Martine Cadene

List of Publications by Year
in descending order

43	7,540	279487 23	276539 41
papers	citations	h-index	g-index

43	43	43	6410
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	X-ray structure of a voltage-dependent K+ channel. Nature, 2003, 423, 33-41.	13.7	1,781
2	X-ray structure of a ClC chloride channel at 3.0â€‰Ã… reveals the molecular basis of anion selectivity. Nature, 2002, 415, 287-294.	13.7	1,529
3	Crystal structure and mechanism of a calcium-gated potassium channel. Nature, 2002, 417, 515-522.	13.7	1,325
4	The open pore conformation of potassium channels. Nature, 2002, 417, 523-526.	13.7	1,160
5	Structure of the RCK Domain from the E. coli K+ Channel and Demonstration of Its Presence in the Human BK Channel. Neuron, 2001, 29, 593-601.	3.8	290
6	Crystal structure of a Kir3.1-prokaryotic Kir channel chimera. EMBO Journal, 2007, 26, 4005-4015.	3.5	281
7	A Robust, Detergent-Friendly Method for Mass Spectrometric Analysis of Integral Membrane Proteins. Analytical Chemistry, 2000, 72, 5655-5658.	3.2	164
8	Tyrosine sulfation of CCR5 N-terminal peptide by tyrosylprotein sulfotransferases 1 and 2 follows a discrete pattern and temporal sequence. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 11031-11036.	3.3	100
9	Early molecular events involved inPinus pinasterAit. somatic embryo development under reduced water availability: transcriptomic and proteomic analyses. Physiologia Plantarum, 2014, 152, 184-201.	2.6	81
10	In search of markers for somatic embryo maturation in hybrid larch (Larix Ã— eurolepis): global <scp>DNA</scp> methylation and proteomic analyses. Physiologia Plantarum, 2014, 150, 271-291.	2.6	70
11	Structural, Biochemical, and Functional Characterization of the Cyclic Nucleotide Binding Homology Domain from the Mouse EAG1 Potassium Channel. Journal of Molecular Biology, 2012, 423, 34-46.	2.0	52
12	Revealing Higher Order Protein Structure Using Mass Spectrometry. Journal of the American Society for Mass Spectrometry, 2016, 27, 952-965.	1.2	51
13	Cotyledonary somatic embryos of Pinus pinaster Ait. most closely resemble fresh, maturing cotyledonary zygotic embryos: biological, carbohydrate and proteomic analyses. Planta, 2014, 240, 1075-1095.	1.6	48
14	Inhibition of Neutrophil Serine Proteinases by Suramin. Journal of Biological Chemistry, 1997, 272, 9950-9955.	1.6	47
15	Demonstration of a two-step reaction mechanism for the inhibition of heparin-bound neutrophil elastase by .alpha.1-proteinase inhibitor. Biochemistry, 1993, 32, 9230-9235.	1.2	46
16	Instability of the Amyloidogenic Cystatin C Variant of Hereditary Cerebral Hemorrhage with Amyloidosis, Icelandic Type. Journal of Biological Chemistry, 1998, 273, 11806-11814.	1.6	41
17	New Selective Peptidyl Di(chlorophenyl) Phosphonate Esters for Visualizing and Blocking Neutrophil Proteinase 3 in Human Diseases. Journal of Biological Chemistry, 2014, 289, 31777-31791.	1.6	38
18	Hybrid and Complex Glycans Are Linked to the Conserved N-Glycosylation Site of the Third Eight-Cysteine Domain of LTBP-1 in Insect Cellsâ€. Biochemistry, 2000, 39, 1596-1603.	1.2	37

#	Article	IF	Citations
19	Influence of Low Molecular Mass Heparin on the Kinetics of Neutrophil Elastase Inhibition by Mucus Proteinase Inhibitor(â^—). Journal of Biological Chemistry, 1995, 270, 13204-13209.	1.6	36
20	Biophysical Analysis of the Endoplasmic Reticulum-Resident Chaperone/Heat Shock Protein gp96/GRP94 and Its Complex with Peptide Antigenâ€. Biochemistry, 2001, 40, 1483-1495.	1.2	33
21	Ligand Binding Study of Human PEBP1/RKIP: Interaction with Nucleotides and Raf-1 Peptides Evidenced by NMR and Mass Spectrometry. PLoS ONE, 2012, 7, e36187.	1.1	29
22	Initial Insights into Structure-Activity Relationships of Avian Defensins. Journal of Biological Chemistry, 2012, 287, 7746-7755.	1.6	27
23	Radiation-induced oxidative damage to the DNA-binding domain of the lactose repressor. Biochemical Journal, 2007, 403, 463-472.	1.7	24
24	The AMINO experiment: exposure of amino acids in the EXPOSE-R experiment on the International Space Station and in laboratory. International Journal of Astrobiology, 2015, 14, 89-97.	0.9	22
25	Inhibition of Neutrophil Cathepsin G by Oxidized Mucus Proteinase Inhibitor. Effect of Heparinâ€. Biochemistry, 1999, 38, 8451-8457.	1.2	21
26	MALDI Sample Preparation: the Ultra Thin Layer Method. Journal of Visualized Experiments, 2007, , 192.	0.2	21
27	A selective reversible azapeptide inhibitor of human neutrophil proteinase 3 derived from a high affinity FRET substrate. Biochemical Pharmacology, 2012, 83, 788-796.	2.0	21
28	Efficient Enzymatic Glycosylation of Peptides and Oligosaccharides from GalNAc and UTP. ChemBioChem, 2007, 8, 37-40.	1.3	20
29	Improved Accuracy of Low Affinity Proteinâ€“Ligand Equilibrium Dissociation Constants Directly Determined by Electrospray Ionization Mass Spectrometry. Journal of the American Society for Mass Spectrometry, 2012, 23, 908-922.	1.2	20
30	Discovery and characterisation of a novel toxin from Dendroaspis angusticeps, named Tx7335, that activates the potassium channel KcsA. Scientific Reports, 2016, 6, 23904.	1.6	19
31	Liquid Native MALDI Mass Spectrometry for the Detection of Protein-Protein Complexes. Journal of the American Society for Mass Spectrometry, 2018, 29, 1981-1994.	1.2	17
32	Mass spectrometry of full-length integral membrane proteins to define functionally relevant structural features. Methods, 2008, 46, 54-61.	1.9	15
33	Interaction Proteomics Suggests a New Role for the Tfs1 Protein in Yeast. Journal of Proteome Research, 2012, 11, 3211-3218.	1.8	14
34	Crystal structure of greglin, a novel nonâ€classical <scp>K</scp>azal inhibitor, in complex with subtilisin. FEBS Journal, 2012, 279, 4466-4478.	2.2	13
35	Mapping the Suramin-Binding Sites of Human Neutrophil Elastase:Â Investigation by Fluorescence Resonance Energy Transfer and Molecular Modelingâ€. Biochemistry, 1997, 36, 15624-15631.	1.2	12
36	Molecular Insights into the Mechanism of Calmodulin Inhibition of the EAG1 Potassium Channel. Structure, 2016, 24, 1742-1754.	1.6	11

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37	cAMP protein kinase phosphorylates the Mos1 transposase and regulates its activity: evidences from mass spectrometry and biochemical analyses. Nucleic Acids Research, 2014, 42, 1117-1128.	6.5	8
38	Thermodynamic Investigation of the Heparin-Mucus Proteinase Inhibitor Binding. Journal of the American Chemical Society, 1995, 117, 7882-7886.	6.6	7
39	Oxidation-sensitive Residues Mediate the DNA Bending Abilities of the Architectural MC1 Protein. Journal of Molecular Biology, 2008, 376, 120-130.	2.0	4
40	Human proteinase 3 resistance to inhibition extends to alphaâ€2 macroglobulin. FEBS Journal, 2020, 287, 4068-4081.	2.2	3
41	SSPaQ: A Subtractive Segmentation Approach for the Exhaustive Parallel Quantification of the Extent of Protein Modification at Every Possible Site. Journal of the American Society for Mass Spectrometry, 2016, 27, 1328-1343.	1.2	2
42	Structural and Biochemical Characterization of a Cyclic Nucleotide Binding Domain from the EAG Family. Biophysical Journal, 2012, 102, 330a.	0.2	0
43	Discovery and Characterization of a Novel Toxin from Dendroaspis Angusticeps, Named TX7335, with an Activating Effect on the Potassium Channel KscA. Biophysical Journal, 2013, 104, 122a.	0.2	0