

Pedro Serrano

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43
papers

771
citations

15
h-index

26
g-index

49
ext. papers

858
ext. citations

4.9
avg, IF

3.38
L-index

#	Paper	IF	Citations
43	Proteomics analysis unravels the functional repertoire of coronavirus nonstructural protein 3. <i>Journal of Virology</i> , 2008 , 82, 5279-94	6.6	141
42	Nuclear magnetic resonance structure of the N-terminal domain of nonstructural protein 3 from the severe acute respiratory syndrome coronavirus. <i>Journal of Virology</i> , 2007 , 81, 12049-60	6.6	61
41	Nuclear magnetic resonance structure of the nucleic acid-binding domain of severe acute respiratory syndrome coronavirus nonstructural protein 3. <i>Journal of Virology</i> , 2009 , 83, 12998-3008	6.6	54
40	The J-UNIO protocol for automated protein structure determination by NMR in solution. <i>Journal of Biomolecular NMR</i> , 2012 , 53, 341-54	3	50
39	Nuclear magnetic resonance structure shows that the severe acute respiratory syndrome coronavirus-unique domain contains a macrodomain fold. <i>Journal of Virology</i> , 2009 , 83, 1823-36	6.6	44
38	Regio- and stereoselective synthesis of aminoinositols and 1,2-diaminoinositols from conduritol B epoxide. <i>Journal of Organic Chemistry</i> , 2005 , 70, 7829-40	4.2	38
37	New aminocyclitols as modulators of glucosylceramide metabolism. <i>Organic and Biomolecular Chemistry</i> , 2005 , 3, 1195-201	3.9	30
36	An unexpected chelation-controlled Yb(OTf) ₃ -catalyzed aminolysis and azidolysis of cyclitol epoxides. <i>Journal of Organic Chemistry</i> , 2002 , 67, 7165-7	4.2	28
35	NMR characterization of membrane protein-detergent micelle solutions by use of microcoil equipment. <i>Journal of the American Chemical Society</i> , 2009 , 131, 18450-6	16.4	23
34	Directional Phosphorylation and Nuclear Transport of the Splicing Factor SRSF1 Is Regulated by an RNA Recognition Motif. <i>Journal of Molecular Biology</i> , 2016 , 428, 2430-2445	6.5	22
33	Combinatorial approach to N-substituted aminocyclitol libraries by solution-phase parallel synthesis and preliminary evaluation as glucocerebrosidase inhibitors. <i>ACS Combinatorial Science</i> , 2007 , 9, 43-52		21
32	UHM-ULM interactions in the RBM39-U2AF65 splicing-factor complex. <i>Acta Crystallographica Section D: Structural Biology</i> , 2016 , 72, 497-511	5.5	21
31	APSY-NMR for protein backbone assignment in high-throughput structural biology. <i>Journal of Biomolecular NMR</i> , 2015 , 61, 47-53	3	19
30	Comparison of NMR and crystal structures highlights conformational isomerism in protein active sites. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2010 , 66, 1393-405		18
29	NMR structures of β -proteobacterial ATPase-regulating β -subunits. <i>Journal of Molecular Biology</i> , 2014 , 426, 2547-53	6.5	15
28	Sequential nearest-neighbor effects on computed ¹³ C α chemical shifts. <i>Journal of Biomolecular NMR</i> , 2010 , 48, 23-30	3	15
27	NMR-profiles of protein solutions. <i>Biopolymers</i> , 2013 , 99, 825-31	2.2	14

26	NMR structure of the protein NP_247299.1: comparison with the crystal structure. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2010 , 66, 1367-80		13
25	Comparison of NMR and crystal structures for the proteins TM1112 and TM1367. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2010 , 66, 1381-92		13
24	Molecular interactions connecting the function of the serine-arginine-rich protein SRSF1 to protein phosphatase 1. <i>Journal of Biological Chemistry</i> , 2018 , 293, 16751-16760	5.4	13
23	Nuclear Magnetic Resonance Structure of a Novel Globular Domain in RBM10 Containing OCRE, the Octamer Repeat Sequence Motif. <i>Structure</i> , 2016 , 24, 158-164	5.2	12
22	Parallel synthesis and yeast growth inhibition screening of succinamic acid libraries. <i>ACS Combinatorial Science</i> , 2007 , 9, 635-43		12
21	On the regio- and stereoselective synthesis of aminocyclitols from cyclitol epoxides: the effect of Li as a chelating agent. <i>Chemistry - A European Journal</i> , 2005 , 11, 4465-72	4.8	12
20	Micro-coil NMR to monitor optimization of the reconstitution conditions for the integral membrane protein OmpW in detergent micelles. <i>Journal of Biomolecular NMR</i> , 2012 , 54, 129-33	3	9
19	Translational diffusion measurements by microcoil NMR in aqueous solutions of the Fos-10 detergent-solubilized membrane protein OmpX. <i>Journal of Physical Chemistry B</i> , 2012 , 116, 6775-80	3.4	9
18	Dlx5 Homeodomain:DNA Complex: Structure, Binding and Effect of Mutations Related to Split Hand and Foot Malformation Syndrome. <i>Journal of Molecular Biology</i> , 2016 , 428, 1130-1141	6.5	8
17	The acidic domain is a unique structural feature of the splicing factor SYNCRIP. <i>Protein Science</i> , 2016 , 25, 1545-50	6.3	7
16	Splicing Site Recognition by Synergy of Three Domains in Splicing Factor RBM10. <i>Biochemistry</i> , 2018 , 57, 1563-1567	3.2	5
15	NMR structure of the <i>Bordetella bronchiseptica</i> protein NP_888769.1 establishes a new phage-related protein family PF13554. <i>Protein Science</i> , 2011 , 20, 1137-44	6.3	5
14	Development of non-peptide ligands of growth factor receptor-bound protein 2-SRC homology 2 domain using molecular modeling and NMR spectroscopy. <i>Journal of Medicinal Chemistry</i> , 2011 , 54, 1096-1100	8.3	5
13	NMR in structural genomics to increase structural coverage of the protein universe: Delivered by Prof. Kurt Wüthrich on 7 July 2013 at the 38th FEBS Congress in St. Petersburg, Russia. <i>FEBS Journal</i> , 2016 , 283, 3870-3881	5.7	5
12	NMR structure determination of the protein NP_344798.1 as the first representative of Pfam PF06042. <i>Journal of Biomolecular NMR</i> , 2015 , 61, 83-7	3	4
11	Structural representative of the protein family PF14466 has a new fold and establishes links with the C2 and PLAT domains from the widely distant Pfams PF00168 and PF01477. <i>Protein Science</i> , 2013 , 22, 1000-7	6.3	4
10	NMR assignment of the nonstructural protein nsp3(1066-1181) from SARS-CoV. <i>Biomolecular NMR Assignments</i> , 2008 , 2, 135-8	0.7	4
9	Non-Uniform Sampling and J-UNIO Automation for Efficient Protein NMR Structure Determination. <i>Chemistry - A European Journal</i> , 2015 , 21, 12363-9	4.8	3

8	NMR assignment of the domain 513-651 from the SARS-CoV nonstructural protein nsp3. <i>Biomolecular NMR Assignments</i> , 2007 , 1, 191-4	0.7	3
7	J-UNIO protocol used for NMR structure determination of the 206-residue protein NP_346487.1 from <i>Streptococcus pneumoniae</i> TIGR4. <i>Journal of Biomolecular NMR</i> , 2015 , 61, 65-72	3	2
6	Cofactor-induced reversible folding of Flavodoxin-4 from <i>Lactobacillus acidophilus</i> . <i>Protein Science</i> , 2015 , 24, 1600-8	6.3	2
5	An unexpected access to 5-epi-cyclophellitol: a new cyclitol member. <i>Tetrahedron: Asymmetry</i> , 2007 , 18, 1971-1974		2
4	Regio- and Stereoselective Synthesis of Aminoinositols and 1,2-Diaminoinositols from Conduritol B Epoxide.. <i>Journal of Organic Chemistry</i> , 2006 , 71, 448-448	4.2	2
3	NMR assignment of the protein nsp3a from SARS-CoV. <i>Journal of Biomolecular NMR</i> , 2006 , 36 Suppl 1, 45	3	2
2	NMR reveals structural rearrangements associated to substrate insertion in nucleotide-adding enzymes. <i>Protein Science</i> , 2016 , 25, 917-25	6.3	1
1	Dynamic Local Polymorphisms in the Gbx1 Homeodomain Induced by DNA Binding. <i>Structure</i> , 2016 , 24, 1372-1379	5.2	0