Javier Oroz

List of Publications by Year in descending order

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25 papers	767 citations	687220 13 h-index	677027 22 g-index
32 all docs	32 docs citations	32 times ranked	1132 citing authors

#	Article	IF	Citations
1	Mapping interactions with the chaperone network reveals factors that protect against tau aggregation. Nature Structural and Molecular Biology, 2018, 25, 384-393.	3.6	119
2	On the remarkable mechanostability of scaffoldins and the mechanical clamp motif. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 13791-13796.	3.3	116
3	ASC Pyrin Domain Self-associates and Binds NLRP3 Protein Using Equivalent Binding Interfaces. Journal of Biological Chemistry, 2016, 291, 19487-19501.	1.6	71
4	Structure and pro-toxic mechanism of the human Hsp90/PPIase/Tau complex. Nature Communications, 2018, 9, 4532.	5.8	68
5	Common Features at the Start of the Neurodegeneration Cascade. PLoS Biology, 2012, 10, e1001335.	2.6	60
6	Nanomechanics of the Cadherin Ectodomain. Journal of Biological Chemistry, 2011, 286, 9405-9418.	1.6	45
7	Mechanistic basis for the recognition of a misfolded protein by the molecular chaperone Hsp90. Nature Structural and Molecular Biology, 2017, 24, 407-413.	3.6	44
8	Unequivocal Single-Molecule Force Spectroscopy of Proteins by AFM Using pFS Vectors. Biophysical Journal, 2012, 102, 682-690.	0.2	30
9	Mechanical Properties of Î²-Catenin Revealed by Single-Molecule Experiments. Biophysical Journal, 2012, 103, 1744-1752.	0.2	28
10	Protein Nanomechanics â€" as Studied by AFM Single-Molecule Force Spectroscopy. , 2006, , 163-245.		25
11	Quasi-simultaneous imaging/pulling analysis of single polyprotein molecules by atomic force microscopy. Review of Scientific Instruments, 2007, 78, 113707.	0.6	22
12	Mechanistic Insights into the Role of Molecular Chaperones in Protein Misfolding Diseases: From Molecular Recognition to Amyloid Disassembly. International Journal of Molecular Sciences, 2020, 21, 9186.	1.8	20
13	Dynamic Aha1 coâ€chaperone binding to human Hsp90. Protein Science, 2019, 28, 1545-1551.	3.1	19
14	Structure of Monomeric Transthyretin Carrying the Clinically Important T119M Mutation. Angewandte Chemie - International Edition, 2016, 55, 16168-16171.	7.2	15
15	Molecular basis of the interaction of Hsp90 with its coâ€chaperone Hop. Protein Science, 2020, 29, 2422-2432.	3.1	15
16	Nanomechanics of tip-link cadherins. Scientific Reports, 2019, 9, 13306.	1.6	14
17	Do polyproline II helix associations modulate biomolecular condensates?. FEBS Open Bio, 2021, 11, 2390-2399.	1.0	12
18	Structural transitions in Orb2 prion-like domain relevant for functional aggregation in memory consolidation. Journal of Biological Chemistry, 2020, 295, 18122-18133.	1.6	12

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19	The Y9P Variant of the Titin I27 Module: Structural Determinants of Its Revisited Nanomechanics. Structure, 2016, 24, 606-616.	1.6	10
20	Unequivocal Single-Molecule Force Spectroscopy of Intrinsically Disordered Proteins. Methods in Molecular Biology, 2012, 896, 71-87.	0.4	7
21	Conformational Priming of RepA-WH1 for Functional Amyloid Conversion Detected by NMR Spectroscopy. Structure, 2020, 28, 336-347.e4.	1.6	6
22	RNA binding proteins: Diversity from microsurgeons to cowboys. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2019, 1862, 194398.	0.9	3
23	A ring-like model for ASC self-association via the CARD domain. Inflammasome, 2014, 1, .	0.6	1
24	The Nanomechanics of Neurotoxic Proteins Reveals Common Features at the Start of the Neurodegeneration Cascade. Biophysical Journal, 2012, 102, 633a.	0.2	0
25	Struktur eines monomeren Transthyretin mit der klinisch wichtigen T119Mâ€Mutation. Angewandte Chemie, 2016, 128, 16402-16405.	1.6	0