9	3.2	25
56	Phosphatidylserine inhibits and calcium promotes model membrane fusion. <i>Biophysical Journal</i> , <b>2012</b> , 103, 1880-9	2.9	24
55	The phosphatidylserine binding site of the factor Va C2 domain accounts for membrane binding but does not contribute to the assembly or activity of a human factor Xa-factor Va complex. <i>Biochemistry</i> , <b>2005</b> , 44, 711-8	3.2	23
54	Morphology and phase behavior of two types of unilamellar vesicles prepared from synthetic phosphatidylcholines studied by freeze-fracture electron microscopy and calorimetry. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>1985</b> , 812, 493-502	3.8	23
53	Calcium-dependent and calcium-independent interactions of prothrombin fragment 1 with phosphatidylglycerol/phosphatidylcholine unilamellar vesicles. <i>Biochemistry</i> , <b>1985</b> , 24, 6997-7005	3.2	22
52	Effects of water soluble phosphatidylserine on bovine factor Xa: functional and structural changes plus dimerization. <i>Biophysical Journal</i> , <b>2003</b> , 84, 1238-51	2.9	20
51	Transbilayer redistribution of phosphatidylglycerol in small, unilamellar vesicles induced by specific divalent cations. <i>Biochemistry</i> , <b>1982</b> , 21, 6799-807	3.2	20
50	Phosphatidylserine-containing membranes alter the thermal stability of prothrombin's catalytic domain: a differential scanning calorimetric study. <i>Biochemistry</i> , <b>1994</b> , 33, 5460-8	3.2	18
49	Quinine as a fluorescence lifetime standard: Conditions for effectively homogeneous decay. <i>Chemical Physics Letters</i> , <b>1984</b> , 104, 163-167	2.5	18
48	Depth-Dependent Membrane Ordering by Hemagglutinin Fusion Peptide Promotes Fusion. <i>Journal of Physical Chemistry B</i> , <b>2017</b> , 121, 1640-1648	3.4	16
47	Specificity of soluble phospholipid binding sites on human factor Xa. <i>Biochemistry</i> , <b>2002</b> , 41, 7751-62	3.2	16
46	The lateral diffusion and fibrinogen induced clustering of platelet integrin $\alpha\text{IIb}\beta\text{3}$ reconstituted into physiologically mimetic GUVs. <i>Integrative Biology (United Kingdom)</i> , <b>2015</b> , 7, 402-11	3.7	15
45	Membrane modulates affinity for calcium ion to create an apparent cooperative binding response by annexin a5. <i>Biophysical Journal</i> , <b>2013</b> , 104, 2437-47	2.9	14
44	Modulation of prothrombinase assembly and activity by phosphatidylethanolamine. <i>Journal of Biological Chemistry</i> , <b>2011</b> , 286, 35535-35542	5.4	14
43	Differentiation of factor V-like coagulant activity from catalytic phospholipid-like surface activity in membrane fractions derived from human platelets. <i>Thrombosis Research</i> , <b>1981</b> , 22, 603-21	8.2	14
42	Factor XA binding to phosphatidylserine-containing membranes produces an inactive membrane-bound dimer. <i>Biophysical Journal</i> , <b>2009</b> , 97, 2232-41	2.9	13

41	Ca <sup>2+</sup> switches the effect of PS-containing membranes on Factor Xa from activating to inhibiting: implications for initiation of blood coagulation. <i>Biochemical Journal</i> , <b>2014</b> , 462, 591-601	3.8	12
40	Pyrene cholesterol reports the transient appearance of nonlamellar intermediate structures during fusion of model membranes. <i>Biochemistry</i> , <b>2002</b> , 41, 5913-9	3.2	12
39	pH Alters PEG-mediated fusion of phosphatidylethanolamine-containing vesicles. <i>Biophysical Journal</i> , <b>2014</b> , 107, 1327-38	2.9	11
38	A simple method for correction of circular dichroism spectra obtained from membrane-containing samples. <i>Biochemistry</i> , <b>2012</b> , 51, 1005-8	3.2	11
37	On the analysis of elastic deformations in hexagonal phases. <i>Biophysical Journal</i> , <b>2004</b> , 86, 3324-8	2.9	11
36	The platelet membrane as a catalytic surface in thrombin generation: availability of platelet factor 1 and platelet factor 3. <i>Annals of the New York Academy of Sciences</i> , <b>1981</b> , 370, 348-58	6.5	11
35	Phosphatidylserine-Dependent Catalysis of Stalk and Pore Formation by Synaptobrevin JMR-TMD Peptide. <i>Biophysical Journal</i> , <b>2015</b> , 109, 1863-72	2.9	10
34	Functional and structural characterization of factor Xa dimer in solution. <i>Biophysical Journal</i> , <b>2009</b> , 96, 974-86	2.9	10
33	A method for quantitative interpretation of fluorescence detection of poly(ethylene glycol)-mediated 1-palmitoyl-2-[[[2-[4-(phenyl-trans-1,3,5-hexatrienyl) phenyl]ethyl]oxyl]carbonyl]3-sn-phosphatidylcholine (DPHpPC) transfer and fusion between phospholipid vesicles in the dehydrated state. <i>Journal of Fluorescence</i> , <b>1994</b> , 4, 153-63	2.4	10
32	The transmembrane domain peptide of vesicular stomatitis virus promotes both intermediate and pore formation during PEG-mediated vesicle fusion. <i>Biophysical Journal</i> , <b>2014</b> , 107, 1318-26	2.9	9
31	Structural comparisons of meizothrombin and its precursor prothrombin in the presence or absence of procoagulant membranes. <i>Biochemistry</i> , <b>1992</b> , 31, 6990-6	3.2	9
30	Lipid-Protein Interactions in Sarcoplasmic Reticulum: A Disrupted Secondary Lipid Layer Surrounds the Ca-ATPase. <i>Biophysical Journal</i> , <b>1982</b> , 37, 30-2	2.9	9
29	Structure of liquid water. III. Thermodynamic properties of liquid deuterium oxide. <i>The Journal of Physical Chemistry</i> , <b>1975</b> , 79, 2352-2361		9
28	Phosphatidylserine and FVa regulate FXa structure. <i>Biochemical Journal</i> , <b>2014</b> , 459, 229-39	3.8	8
27	The kinetic mechanism of cation-catalyzed phosphatidylglycerol transbilayer migration implies close contact between vesicles as an intermediate state. <i>Biochemistry</i> , <b>1989</b> , 28, 4575-80	3.2	8
26	Phosphatidylserine-induced factor Xa dimerization and binding to factor Va are competing processes in solution. <i>Biochemistry</i> , <b>2013</b> , 52, 143-51	3.2	7
25	<b>2013</b> ,		7
24	Determination of the rate of rapid lipid transfer induced by poly(ethylene glycol) using the SLM Fourier transform phase and modulation spectrofluorometer. <i>Journal of Fluorescence</i> , <b>1991</b> , 1, 105-12	2.4	7

23	Commentary: Lipids and Liposomes can do More Than Carry Drugs: Phosphatidylserine as a Regulator of Blood Coagulation. <i>Journal of Liposome Research</i> , <b>1999</b> , 9, ix-xv	6.1	6
22	Are acidic lipid domains induced by extrinsic protein binding to membranes?. <i>Molecular Membrane Biology</i> , <b>1995</b> , 12, 65-7	3.4	6
21	Fluorescence lifetime measurements to monitor membrane lipid mixing. <i>Methods in Enzymology</i> , <b>1993</b> , 220, 42-50	1.7	6
20	Factor Xa dimerization competes with prothrombinase complex formation on platelet-like membrane surfaces. <i>Biochemical Journal</i> , <b>2015</b> , 467, 37-46	3.8	4
19	Vibrational frequencies of water clusters. <i>The Journal of Physical Chemistry</i> , <b>1974</b> , 78, 1844-1847		4
18	Partially purified Echis carinatus venom cleaves active-site-mutated bovine prothrombin at two sites. <i>Thrombosis Research</i> , <b>1997</b> , 85, 369-75	8.2	3
17	Seeing is believing: the stalk intermediate. <i>Biophysical Journal</i> , <b>2006</b> , 91, 2747-8	2.9	3
16	Fluorescence lifetimes of diphenylhexatriene-containing probes reflect local probe concentrations: Application to the measurement of membrane fusion. <i>Journal of Fluorescence</i> , <b>1995</b> , 5, 29-38	2.4	3
15	A novel assay for detecting fusion pore formation: implications for the fusion mechanism. <i>Biochemistry</i> , <b>2013</b> , 52, 8510-7	3.2	2
14	Soluble phosphatidylserine binds to two sites on human factor IXa in a Ca <sup>2+</sup> dependent fashion to specifically regulate structure and activity. <i>PLoS ONE</i> , <b>2014</b> , 9, e100006	3.7	2
13	Construction, properties and specific fluorescent labeling of a bovine prothrombin mutant engineered with a free C-terminal cysteine. <i>Protein Engineering, Design and Selection</i> , <b>1996</b> , 9, 545-53	1.9	1
12	C6PS Regulates the Inactivation of Factor Va by Activated Protein C.. <i>Blood</i> , <b>2005</b> , 106, 1023-1023	2.2	1
11	Concentration Dependence of DPHpPC Fluorescence Lifetime: Photophysics and Utility for Monitoring Membrane Fusion <b>1988</b> , 557-566		1
10	Jan Hermans (1933-2018): Red-blooded biophysicists study hemoglobin. <i>Proteins: Structure, Function and Bioinformatics</i> , <b>2019</b> , 87, 171-173	4.2	
9	Mutation of the Hydrophobic Residues in Factor Va2 C1 Domain Affects the Phosphatidylserine Mediated Prothrombin Activation.. <i>Blood</i> , <b>2004</b> , 104, 1733-1733	2.2	
8	Phosphatidylserine (PS) Binding Sites in Kringle Modules Regulate the Domain Organization and Conformation of Bovine Prothrombin.. <i>Blood</i> , <b>2005</b> , 106, 1952-1952	2.2	
7	Identification of Amino Acid Residues in the C1 Domain of Human Factor Va2 That Affect Phosphatidylserine-Triggered Cofactor Activity.. <i>Blood</i> , <b>2006</b> , 108, 1711-1711	2.2	
6	Membrane Phosphatidylserine and Plasma Calcium Levels Switch Factor Xa From An Inactive Dimer to An Active Monomer.. <i>Blood</i> , <b>2009</b> , 114, 3180-3180	2.2	

- 5 Modulation of Prothrombinase Assembly and Activity by Phosphatidylethanolamine.. *Blood*, **2009**, 114, 4207-4207 2.2
- 4 Factor Xa Dimerization and Prothrombinase Complex Formation Are Competitive Process On a Membrane Surface.. *Blood*, **2009**, 114, 2123-2123 2.2
- 3 The Interaction of Soluble Phospholipids with Coagulation Factor VIIa. *Blood*, **2010**, 116, 4421-4421 2.2
- 2 Nematode Antocoagulant Protein c2 (NAPc2) Interferes with Factor Xa Dimerization: Structural Alteration of Factor Xa Upon Dimerization.. *Blood*, **2010**, 116, 1128-1128 2.2
- 1 Modulation of Prothrombinase Assembly and Activity by Phosphatidylethanolamine. *Blood*, **2011**, 118, 4344-4344 2.2