

Pedro Serrano

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Proteomics Analysis Unravels the Functional Repertoire of Coronavirus Nonstructural Protein 3. <i>Journal of Virology</i> , 2008, 82, 5279-5294.	1.5	167
2	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, 12049-12060.	1.5	75
3	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, 12998-13008.	1.5	63
4	The J-UNIO protocol for automated protein structure determination by NMR in solution. <i>Journal of Biomolecular NMR</i> , 2012, 53, 341-354.	1.6	57
5	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, 1823-1836.	1.5	50
6	Regio- and Stereoselective Synthesis of Aminoinositols and 1,2-Diaminoinositols from Conduritol B Epoxide. <i>Journal of Organic Chemistry</i> , 2005, 70, 7829-7840.	1.7	40
7	UHM ² -ULM interactions in the RBM39 ² -U2AF65 splicing-factor complex. <i>Acta Crystallographica Section D: Structural Biology</i> , 2016, 72, 497-511.	1.1	36
8	New aminocyclitols as modulators of glucosylceramide metabolism. <i>Organic and Biomolecular Chemistry</i> , 2005, 3, 1195-1201.	1.5	32
9	An Unexpected Chelation-Controlled Yb(OTf) ₃ -Catalyzed Aminolysis and Azidolysis of Cyclitol Epoxides. <i>Journal of Organic Chemistry</i> , 2002, 67, 7165-7167.	1.7	31
10	NMR Characterization of Membrane Protein ² Detergent Micelle Solutions by Use of Microcoil Equipment. <i>Journal of the American Chemical Society</i> , 2009, 131, 18450-18456.	6.6	27
11	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.	2.0	27
12	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.	3.3	22
13	APSY-NMR for protein backbone assignment in high-throughput structural biology. <i>Journal of Biomolecular NMR</i> , 2015, 61, 47-53.	1.6	22
14	Molecular interactions connecting the function of the serine-arginine ² -rich protein SRSF1 to protein phosphatase 1. <i>Journal of Biological Chemistry</i> , 2018, 293, 16751-16760.	1.6	21
15	Comparison of NMR and crystal structures highlights conformational isomerism in protein active sites. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2010, 66, 1393-1405.	0.7	18
16	NMR Structures of $\hat{\pm}$ -Proteobacterial ATPase-Regulating $\hat{\pi}$ -Subunits. <i>Journal of Molecular Biology</i> , 2014, 426, 2547-2553.	2.0	18
17	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.	1.6	18
18	NMR ² profiles of protein solutions. <i>Biopolymers</i> , 2013, 99, 825-831.	1.2	17

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19	Sequential nearest-neighbor effects on computed ^{13}C chemical shifts. <i>Journal of Biomolecular NMR</i> , 2010, 48, 23-30.	1.6	15
20	Parallel Synthesis and Yeast Growth Inhibition Screening of Succinamic Acid Libraries. <i>ACS Combinatorial Science</i> , 2007, 9, 635-643.	3.3	14
21	Comparison of NMR and crystal structures for the proteins TM1112 and TM1367. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2010, 66, 1381-1392.	0.7	14
22	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, 4465-4472.	1.7	13
23	NMR structure of the protein NP_247299.1: comparison with the crystal structure. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2010, 66, 1367-1380.	0.7	13
24	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, 129-133.	1.6	11
25	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, 6775-6780.	1.2	10
26	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.	2.0	10
27	The acidic domain is a unique structural feature of the splicing factor SYNCRIP. <i>Protein Science</i> , 2016, 25, 1545-1550.	3.1	9
28	Splicing Site Recognition by Synergy of Three Domains in Splicing Factor RBM10. <i>Biochemistry</i> , 2018, 57, 1563-1567.	1.2	8
29	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.	2.9	6
30	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, 1137-1144.	3.1	5
31	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, 1000-1007.	3.1	5
32	$\langle\text{scp}\rangle\text{NMR}\langle/\text{scp}\rangle$ in structural genomics to increase structural coverage of the protein universe. <i>FEBS Journal</i> , 2016, 283, 3870-3881.	2.2	5
33	NMR assignment of the domain 513-651 from the SARS-CoV nonstructural protein nsp3. <i>Biomolecular NMR Assignments</i> , 2007, 1, 191-194.	0.4	4
34	NMR assignment of the nonstructural protein nsp3(1066-1181) from SARS-CoV. <i>Biomolecular NMR Assignments</i> , 2008, 2, 135-138.	0.4	4
35	NMR structure determination of the protein NP_344798.1 as the first representative of Pfam PF06042. <i>Journal of Biomolecular NMR</i> , 2015, 61, 83-87.	1.6	4
36	Non-Uniform Sampling and UNIO Automation for Efficient Protein NMR Structure Determination. <i>Chemistry - A European Journal</i> , 2015, 21, 12363-12369.	1.7	3

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37	NMR assignment of the protein nsp3a from SARS-CoV. <i>Journal of Biomolecular NMR</i> , 2006, 36, 45-45.	1.6	2
38	An unexpected access to 5-epi-cyclophellitol: a new cyclitol member. <i>Tetrahedron: Asymmetry</i> , 2007, 18, 1971-1974.	1.8	2
39	Cofactor-induced reversible folding of <i>F</i> from <i>L</i> of <i>actobacillus acidophilus</i> . <i>Protein Science</i> , 2015, 24, 1600-1608.	3.1	2
40	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.	1.6	2
41	Dynamic Local Polymorphisms in the Gbx1 Homeodomain Induced by DNA Binding. <i>Structure</i> , 2016, 24, 1372-1379.	1.6	2
42	NMR reveals structural rearrangements associated to substrate insertion in nucleotide-adding enzymes. <i>Protein Science</i> , 2016, 25, 917-925.	3.1	1
43	Nuclear Magnetic Resonance Structure of a Novel Globular Domain in RBM10 Containing OCRE, the Octamer Repeat Sequence Motif. , 2021, , 105-111.		0