Sigrid Milles

List of Publications by Year
in descending order

25 papers	1,609 citations	361413 20 h-index	580821 25 g-index
25 all docs	25 docs citations	25 times ranked	2108 citing authors

#	Article	IF	Citations
1	Plasticity of an Ultrafast Interaction between Nucleoporins and Nuclear Transport Receptors. Cell, 2015, 163, 734-745.	28.9	255
2	Decoupling of size and shape fluctuations in heteropolymeric sequences reconciles discrepancies in SAXS vs. FRET measurements. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E6342-E6351.	7.1	195
3	Measles virus nucleo- and phosphoproteins form liquid-like phase-separated compartments that promote nucleocapsid assembly. Science Advances, 2020, 6, eaaz7095.	10.3	148
4	Click Strategies for Single-Molecule Protein Fluorescence. Journal of the American Chemical Society, 2012, 134, 5187-5195.	13.7	106
5	Single Molecule Study of the Intrinsically Disordered FG-Repeat Nucleoporin 153. Biophysical Journal, 2011, 101, 1710-1719.	0.5	97
6	Facilitated aggregation of FG nucleoporins under molecular crowding conditions. EMBO Reports, 2013, 14, 178-183.	4.5	78
7	Kirkwoodâ€“Buff Approach Rescues Overcollapse of a Disordered Protein in Canonical Protein Force Fields. Journal of Physical Chemistry B, 2015, 119, 7975-7984.	2.6	70
8	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.	7.5	67
9	Deciphering the Dynamic Interaction Profile of an Intrinsically Disordered Protein by NMR Exchange Spectroscopy. Journal of the American Chemical Society, 2018, 140, 1148-1158.	13.7	64
10	A Unified Description of Intrinsically Disordered Protein Dynamics under Physiological Conditions Using NMR Spectroscopy. Journal of the American Chemical Society, 2019, 141, 17817-17829.	13.7	55
11	NMR Provides Unique Insight into the Functional Dynamics and Interactions of Intrinsically Disordered Proteins. Chemical Reviews, 2022, 122, 9331-9356.	47.7	51
12	Large-Scale Conformational Dynamics Control H5N1 Influenza Polymerase PB2 Binding to Importin Î±. Journal of the American Chemical Society, 2015, 137, 15122-15134.	13.7	49
13	An ultraweak interaction in the intrinsically disordered replication machinery is essential for measles virus function. Science Advances, 2018, 4, eaat7778.	10.3	49
14	Molecular basis of host-adaptation interactions between influenza virus polymerase PB2 subunit and ANP32A. Nature Communications, 2020, 11, 3656.	12.8	43
15	Selfâ€Assembly of Measles Virus Nucleocapsidâ€like Particles: Kinetics and RNA Sequence Dependence. Angewandte Chemie - International Edition, 2016, 55, 9356-9360.	13.8	41
16	Mapping Multivalency and Differential Affinities within Large Intrinsically Disordered Protein Complexes with Segmental Motion Analysis. Angewandte Chemie - International Edition, 2014, 53, 7364-7367.	13.8	37
17	Structure, dynamics and phase separation of measles virus RNA replication machinery. Current Opinion in Virology, 2020, 41, 59-67.	5.4	36
18	Assembly and cryo-EM structures of RNA-specific measles virus nucleocapsids provide mechanistic insight into paramyxoviral replication. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 4256-4264.	7.1	35

#	Article	IF	Citations
19	Intramolecular three-colour single pair FRET of intrinsically disordered proteins with increased dynamic range. Molecular BioSystems, 2012, 8, 2531.	2.9	32
20	Quantitative Description of Intrinsically Disordered Proteins Using Single-Molecule FRET, NMR, and SAXS. Journal of the American Chemical Society, 2021, 143, 20109-20121.	13.7	29
21	Investigating the Role of Large-Scale Domain Dynamics in Protein-Protein Interactions. Frontiers in Molecular Biosciences, 2016, 3, 54.	3.5	23
22	The Nucleoprotein and Phosphoprotein of Measles Virus. Frontiers in Microbiology, 2019, 10, 1832.	3.5	19
23	What precisionâ€proteinâ€tuning and nanoâ€resolved single molecule sciences can do for each other. BioEssays, 2013, 35, 65-74.	2.5	16
24	Detektion von Mehrbindigkeit und differenziellen AffinitÃten in groÃŸen, intrinsisch ungeordneten Proteinen mithilfe von Segmentbewegungsanalyse. Angewandte Chemie, 2014, 126, 7492-7496.	2.0	7
25	Synergies of Single Molecule Fluorescence and NMR for the Study of Intrinsically Disordered Proteins. Biomolecules, 2022, 12, 27.	4.0	7