Virginie Redeker

List of Publications by Year
in descending order

56 papers	2,627 citations	159358 30 h-index	189595 50 g-index
56 all docs	56 docs citations	56 times ranked	3303 citing authors

#	Article	IF	Citations
1	Ponericins, New Antibacterial and Insecticidal Peptides from the Venom of the Ant Pachycondyla goeldii. Journal of Biological Chemistry, 2001, 276, 17823-17829.	1.6	185
2	Î±â€synuclein assemblies sequester neuronal Î±3â€Na⁺/K⁺â€<scp>ATP</scp>ase and <scp>impair</scp> Na⁺ gradient. EMBO Journal, 2015, 34, 2408-2423.	3.5	177
3	Isolation and characterization of an extracellular haem-binding protein from Pseudomonas aeruginosa that shares function and sequence similarities with the Serratia marcescens HasA haemophore. Molecular Microbiology, 1998, 28, 1223-1234.	1.2	159
4	Stathmin Family Proteins Display Specific Molecular and Tubulin Binding Properties. Journal of Biological Chemistry, 2001, 276, 16146-16154.	1.6	158
5	Structure of tubulin C-terminal domain obtained by subtilisin treatment The major Î± and Î² tubulin isotypes from pig brain are glutamylated. FEBS Letters, 1992, 313, 185-192.	1.3	138
6	Plasmepsin II, an Acidic Hemoglobinase from thePlasmodium falciparum Food Vacuole, Is Active at Neutral pH on the Host Erythrocyte Membrane Skeleton. Journal of Biological Chemistry, 1999, 274, 14218-14223.	1.6	93
7	Glutamylation on Î±-Tubulin Is Not Essential but Affects the Assembly and Functions of a Subset of Microtubules in Tetrahymena thermophila. Eukaryotic Cell, 2008, 7, 1362-1372.	3.4	89
8	Mutations of Tubulin Glycylation Sites Reveal Cross-talk between the C Termini of Î±- and Î²-Tubulin and Affect the Ciliary Matrix in Tetrahymena. Journal of Biological Chemistry, 2005, 280, 596-606.	1.6	74
9	Molecular Interaction between the Chaperone Hsc70 and the N-terminal Flank of Huntingtin Exon 1 Modulates Aggregation. Journal of Biological Chemistry, 2015, 290, 2560-2576.	1.6	73
10	Tubulin Polyglycylation: Differential Posttranslational Modification of Dynamic Cytoplasmic and Stable Axonemal Microtubules inParamecium. Molecular Biology of the Cell, 1998, 9, 2655-2665.	0.9	71
11	Mass Spectrometry Analysis of C-Terminal Posttranslational Modifications of Tubulins. Methods in Cell Biology, 2010, 95, 77-103.	0.5	63
12	Combination of Peptide Profiling by Matrix-Assisted Laser Desorption/Ionization Time-of-Flight Mass Spectrometry and Immunodetection on Single Glands or Cells. Analytical Chemistry, 1998, 70, 1805-1811.	3.2	62
13	Evidence for phosphorylation and ubiquitinylation of the turnip yellow mosaic virus RNA-dependent RNA polymerase domain expressed in a baculovirusâ€“insect cell system. Biochemical Journal, 2000, 349, 417-425.	1.7	60
14	Differential Membrane Binding and Seeding of Distinct Î±-Synuclein Fibrillar Polymorphs. Biophysical Journal, 2020, 118, 1301-1320.	0.2	59
15	Posttranslational Modifications in the C-terminal Tail of Axonemal Tubulin from Sea Urchin Sperm. Journal of Biological Chemistry, 1996, 271, 9928-9933.	1.6	58
16	Posttranslational Modifications of the C-Terminus of Î±-Tubulin in Adult Rat Brain:Â Î±4 Is Glutamylated at Two Residuesâ€. Biochemistry, 1998, 37, 14838-14844.	1.2	57
17	Evidence for phosphorylation and ubiquitinylation of the turnip yellow mosaic virus RNA-dependent RNA polymerase domain expressed in a baculovirusâ€'insect cell system. Biochemical Journal, 2000, 349, 417.	1.7	56
18	Systematic Identification of Tubulin-interacting Fragments of the Microtubule-associated Protein Tau Leads to a Highly Efficient Promoter of Microtubule Assembly. Journal of Biological Chemistry, 2011, 286, 33358-33368.	1.6	56

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19	Structural Characterization of the Fibrillar Form of the Yeast Saccharomyces cerevisiae Prion Ure2p. Biochemistry, 2004, 43, 5022-5032.	1.2	54
20	Class I and IVa Î²-tubulin isotypes expressed in adult mouse brain are glutamylated. FEBS Letters, 1994, 353, 89-94.	1.3	51
21	Structural Characterization by Tandem Mass Spectrometry of the Posttranslational Polyglycylation of Tubulin. Biochemistry, 1999, 38, 3133-3139.	1.2	46
22	Phosphorylation of Viral RNA-dependent RNA Polymerase and Its Role in Replication of a Plus-strand RNA Virus. Journal of Biological Chemistry, 2006, 281, 21236-21249.	1.6	43
23	Evidence for new C-terminally truncated variants of Î±- and Î²-tubulins. Molecular Biology of the Cell, 2016, 27, 640-653.	0.9	43
24	Clustering of Tau fibrils impairs the synaptic composition of Î±3â€Na ⁺ /K ⁺ â€• <scp>ATP</scp> ase and <scp>AMPA</scp> receptors. EMBO Journal, 2019, 38, .	3.5	42
25	Identification of Protein Interfaces between Î±-Synuclein, the Principal Component of Lewy Bodies in Parkinson Disease, and the Molecular Chaperones Human Hsc70 and the Yeast Ssa1p. Journal of Biological Chemistry, 2012, 287, 32630-32639.	1.6	40
26	Probing the Native Structure of Stathmin and Its Interaction Domains with Tubulin. Journal of Biological Chemistry, 2000, 275, 6841-6849.	1.6	39
27	Biochemical and Spectroscopic Characterization of the Covalent Binding of Heme to Cytochromeb6â€. Biochemistry, 2004, 43, 3956-3968.	1.2	39
28	NMR studies of the C-terminal secretion signal of the haem-binding protein, HasA. FEBS Journal, 1999, 261, 562-568.	0.2	37
29	Functional interplay between Mediator and TFIIB in preinitiation complex assembly in relation to promoter architecture. Genes and Development, 2016, 30, 2119-2132.	2.7	35
30	TNF-Î± and Î±-synuclein fibrils differently regulate human astrocyte immune reactivity and impair mitochondrial respiration. Cell Reports, 2021, 34, 108895.	2.9	35
31	Mediator independently orchestrates multiple steps of preinitiation complex assemblyin vivo. Nucleic Acids Research, 2015, 43, 9214-9231.	6.5	34
32	N-terminal acetylation of ectopic recombinant proteins inEscherichia coli. FEBS Letters, 2002, 529, 341-345.	1.3	32
33	Cellular response of human neuroblastoma cells to Î±-synuclein fibrils, the main constituent of Lewy bodies. Biochimica Et Biophysica Acta - General Subjects, 2016, 1860, 8-19.	1.1	32
34	Sequencing Branched Peptides with CID/PSD MALDI-TOF in the Low-Picomole Range:Â Application to the Structural Study of the Posttranslational Polyglycylation of Tubulin. Analytical Chemistry, 1997, 69, 3979-3985.	3.2	30
35	Ubiquitylation Dynamics of the Clock Cell Proteome and TIMELESS during a Circadian Cycle. Cell Reports, 2018, 23, 2273-2282.	2.9	29
36	Structure of the Prion Ure2p in Protein Fibrils Assembled in Vitro. Journal of Biological Chemistry, 2005, 280, 37149-37158.	1.6	28

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37	Ca2+-Myristoyl Switch and Membrane Binding of Chemically Acylated Neurocalcins. Biochemistry, 2001, 40, 8152-8160.	1.2	26
38	Isolation, Structure, Synthesis, and Activity of a New Member of the Calcitonin Gene-related Peptide Family from Frog Skin and Molecular Cloning of Its Precursor. Journal of Biological Chemistry, 2000, 275, 5934-5940.	1.6	24
39	A Novel Bio-Orthogonal Cross-Linker for Improved Protein/Protein Interaction Analysis. Analytical Chemistry, 2015, 87, 1853-1860.	3.2	24
40	The differential solvent exposure of N-terminal residues provides â€œfingerprintsâ€•of alpha-synuclein fibrillar polymorphs. Journal of Biological Chemistry, 2021, 296, 100737.	1.6	22
41	Structure of the Câ€Terminal Tail of Îâ€Tubulin: Increase of Heterogeneity from Newborn to Adult. Journal of Neurochemistry, 1996, 67, 2104-2114.	2.1	21
42	Hydrogen/Deuterium Exchange Mass Spectrometric Analysis of Conformational Changes Accompanying the Assembly of the Yeast Prion Ure2p into Protein Fibrils. Journal of Molecular Biology, 2007, 369, 1113-1125.	2.0	21
43	Posttranslational Modification of Brain Tubulins from the Antarctic Fish Notothenia coriiceps:â€‰ Reduced C-Terminal Glutamylation Correlates with Efficient Microtubule Assembly at Low Temperature. Biochemistry, 2004, 43, 12265-12274.	1.2	19
44	Posttranslational modifications of axonemal tubulin. The Protein Journal, 1997, 16, 403-407.	1.1	18
45	A role for the proteasome in the turnover of <scp>S</scp>up35p and in [<scp>PSI</scp>⁺] prion propagation. Molecular Microbiology, 2014, 92, 507-528.	1.2	17
46	Identification of protein interfaces within the multiâ€aminoacylâ€<scp>tRNA</scp> synthetase complex: the case of lysylâ€<scp>tRNA</scp> synthetase and the scaffold protein p38. FEBS Open Bio, 2016, 6, 696-706.	1.0	12
47	Data in support of the identification of neuronal and astrocyte proteins interacting with extracellularly applied oligomeric and fibrillar Î±-synuclein assemblies by mass spectrometry. Data in Brief, 2016, 7, 221-228.	0.5	10
48	Interaction of the chaperones alpha B-crystallin and CHIP with fibrillar alpha-synuclein: Effects on internalization by cells and identification of interacting interfaces. Biochemical and Biophysical Research Communications, 2020, 527, 760-769.	1.0	8
49	A region within the Câ€terminal domain of Ure2p is shown to interact with the molecular chaperone Ssa1p by the use of crossâ€linkers and mass spectrometry. FEBS Journal, 2010, 277, 5112-5123.	2.2	7
50	Targeted Delivery of Amoxicillin to C. trachomatis by the Transferrin Iron Acquisition Pathway. PLoS ONE, 2016, 11, e0150031.	1.1	7
51	Structural mapping techniques distinguish the surfaces of fibrillar 1N3R and 1N4R human tau. Journal of Biological Chemistry, 2021, 297, 101252.	1.6	4
52	Qualitative and Quantitative Multiplexed Proteomic Analysis of Complex Yeast Protein Fractions That Modulate the Assembly of the Yeast Prion Sup35p. PLoS ONE, 2011, 6, e23659.	1.1	3
53	Polypeptides derived from Î±-Synuclein binding partners to prevent Î±-Synuclein fibrils interaction with and take-up by cells. PLoS ONE, 2020, 15, e0237328.	1.1	3
54	The 26S Proteasome Degrades the Soluble but Not the Fibrillar Form of the Yeast Prion Ure2p In Vitro. PLoS ONE, 2015, 10, e0131789.	1.1	3

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55	SAFER, an Analysis Method of Quantitative Proteomic Data, Reveals New Interactors of the C. elegans Autophagic Protein LGG-1. Journal of Proteome Research, 2016, 15, 1515-1523.	1.8	1
56	Posttranslational Glutamylation of Several Brain Tubulin Isotypes: Structure of the Polyglutamyl Side-Chain. , 1993, , 183-190.		0