

Lenka Bittova

List of Publications by Citations

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19
papers

1,324
citations

16
h-index

19
g-index

19
ext. papers

1,459
ext. citations

5.4
avg, IF

4.3
L-index

#	Paper	IF	Citations
19	Visualization of Rab9-mediated vesicle transport from endosomes to the trans-Golgi in living cells. <i>Journal of Cell Biology</i> , 2002 , 156, 511-8	7.3	239
18	Roles of Trp31 in high membrane binding and proinflammatory activity of human group V phospholipase A2. <i>Journal of Biological Chemistry</i> , 1999 , 274, 11881-8	5.4	145
17	Rab9 GTPase regulates late endosome size and requires effector interaction for its stability. <i>Molecular Biology of the Cell</i> , 2004 , 15, 5420-30	3.5	127
16	Membrane binding assays for peripheral proteins. <i>Analytical Biochemistry</i> , 2001 , 296, 153-61	3.1	116
15	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> , 1999 , 274, 9665-72	5.4	113
14	Accelerated chromatin biochemistry using DNA-barcoded nucleosome libraries. <i>Nature Methods</i> , 2014 , 11, 834-40	21.6	111
13	Roles of ionic residues of the C1 domain in protein kinase C- α activation and the origin of phosphatidylserine specificity. <i>Journal of Biological Chemistry</i> , 2001 , 276, 4218-26	5.4	104
12	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> , 2001 , 276, 11126-34	5.4	78
11	A two-state activation mechanism controls the histone methyltransferase Suv39h1. <i>Nature Chemical Biology</i> , 2016 , 12, 188-93	11.7	59
10	Membrane penetration of cytosolic phospholipase A2 is necessary for its interfacial catalysis and arachidonate specificity. <i>Biochemistry</i> , 1998 , 37, 14128-36	3.2	45
9	X-ray structure of ILL2, an auxin-conjugate amidohydrolase from <i>Arabidopsis thaliana</i> . <i>Proteins: Structure, Function and Bioinformatics</i> , 2009 , 74, 61-71	4.2	37
8	A phospholipase A2 kinetic and binding assay using phospholipid-coated hydrophobic beads. <i>Analytical Biochemistry</i> , 1997 , 250, 109-16	3.1	36
7	Structure of human J-type co-chaperone HscB reveals a tetracysteine metal-binding domain. <i>Journal of Biological Chemistry</i> , 2008 , 283, 30184-92	5.4	33
6	The juvenile hormone receptor as a target of juvenoid "insect growth regulators". <i>Archives of Insect Biochemistry and Physiology</i> , 2020 , 103, e21615	2.3	31
5	Exquisite ligand stereoselectivity of a juvenile hormone receptor contrasts with its broad agonist repertoire. <i>Journal of Biological Chemistry</i> , 2019 , 294, 410-423	5.4	24
4	X-ray structure of <i>Danio rerio</i> secretagoin: A hexa-EF-hand calcium sensor. <i>Proteins: Structure, Function and Bioinformatics</i> , 2009 , 76, 477-83	4.2	17
3	A decade with the juvenile hormone receptor. <i>Advances in Insect Physiology</i> , 2021 , 60, 37-85	2.5	5

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| 2 | Purification of an insect juvenile hormone receptor complex enables insights into its post-translational phosphorylation. <i>Journal of Biological Chemistry</i> , 2021 , 101387 | 5-4 | 4 |
| 1 | Binding of de novo synthesized radiolabeled juvenile hormone (JH III) by JH receptors from the Cuban subterranean termite <i>Prorhinotermes simplex</i> and the German cockroach <i>Blattella germanica</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2021 , 139, 103671 | 4-5 | 0 |