

Banafshe Larijani

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.

99
papers

3,146
citations

28
h-index

55
g-index

113
ext. papers

3,513
ext. citations

5.7
avg, IF

4.85
L-index

#	Paper	IF	Citations
99	Quantification of protein-protein interactions and activation dynamics: A new path to predictive biomarkers.. <i>Biophysical Chemistry</i> , 2022 , 283, 106768	3.5	1
98	The enigma of phosphoinositides and their derivatives: Their role in regulation of subcellular compartment morphology. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2022 , 1864, 183780	3.8	1
97	Quantification of biomarker functionality predicts patient outcomes. <i>British Journal of Cancer</i> , 2021 , 124, 1618-1620	8.7	0
96	Immunogenomics of Colorectal Cancer Response to Checkpoint Blockade: Analysis of the KEYNOTE 177 Trial and Validation Cohorts. <i>Gastroenterology</i> , 2021 , 161, 1179-1193	13.3	8
95	Tandem NMR and Mass Spectrometry Analysis of Human Nuclear Membrane Lipids. <i>Analytical Chemistry</i> , 2020 , 92, 6858-6868	7.8	6
94	The unprecedented membrane deformation of the human nuclear envelope, in a magnetic field, indicates formation of nuclear membrane invaginations. <i>Scientific Reports</i> , 2020 , 10, 5147	4.9	15
93	High PD-1/PD-L1 Checkpoint Interaction Infers Tumor Selection and Therapeutic Sensitivity to Anti-PD-1/PD-L1 Treatment. <i>Cancer Research</i> , 2020 , 80, 4244-4257	10.1	13
92	A Complex Interplay of Anionic Phospholipid Binding Regulates 3TPhosphoinositide-Dependent-Kinase-1 Homodimer Activation. <i>Scientific Reports</i> , 2019 , 9, 14527	4.9	6
91	Lipid species affect morphology of endoplasmic reticulum: a sea urchin oocyte model of reversible manipulation. <i>Journal of Lipid Research</i> , 2019 , 60, 1880-1891	6.3	7
90	Quantifying intracellular equilibrium dissociation constants using single-channel time-resolved FRET. <i>Journal of Biophotonics</i> , 2018 , 11, e201600272	3.1	5
89	Acute depletion of diacylglycerol from the -Golgi affects localized nuclear envelope morphology during mitosis. <i>Journal of Lipid Research</i> , 2018 , 59, 1402-1413	6.3	4
88	A Reevaluation of the Role of Phosphatidylinositol Transfer Protein a in Growth Factor Signaling. <i>FASEB Journal</i> , 2018 , 32, 540.5	0.9	
87	eC-CLEM: flexible multidimensional registration software for correlative microscopies. <i>Nature Methods</i> , 2017 , 14, 102-103	21.6	152
86	Correlative super-resolution fluorescence and electron microscopy using conventional fluorescent proteins in vacuo. <i>Journal of Structural Biology</i> , 2017 , 199, 120-131	3.4	44
85	Time resolved amplified FRET identifies protein kinase B activation state as a marker for poor prognosis in clear cell renal cell carcinoma. <i>BBA Clinical</i> , 2017 , 8, 97-102		5
84	Uncoupling TORC2 from AGC kinases inhibits tumour growth. <i>Oncotarget</i> , 2017 , 8, 84685-84696	3.3	3
83	Vesicular PtdIns(3,4,5)P3 and Rab7 are key effectors of sea urchin zygote nuclear membrane fusion. <i>Journal of Cell Science</i> , 2017 , 130, 444-452	5.3	4

82	A Small Molecule Inhibitor of PDK1/PLC β Interaction Blocks Breast and Melanoma Cancer Cell Invasion. <i>Scientific Reports</i> , 2016 , 6, 26142	4.9	19
81	The Use of Two-Photon FRET-FLIM to Study Protein Interactions During Nuclear Envelope Fusion In Vivo and In Vitro. <i>Methods in Molecular Biology</i> , 2016 , 1411, 123-32	1.4	2
80	Endomembrane PtdIns(3,4,5)P3 activates the PI3K-Akt pathway. <i>Journal of Cell Science</i> , 2015 , 128, 3456-65	5.9	38
79	Functional proteomic biomarkers in cancer. <i>Annals of the New York Academy of Sciences</i> , 2015 , 1346, 1-6	6.5	
78	Standard fluorescent proteins as dual-modality probes for correlative experiments in an integrated light and electron microscope. <i>Journal of Chemical Biology</i> , 2015 , 8, 179-188		14
77	Correlative and integrated light and electron microscopy of in-resin GFP fluorescence, used to localise diacylglycerol in mammalian cells. <i>Ultramicroscopy</i> , 2014 , 143, 3-14	3.1	98
76	Acute regulation of PDK1 by a complex interplay of molecular switches. <i>Biochemical Society Transactions</i> , 2014 , 42, 1435-40	5.1	20
75	Principle of duality in phospholipids: regulators of membrane morphology and dynamics. <i>Biochemical Society Transactions</i> , 2014 , 42, 1335-42	5.1	4
74	Functional implications of assigned, assumed and assembled PKC structures. <i>Biochemical Society Transactions</i> , 2014 , 42, 35-41	5.1	4
73	Conservation of proteo-lipid nuclear membrane fusion machinery during early embryogenesis. <i>Nucleus</i> , 2014 , 5, 441-8	3.9	3
72	High-throughput time-resolved FRET reveals Akt/PKB activation as a poor prognostic marker in breast cancer. <i>Cancer Research</i> , 2014 , 74, 4983-95	10.1	19
71	Patient-derived xenografts of triple-negative breast cancer reproduce molecular features of patient tumors and respond to mTOR inhibition. <i>Breast Cancer Research</i> , 2014 , 16, R36	8.3	55
70	Localised interventions in cellular processes. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2013 , 1834, 1364-70	4	1
69	Restricted state selection in fluorescent protein F \ddot{u} ster resonance energy transfer. <i>Journal of the American Chemical Society</i> , 2013 , 135, 7883-90	16.4	13
68	The PH domain of phosphoinositide-dependent kinase-1 exhibits a novel, phospho-regulated monomer-dimer equilibrium with important implications for kinase domain activation: single-molecule and ensemble studies. <i>Biochemistry</i> , 2013 , 52, 4820-9	3.2	19
67	A structural role for lipids in organelle shaping. <i>Biological Bulletin</i> , 2013 , 224, 218-26	1.5	6
66	Lipid-dependent and -independent regulation of nuclear envelope disassembly. <i>Journal of Chemical Biology</i> , 2012 , 6, 3-5		
65	Role of the C-terminal regulatory domain in the allosteric inhibition of PKB/Akt. <i>Advances in Biological Regulation</i> , 2012 , 52, 46-57	6.2	7

64	Accumulated bending energy elicits neutral sphingomyelinase activity in human red blood cells. <i>Biophysical Journal</i> , 2012 , 102, 2077-85	2.9	20
63	Protein activation dynamics in cells and tumor micro arrays assessed by time resolved Föster resonance energy transfer. <i>Methods in Enzymology</i> , 2012 , 506, 225-46	1.7	2
62	Acute depletion of plasma membrane phospholipids-dissecting the roles of PtdIns(4)P and PtdIns(4,5)P2. <i>Journal of Chemical Biology</i> , 2012 , 5, 137-9		2
61	Dynamics of PLC β and Src family kinase 1 interactions during nuclear envelope formation revealed by FRET-FLIM. <i>PLoS ONE</i> , 2012 , 7, e40669	3.7	6
60	Acute manipulation of diacylglycerol reveals roles in nuclear envelope assembly & endoplasmic reticulum morphology. <i>PLoS ONE</i> , 2012 , 7, e51150	3.7	54
59	Effects of phosphoinositides and their derivatives on membrane morphology and function. <i>Current Topics in Microbiology and Immunology</i> , 2012 , 362, 99-110	3.3	6
58	Key role of polyphosphoinositides in dynamics of fusogenic nuclear membrane vesicles. <i>PLoS ONE</i> , 2011 , 6, e23859	3.7	28
57	HER2 phosphorylation is maintained by a PKB negative feedback loop in response to anti-HER2 herceptin in breast cancer. <i>PLoS Biology</i> , 2010 , 8, e1000563	9.7	101
56	Regulation of 3-phosphoinositide-dependent protein kinase 1 activity by homodimerization in live cells. <i>Science Signaling</i> , 2010 , 3, ra78	8.8	49
55	PINCH1 regulates Akt1 activation and enhances radioresistance by inhibiting PP1 α . <i>Journal of Clinical Investigation</i> , 2010 , 120, 2516-27	15.9	80
54	Spatial regulation of membrane fusion controlled by modification of phosphoinositides. <i>PLoS ONE</i> , 2010 , 5, e12208	3.7	25
53	Nuclear envelope remnants: fluid membranes enriched in sterols and polyphosphoinositides. <i>PLoS ONE</i> , 2009 , 4, e4255	3.7	34
52	Role of a novel PH-kinase domain interface in PKB/Akt regulation: structural mechanism for allosteric inhibition. <i>PLoS Biology</i> , 2009 , 7, e17	9.7	183
51	3-D structure and dynamics of protein kinase B-new mechanism for the allosteric regulation of an AGC kinase. <i>Journal of Chemical Biology</i> , 2009 , 2, 11-25		44
50	Tyrosine kinase regulation of nuclear envelope assembly. <i>Advances in Enzyme Regulation</i> , 2009 , 49, 148-56		8
49	Nuclear envelope formation: mind the gaps. <i>Annual Review of Biophysics</i> , 2009 , 38, 107-24	21.1	25
48	Role of phospholipase C in nuclear envelope assembly. <i>Clinical Lipidology</i> , 2009 , 4, 103-112		4
47	Phosphatidylinositol metabolism and membrane fusion. <i>Biochemical Journal</i> , 2009 , 418, 233-46	3.8	50

46	Lipid quantification and structure determination of nuclear envelope precursor membranes in the sea urchin. <i>Methods in Molecular Biology</i> , 2009 , 462, 89-110	1.4	5
45	Nuclear envelope formation in vitro: a sea urchin egg cell-free system. <i>Methods in Molecular Biology</i> , 2009 , 464, 207-23	1.4	10
44	Revealing signaling in single cells by single- and two-photon fluorescence lifetime imaging microscopy. <i>Methods in Molecular Biology</i> , 2009 , 462, 307-43	1.4	6
43	RPEL motifs link the serum response factor cofactor MAL but not myocardin to Rho signaling via actin binding. <i>Molecular and Cellular Biology</i> , 2008 , 28, 732-42	4.8	123
42	Not just another journal. <i>Journal of Chemical Biology</i> , 2008 , 1, 1-2		
41	HER2 oncogenic function escapes EGFR tyrosine kinase inhibitors via activation of alternative HER receptors in breast cancer cells. <i>PLoS ONE</i> , 2008 , 3, e2881	3.7	59
40	Protein and lipid signaling in membrane fusion: nuclear envelope assembly. <i>Signal Transduction</i> , 2007 , 7, 142-153		8
39	Differential activation of the PI 3-kinase effectors AKT/PKB and p70 S6 kinase by compound 48/80 is mediated by PKCalpha. <i>Cellular Signalling</i> , 2007 , 19, 321-9	4.9	12
38	PLCgamma is enriched on poly-phosphoinositide-rich vesicles to control nuclear envelope assembly. <i>Cellular Signalling</i> , 2007 , 19, 913-22	4.9	37
37	Intramolecular and intermolecular interactions of protein kinase B define its activation in vivo. <i>PLoS Biology</i> , 2007 , 5, e95	9.7	232
36	Nuclear actin regulates dynamic subcellular localization and activity of the SRF cofactor MAL. <i>Science</i> , 2007 , 316, 1749-52	33.3	488
35	Protein kinases, from B to C. <i>Biochemical Society Transactions</i> , 2007 , 35, 1013-7	5.1	34
34	Probing the dynamics of intact cells and nuclear envelope precursor membrane vesicles by deuterium solid state NMR spectroscopy. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2007 , 1768, 2516-27	3.8	13
33	Polyunsaturated phosphatidylinositol and diacylglycerol substantially modify the fluidity and polymorphism of biomembranes: a solid-state deuterium NMR study. <i>Lipids</i> , 2006 , 41, 925-32	1.6	25
32	Prognostic value of an activation state marker for epidermal growth factor receptor in tissue microarrays of head and neck cancer. <i>Cancer Research</i> , 2006 , 66, 2834-43	10.1	53
31	Compartmental signal modulation: Endosomal phosphatidylinositol 3-phosphate controls endosome morphology and selective cargo sorting. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 15473-8	11.5	86
30	Detergent solubilization of phosphatidylcholine bilayers in the fluid state: influence of the acyl chain structure. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2006 , 1758, 190-6	3.8	28
29	The von Hippel-Lindau tumour-suppressor protein interaction with protein kinase Cdelta. <i>Biochemical Journal</i> , 2006 , 397, 109-20	3.8	16

28	The role of phosphoinositides in mast cell signalling. <i>Signal Transduction</i> , 2006 , 6, 81-91		3
27	Characterisation of lipids in cell signalling and membrane dynamics by nuclear magnetic resonance spectroscopy and mass spectrometry. <i>Signal Transduction</i> , 2006 , 6, 133-143		7
26	GGA function is required for maturation of neuroendocrine secretory granules. <i>EMBO Journal</i> , 2006 , 25, 1590-602	13	36
25	Nuclear envelope assembly is promoted by phosphoinositide-specific phospholipase C with selective recruitment of phosphatidylinositol-enriched membranes. <i>Biochemical Journal</i> , 2005 , 387, 393-400	2.8	28
24	Diacylglycerol induces fusion of nuclear envelope membrane precursor vesicles. <i>Journal of Biological Chemistry</i> , 2005 , 280, 41171-7	5.4	37
23	Phosphorylation of a distinct structural form of phosphatidylinositol transfer protein alpha at Ser166 by protein kinase C disrupts receptor-mediated phospholipase C signaling by inhibiting delivery of phosphatidylinositol to membranes. <i>Journal of Biological Chemistry</i> , 2004 , 279, 47159-71	5.4	19
22	EGF regulation of P1TP dynamics is blocked by inhibitors of phospholipase C and of the Ras-MAP kinase pathway. <i>Current Biology</i> , 2003 , 13, 78-84	6.3	38
21	Multiple factors contribute to inefficient prenylation of Rab27a in Rab prenylation diseases. <i>Journal of Biological Chemistry</i> , 2003 , 278, 46798-804	5.4	60
20	Monitoring conformational changes of proteins in cells by fluorescence lifetime imaging microscopy. <i>Biochemical Journal</i> , 2003 , 372, 33-40	3.8	101
19	Detecting protein-phospholipid interactions. Epidermal growth factor-induced activation of phospholipase D1b in situ. <i>Journal of Biological Chemistry</i> , 2002 , 277, 22974-9	5.4	21
18	Role for phosphatidylinositol in nuclear envelope formation. <i>Biochemical Journal</i> , 2001 , 356, 495-501	3.8	21
17	Role for phosphatidylinositol in nuclear envelope formation. <i>Biochemical Journal</i> , 2001 , 356, 495-501	3.8	28
16	Identification of a novel phosphonocarboxylate inhibitor of Rab geranylgeranyl transferase that specifically prevents Rab prenylation in osteoclasts and macrophages. <i>Journal of Biological Chemistry</i> , 2001 , 276, 48213-22	5.4	137
15	Phospholipid identification and quantification of membrane vesicle subfractions by 31P-1H two-dimensional nuclear magnetic resonance. <i>Lipids</i> , 2000 , 35, 1289-97	1.6	42
14	Atomic Force Microscopy: Applications in Biology	29-45	2
13	Differential Scanning Calorimetry in the Study of Lipid Structures	47-66	0
12	PET Imaging in Chemical Biology	217-229	
11	Optical Tweezers	199-216	

10 Chemical Genetics231-248

9 Liquid-State NMR95-112

8 Two-Dimensional Infrared Studies of Biomolecules151-162

7 Cryomicroscopy11-28

6 Molecular Dynamics133-150

5 Membrane Potentials and Membrane Probes67-84

0

4 Solid-State NMR in Biomembranes113-131

10

3 Biological Applications of Single- and Two-Photon Fluorescence163-197

2 Identification and Quantification of Lipids Using Mass Spectrometry85-93

1

1 Immunogenomic profile of colorectal cancer response to immune checkpoint blockade

1