

Toni Petan

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.

32
papers

722
citations

15
h-index

26
g-index

37
ext. papers

950
ext. citations

4.9
avg, IF

4.88
L-index

#	Paper	IF	Citations
32	Lipid Droplets in Cancer: Guardians of Fat in a Stressful World. <i>Molecules</i> , 2018 , 23,	4.8	135
31	Lipid droplets induced by secreted phospholipase A and unsaturated fatty acids protect breast cancer cells from nutrient and lipotoxic stress. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2018 , 1863, 247-265	5	58
30	Lipid Droplets and the Management of Cellular Stress. <i>Yale Journal of Biology and Medicine</i> , 2019 , 92, 435-452	2.4	53
29	Secreted phospholipases A2 in cancer: diverse mechanisms of action. <i>Biochimie</i> , 2014 , 107 Pt A, 114-23	4.6	50
28	Group X secreted phospholipase A(2) induces lipid droplet formation and prolongs breast cancer cell survival. <i>Molecular Cancer</i> , 2013 , 12, 111	42.1	49
27	A twist of FATE: Lipid droplets and inflammatory lipid mediators. <i>Biochimie</i> , 2020 , 169, 69-87	4.6	41
26	Restoration of enzymatic activity in a Ser-49 phospholipase A2 homologue decreases its Ca(2+)-independent membrane-damaging activity and increases its toxicity. <i>Biochemistry</i> , 2007 , 46, 12795-809	3.2	39
25	Amodytoxins, potent presynaptic neurotoxins, are also highly efficient phospholipase A2 enzymes. <i>Biochemistry</i> , 2005 , 44, 12535-45	3.2	32
24	Phenylalanine-24 in the N-terminal region of amodytoxins is important for both enzymic activity and presynaptic toxicity. <i>Biochemical Journal</i> , 2002 , 363, 353-358	3.8	26
23	Mapping the structural determinants of presynaptic neurotoxicity of snake venom phospholipases A2. <i>Toxicon</i> , 2008 , 51, 1520-9	2.8	21
22	Secreted phospholipases A are differentially expressed and epigenetically silenced in human breast cancer cells. <i>Biochemical and Biophysical Research Communications</i> , 2014 , 445, 230-5	3.4	19
21	Harmful at non-cytotoxic concentrations: SiO-SPIONs affect surfactant metabolism and lamellar body biogenesis in A549 human alveolar epithelial cells. <i>Nanotoxicology</i> , 2017 , 11, 419-429	5.3	18
20	Phenylalanine-24 in the N-terminal region of amodytoxins is important for both enzymic activity and presynaptic toxicity. <i>Biochemical Journal</i> , 2002 , 363, 353-8	3.8	18
19	Differential inhibition of LINE1 and LINE2 retrotransposition by vertebrate AID/APOBEC proteins. <i>Retrovirology</i> , 2013 , 10, 156	3.6	17
18	Calmodulin is a nonessential activator of secretory phospholipase A(2). <i>Biochemistry</i> , 2009 , 48, 11319-28	3.2	15
17	Lipid Droplets in Cancer. <i>Reviews of Physiology, Biochemistry and Pharmacology</i> , 2020 , 1	2.9	13
16	Structural basis of the significant calmodulin-induced increase in the enzymatic activity of secreted phospholipases A(2). <i>Protein Engineering, Design and Selection</i> , 2010 , 23, 479-87	1.9	11

15	Astrocytes in stress accumulate lipid droplets. <i>Glia</i> , 2021 , 69, 1540-1562	9	11
14	Neurotoxic phospholipase A2 toxicity model: An insight from mammalian cells. <i>Communicative and Integrative Biology</i> , 2013 , 6, e23600	1.7	10
13	Engineering recombinant <i>Lactococcus lactis</i> as a delivery vehicle for BPC-157 peptide with antioxidant activities. <i>Applied Microbiology and Biotechnology</i> , 2018 , 102, 10103-10117	5.7	10
12	A neurotoxic phospholipase A2 impairs yeast amphiphysin activity and reduces endocytosis. <i>PLoS ONE</i> , 2012 , 7, e40931	3.7	9
11	Recombinant human erythropoietin alters gene expression and stimulates proliferation of MCF-7 breast cancer cells. <i>Radiology and Oncology</i> , 2013 , 47, 382-9	3.8	8
10	A neurotoxic secretory phospholipase A2 induces apoptosis in motoneuron-like cells. <i>Annals of the New York Academy of Sciences</i> , 2009 , 1152, 215-24	6.5	8
9	Basic amino acid residues in the beta-structure region contribute, but not critically, to presynaptic neurotoxicity of ammodytoxin A. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2004 , 1702, 217-25	4	8
8	The neurotoxic secreted phospholipase A from the <i>Vipera a. ammodytes</i> venom targets cytochrome c oxidase in neuronal mitochondria. <i>Scientific Reports</i> , 2019 , 9, 283	4.9	7
7	Synergy between 15-lipoxygenase and secreted PLA promotes inflammation by formation of TLR4 agonists from extracellular vesicles. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 25679-25689	11.5	7
6	Phospholipase A2 group IIA is elevated in endometriomas but not in peritoneal fluid and serum of ovarian endometriosis patients. <i>Gynecological Endocrinology</i> , 2015 , 31, 214-8	2.4	6
5	Lipidomic data on lipid droplet triglyceride remodelling associated with protection of breast cancer cells from lipotoxic stress. <i>Data in Brief</i> , 2018 , 18, 234-240	1.2	6
4	Lipid Droplet Formation in HeLa Cervical Cancer Cells Depends on Cell Density and the Concentration of Exogenous Unsaturated Fatty Acids. <i>Acta Chimica Slovenica</i> , 2017 , 64, 549-554	1.9	5
3	Ammodytoxins efficiently release arachidonic acid and induce apoptosis in a motoneuronal cell line in an enzymatic activity-dependent manner. <i>NeuroToxicology</i> , 2013 , 35, 91-100	4.4	3
2	Disintegrins from the Venom of <i>Vipera ammodytes ammodytes</i> Efficiently Inhibit Migration of Breast Cancer Cells. <i>Acta Chimica Slovenica</i> , 2017 , 64, 555-559	1.9	3
1	Structure-function relationship studies of ammodytoxins and ammodytins by protein engineering. <i>Acta Chimica Slovenica</i> , 2011 , 58, 660-70	1.9	3