Nicola Salvi

List of Publications by Year
in descending order

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46	1,577	279487 23	315357 38
papers	citations	h-index	g-index

55	55	55	1921
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Intrinsically Disordered Tardigrade Proteins Selfâ€Assemble into Fibrous Gels in Response to Environmental Stress. Angewandte Chemie - International Edition, 2022, 61, .	7.2	28
2	Intrinsically Disordered Tardigrade Proteins Selfâ€Assemble into Fibrous Gels in Response to Environmental Stress. Angewandte Chemie, 2022, 134, e202109961.	1.6	2
3	The intrinsically disordered SARS-CoV-2 nucleoprotein in dynamic complex with its viral partner nsp3a. Science Advances, 2022, 8, eabm4034.	4.7	50
4	Visualizing protein breathing motions associated with aromatic ring flipping. Nature, 2022, 602, 695-700.	13.7	26
5	NMR Provides Unique Insight into the Functional Dynamics and Interactions of Intrinsically Disordered Proteins. Chemical Reviews, 2022, 122, 9331-9356.	23.0	51
6	1H, 13C and 15N backbone chemical shift assignments of SARS-CoV-2 nsp3a. Biomolecular NMR Assignments, 2021, 15, 173-176.	0.4	5
7	1H, 13C and 15N Backbone chemical shift assignments of the n-terminal and central intrinsically disordered domains of SARS-CoV-2 nucleoprotein. Biomolecular NMR Assignments, 2021, 15, 255-260.	0.4	17
8	Large-Scale Recombinant Production of the SARS-CoV-2 Proteome for High-Throughput and Structural Biology Applications. Frontiers in Molecular Biosciences, 2021, 8, 653148.	1.6	29
9	Molecular basis of host-adaptation interactions between influenza virus polymerase PB2 subunit and ANP32A. Nature Communications, 2020, 11, 3656.	5.8	43
10	Measles virus nucleo- and phosphoproteins form liquid-like phase-separated compartments that promote nucleocapsid assembly. Science Advances, 2020, 6, eaaz7095.	4.7	148
11	Solvent-dependent segmental dynamics in intrinsically disordered proteins. Science Advances, 2019, 5, eaax2348.	4.7	50
12	A Unified Description of Intrinsically Disordered Protein Dynamics under Physiological Conditions Using NMR Spectroscopy. Journal of the American Chemical Society, 2019, 141, 17817-17829.	6.6	55
13	Ensemble descriptions of IDPs and IDRs: Integrating simulation and experiment. , 2019, , 37-64.		1
14	Applications of Hyperpolarisation and NMR Long-Lived States in Drug Screening. Annual Reports on NMR Spectroscopy, 2019, 96, 1-33.	0.7	3
15	Deciphering the Dynamic Interaction Profile of an Intrinsically Disordered Protein by NMR Exchange Spectroscopy. Journal of the American Chemical Society, 2018, 140, 1148-1158.	6.6	64
16	Conformational dynamics in crystals reveal the molecular bases for D76N beta-2 microglobulin aggregation propensity. Nature Communications, 2018, 9, 1658.	5.8	53
17	Probing Protein Dynamics Using Multifield Variable Temperature NMR Relaxation and Molecular Dynamics Simulation. Journal of Physical Chemistry B, 2018, 122, 9697-9702.	1.2	15
18	Characterization of intrinsically disordered proteins and their dynamic complexes: From in vitro to cell-like environments. Progress in Nuclear Magnetic Resonance Spectroscopy, 2018, 109, 79-100.	3.9	67

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19	Dynamic Descriptions of Highly Flexible Molecules from NMR Dipolar Couplings: Physical Basis and Limitations. Journal of the American Chemical Society, 2017, 139, 5011-5014.	6.6	13
20	Analytical Description of NMR Relaxation Highlights Correlated Dynamics in Intrinsically Disordered Proteins. Angewandte Chemie, 2017, 129, 14208-14212.	1.6	4
21	Analytical Description of NMR Relaxation Highlights Correlated Dynamics in Intrinsically Disordered Proteins. Angewandte Chemie - International Edition, 2017, 56, 14020-14024.	7.2	50
22	InnenrÃ¼cktitelbild: Analytical Description of NMR Relaxation Highlights Correlated Dynamics in Intrinsically Disordered Proteins (Angew. Chem. 45/2017). Angewandte Chemie, 2017, 129, 14507-14507.	1.6	0
23	Atomic resolution conformational dynamics of intrinsically disordered proteins from NMR spin relaxation. Progress in Nuclear Magnetic Resonance Spectroscopy, 2017, 102-103, 43-60.	3.9	43
24	The Role of Dynamics and Allostery in the Inhibition of the eIF4E/eIF4G Translation Initiation Factor Complex. Angewandte Chemie, 2016, 128, 7292-7295.	1.6	1
25	The Role of Dynamics and Allostery in the Inhibition of the eIF4E/eIF4G Translation Initiation Factor Complex. Angewandte Chemie - International Edition, 2016, 55, 7176-7179.	7.2	14
26	Identification of Dynamic Modes in an Intrinsically Disordered Protein Using Temperature-Dependent NMR Relaxation. Journal of the American Chemical Society, 2016, 138, 6240-6251.	6.6	90
27	Multi-Timescale Dynamics in Intrinsically Disordered Proteins from NMR Relaxation and Molecular Simulation. Journal of Physical Chemistry Letters, 2016, 7, 2483-2489.	2.1	88
28	Cross-correlated relaxation measurements under adiabatic sweeps: determination of local order in proteins. Journal of Biomolecular NMR, 2015, 63, 353-365.	1.6	6
29	Distribution of Pico- and Nanosecond Motions in Disordered Proteins from Nuclear Spin Relaxation. Biophysical Journal, 2015, 109, 988-999.	0.2	77
30	The membrane anchor of the transcriptional activator SREBP is characterized by intrinsic conformational flexibility. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 12390-12395.	3.3	14
31	Large-Scale Conformational Dynamics Control H5N1 Influenza Polymerase PB2 Binding to Importin Î±. Journal of the American Chemical Society, 2015, 137, 15122-15134.	6.6	49
32	Theoretical tools for the design of NMR relaxation dispersion pulse sequences. Progress in Nuclear Magnetic Resonance Spectroscopy, 2015, 88-89, 105-115.	3.9	2
33	Challenges in preparing, preserving and detecting para-water in bulk: overcoming proton exchange and other hurdles. Physical Chemistry Chemical Physics, 2015, 17, 26819-26827.	1.3	29
34	Structure of the eukaryotic translation initiation factor eIF4E in complex with 4EGI-1 reveals an allosteric mechanism for dissociating eIF4G. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E3187-95.	3.3	72
35	Solid-state carbon-13 NMR and computational characterization of the N719 ruthenium sensitizer adsorbed on TiO2 nanoparticles. Dalton Transactions, 2014, 43, 6389.	1.6	4
36	Drug Screening Boosted by Hyperpolarized Longâ€Lived States in NMR. ChemMedChem, 2014, 9, 2509-2515.	1.6	63

#	Article	IF	Citations
37	Experimental Results. Springer Theses, 2014, , 65-89.	0.0	0
38	Analytical Models for Relaxation Dispersion Experiments. Springer Theses, 2014, , 33-53.	0.0	0
39	Theoretical Principles. Springer Theses, 2014, , 9-31.	0.0	0
40	Dynamic Nuclear Polarization and Other Magnetic Ideas at EPFL. Chimia, 2012, 66, 734.	0.3	3
41	Time Scales of Slow Motions in Ubiquitin Explored by Heteronuclear Double Resonance. Journal of the American Chemical Society, 2012, 134, 2481-2484.	6.6	30
42	Boosting the Sensitivity of Ligandâ€“Protein Screening by NMR of Long-Lived States. Journal of the American Chemical Society, 2012, 134, 11076-11079.	6.6	75
43	Extending Timescales and Narrowing Linewidths in NMR. Chimia, 2011, 65, 652.	0.3	0
44	Control of Cross Relaxation of Multipleâ€Quantum Coherences Induced by Fast Chemical Exchange under Heteronuclear Doubleâ€Resonance Irradiation. ChemPhysChem, 2011, 12, 333-341.	1.0	8
45	On the Dewarâ€“Chattâ€“Duncanson Model for Catalytic Gold(I) Complexes. Chemistry - A European Journal, 2010, 16, 7231-7240.	1.7	91
46	Ion pairing in NHC gold(I) olefin complexes: A combined experimental/theoretical study. Journal of Organometallic Chemistry, 2010, 695, 2679-2686.	0.8	42