Prisca Boisguerin

List of Publications by Year
in descending order

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Version: 2024-02-01

56 papers	1,839 citations	279487 23 h-index	276539 41 g-index
59 all docs	59 docs citations	59 times ranked	2548 citing authors

#	Article	IF	Citations
1	Delivery of therapeutic oligonucleotides with cell penetrating peptides. Advanced Drug Delivery Reviews, 2015, 87, 52-67.	6.6	217
2	Comparison of Cellular Uptake Using 22 CPPs in 4 Different Cell Lines. Bioconjugate Chemistry, 2008, 19, 2363-2374.	1.8	164
3	Quantification of PDZ Domain Specificity, Prediction of Ligand Affinity and Rational Design of Super-binding Peptides. Journal of Molecular Biology, 2004, 343, 703-718.	2.0	138
4	Computational Design of a PDZ Domain Peptide Inhibitor that Rescues CFTR Activity. PLoS Computational Biology, 2012, 8, e1002477.	1.5	105
5	The Relative Binding Affinities of PDZ Partners for CFTR: A Biochemical Basis for Efficient Endocytic Recycling. Biochemistry, 2008, 47, 10084-10098.	1.2	102
6	Cellular trafficking determines the exon skipping activity of Pip6a-PMO in mdx skeletal and cardiac muscle cells. Nucleic Acids Research, 2014, 42, 3207-3217.	6.5	82
7	An Improved Method for the Synthesis of Cellulose Membrane-Bound Peptides with Free C Termini Is Useful for PDZ Domain Binding Studies. Chemistry and Biology, 2004, 11, 449-459.	6.2	80
8	A Stabilizing Influence: CAL PDZ Inhibition Extends the Halfâ€Life of Î”F508â€CFTR. Angewandte Chemie - International Edition, 2010, 49, 9907-9911.	7.2	63
9	A retro-inverso cell-penetrating peptide for siRNA delivery. Journal of Nanobiotechnology, 2017, 15, 34.	4.2	55
10	Engineering Peptide Inhibitors To Overcome PDZ Binding Promiscuity. Angewandte Chemie - International Edition, 2010, 49, 9912-9916.	7.2	44
11	Discovery of Low-Molecular-Weight Ligands for the AF6 PDZ Domain. Angewandte Chemie - International Edition, 2006, 45, 3790-3795.	7.2	41
12	PEGylation rate influences peptide-based nanoparticles mediated siRNA delivery in vitro and in vivo. Journal of Controlled Release, 2017, 256, 79-91.	4.8	38
13	Systemic delivery of BH4 anti-apoptotic peptide using CPPs prevents cardiac ischemiaâ€“reperfusion injuries in vivo. Journal of Controlled Release, 2011, 156, 146-153.	4.8	37
14	Peptide-Based Nanoparticles to Rapidly and Efficiently â€œWrap â€™n Rollâ€•siRNA into Cells. Bioconjugate Chemistry, 2019, 30, 592-603.	1.8	37
15	Identification of Xin-repeat proteins as novel ligands of the SH3 domains of nebulin and nebulette and analysis of their interaction during myofibril formation and remodeling. Molecular Biology of the Cell, 2013, 24, 3215-3226.	0.9	35
16	Characterization of a Putative Phosphorylation Switch: Adaptation of SPOT Synthesis to Analyze PDZ Domain Regulation Mechanisms. ChemBioChem, 2007, 8, 2302-2307.	1.3	33
17	Stereochemical Preferences Modulate Affinity and Selectivity among Five PDZ Domains that Bind CFTR: Comparative Structural and Sequence Analyses. Structure, 2014, 22, 82-93.	1.6	32
18	CtpB Assembles a Gated Protease Tunnel Regulating Cell-Cell Signaling during Spore Formation in Bacillus subtilis. Cell, 2013, 155, 647-658.	13.5	31

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19	Optimisation of vectorisation property: A comparative study for a secondary amphipathic peptide. International Journal of Pharmaceutics, 2016, 509, 71-84.	2.6	31
20	Peptide-Based Nanoparticles for Therapeutic Nucleic Acid Delivery. Biomedicines, 2021, 9, 583.	1.4	31
21	Regulation of c-Src by binding to the PDZ domain of AF-6. EMBO Journal, 2007, 26, 2633-2644.	3.5	29
22	PIP30/FAM192A is a novel regulator of the nuclear proteasome activator PA28Î³. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E6477-E6486.	3.3	29
23	Optimization of peptide-plasmid DNA vectors formulation for gene delivery in cancer therapy exploring design of experiments. Colloids and Surfaces B: Biointerfaces, 2019, 183, 110417.	2.5	25
24	Deciphering the internalization mechanism of WRAP:siRNA nanoparticles. Biochimica Et Biophysica Acta - Biomembranes, 2020, 1862, 183252.	1.4	23
25	Sorting and pooling strategy: A novel tool to map a virus proteome for CD8 T-cell epitopes. Biopolymers, 2007, 88, 64-75.	1.2	19
26	Involvement of 14-3-3 protein post-translational modifications in Giardia duodenalis encystation. International Journal for Parasitology, 2010, 40, 201-213.	1.3	19
27	CPP-conjugated Anti-apoptotic Peptides as Therapeutic Tools of Ischemiareperfusion Injuries. Current Pharmaceutical Design, 2013, 19, 2970-2978.	0.9	19
28	Context Dependent Effects of Chimeric Peptide Morpholino Conjugates Contribute to Dystrophin Exon-skipping Efficiency. Molecular Therapy - Nucleic Acids, 2013, 2, e124.	2.3	18
29	Identification of a Linear Epitope in Sortilin That Partakes in Pro-neurotrophin Binding. Journal of Biological Chemistry, 2010, 285, 12210-12222.	1.6	16
30	RNase H-Assisted Imaging of Peroxynitrite in Living Cells with 5â€²-Boronic Acid Modified DNA. ACS Sensors, 2016, 1, 970-974.	4.0	16
31	Generation and Characterization of a Rat Monoclonal Antibody Specific for PCNA. Hybridoma, 2008, 27, 91-98.	0.5	14
32	Domain Interaction Footprint: a multi-classification approach to predict domainâ€“peptide interactions. Bioinformatics, 2009, 25, 1632-1639.	1.8	14
33	A novel therapeutic peptide targeting myocardial reperfusion injury. Cardiovascular Research, 2020, 116, 633-644.	1.8	14
34	Therapeutic Peptides to Treat Myocardial Ischemia-Reperfusion Injury. Frontiers in Cardiovascular Medicine, 2022, 9, 792885.	1.1	14
35	Synthesis of cleavable peptides with authentic C-termini: an application for fully automated SPOT synthesis. Tetrahedron Letters, 2007, 48, 361-364.	0.7	13
36	How to evaluate the cellular uptake of CPPs with fluorescence techniques: Dissecting methodological pitfalls associated to tryptophan-rich peptides. Biochimica Et Biophysica Acta - Biomembranes, 2019, 1861, 1533-1545.	1.4	13

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37	Evaluating the coupling efficiency of phosphorylated amino acids for SPOT synthesis. Journal of Peptide Science, 2008, 14, 1309-1314.	0.8	12
38	Using hydroxymethylphenoxy derivates with the SPOT technology to generate peptides with authentic C-termini. Bioorganic and Medicinal Chemistry Letters, 2008, 18, 4038-4043.	1.0	11
39	Chemical Biology Approaches Reveal Conserved Features of a Câ€Terminal Processing PDZ Protease. ChemBioChem, 2012, 13, 402-408.	1.3	11
40	Development of Peptide-Based Nanoparticles for Mitochondrial Plasmid DNA Delivery. Polymers, 2021, 13, 1836.	2.0	11
41	Identification of IgE Binding to Apiâ€‰gâ€‰1â€Derived Peptides. ChemBioChem, 2010, 11, 2283-2293.	1.3	9
42	Cardiac mGluR1 metabotropic receptors in cardioprotection. Cardiovascular Research, 2017, 113, 644-655.	1.8	9
43	In Vitro Assays to Assess Exon Skipping in Duchenne Muscular Dystrophy. Methods in Molecular Biology, 2015, 1324, 317-329.	0.4	8
44	The agony of choice: how to find a suitable CPP for cargo delivery. Journal of Peptide Science, 2012, 18, 293-301.	0.8	7
45	Anti-apoptotic peptide for long term cardioprotection in a mouse model of myocardial ischemiaâ€“reperfusion injury. Scientific Reports, 2020, 10, 18116.	1.6	7
46	In Vivo Follow-Up of Gene Inhibition in Solid Tumors Using Peptide-Based Nanoparticles for siRNA Delivery. Pharmaceutics, 2021, 13, 749.	2.0	7
47	Cell-Penetrating Peptides-Based Strategies for the Delivery of Splice Redirecting Antisense Oligonucleotides. Methods in Molecular Biology, 2011, 764, 75-89.	0.4	7
48	WRAP-based nanoparticles for siRNA delivery: a SAR study and a comparison with lipid-based transfection reagents. Journal of Nanobiotechnology, 2021, 19, 236.	4.2	6
49	Peptides vs. Polymers: Searching for the Most Efficient Delivery System for Mitochondrial Gene Therapy. Pharmaceutics, 2022, 14, 757.	2.0	6
50	Highway to Cell: Selection of the Best Cell-Penetrating Peptide to Internalize the CFTR-Stabilizing iCAL36 Peptide. Pharmaceutics, 2022, 14, 808.	2.0	6
51	Epitope Mapping of Antibodies against S-Tagged Fusion Proteins and Molecular Weight Markers. Bioscience, Biotechnology and Biochemistry, 2008, 72, 346-351.	0.6	5
52	Optimization of the process of inverted peptides (PIPEPLUS) to screen PDZ domain ligands. Bioorganic and Medicinal Chemistry Letters, 2017, 27, 3111-3116.	1.0	4
53	Fluorescent Leakage Assay to Investigate Membrane Destabilization by Cell-Penetrating Peptide. Journal of Visualized Experiments, 2020, , .	0.2	3
54	Design of Protein-Protein Interactions with a Novel Ensemble-Based Scoring Algorithm. Lecture Notes in Computer Science, 2011, , 361-376.	1.0	2

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55	An allosteric HTRA1-calpain 2 complex with restricted activation profile. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2113520119.	3.3	2
56	Tips and Tools to Understand Direct Membrane Translocation of siRNA-Loaded WRAP-Based Nanoparticles. Methods in Molecular Biology, 2022, 2383, 475-490.	0.4	1