

Sigrid Milles

List of Publications by Year in descending order

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Version: 2024-02-01

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	Synergies of Single Molecule Fluorescence and NMR for the Study of Intrinsically Disordered Proteins. <i>Biomolecules</i> , 2022, 12, 27.	4.0	7
2	NMR Provides Unique Insight into the Functional Dynamics and Interactions of Intrinsically Disordered Proteins. <i>Chemical Reviews</i> , 2022, 122, 9331-9356.	47.7	51
3	Quantitative Description of Intrinsically Disordered Proteins Using Single-Molecule FRET, NMR, and SAXS. <i>Journal of the American Chemical Society</i> , 2021, 143, 20109-20121.	13.7	29
4	Molecular basis of host-adaptation interactions between influenza virus polymerase PB2 subunit and ANP32A. <i>Nature Communications</i> , 2020, 11, 3656.	12.8	43
5	Structure, dynamics and phase separation of measles virus RNA replication machinery. <i>Current Opinion in Virology</i> , 2020, 41, 59-67.	5.4	36
6	Measles virus nucleo- and phosphoproteins form liquid-like phase-separated compartments that promote nucleocapsid assembly. <i>Science Advances</i> , 2020, 6, eaaz7095.	10.3	148
7	A Unified Description of Intrinsically Disordered Protein Dynamics under Physiological Conditions Using NMR Spectroscopy. <i>Journal of the American Chemical Society</i> , 2019, 141, 17817-17829.	13.7	55
8	The Nucleoprotein and Phosphoprotein of Measles Virus. <i>Frontiers in Microbiology</i> , 2019, 10, 1832.	3.5	19
9	Assembly and cryo-EM structures of RNA-specific measles virus nucleocapsids provide mechanistic insight into paramyxoviral replication. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 4256-4264.	7.1	35
10	Deciphering the Dynamic Interaction Profile of an Intrinsically Disordered Protein by NMR Exchange Spectroscopy. <i>Journal of the American Chemical Society</i> , 2018, 140, 1148-1158.	13.7	64
11	Characterization of intrinsically disordered proteins and their dynamic complexes: From in vitro to cell-like environments. <i>Progress in Nuclear Magnetic Resonance Spectroscopy</i> , 2018, 109, 79-100.	7.5	67
12	An ultraweak interaction in the intrinsically disordered replication machinery is essential for measles virus function. <i>Science Advances</i> , 2018, 4, eaat7778.	10.3	49
13	Decoupling of size and shape fluctuations in heteropolymeric sequences reconciles discrepancies in SAXS vs. FRET measurements. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E6342-E6351.	7.1	195
14	Investigating the Role of Large-Scale Domain Dynamics in Protein-Protein Interactions. <i>Frontiers in Molecular Biosciences</i> , 2016, 3, 54.	3.5	23
15	Self-Assembly of Measles Virus Nucleocapsid-Like Particles: Kinetics and RNA Sequence Dependence. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 9356-9360.	13.8	41
16	Kirkwood's Buff Approach Rescues Overcollapse of a Disordered Protein in Canonical Protein Force Fields. <i>Journal of Physical Chemistry B</i> , 2015, 119, 7975-7984.	2.6	70
17	Plasticity of an Ultrafast Interaction between Nucleoporins and Nuclear Transport Receptors. <i>Cell</i> , 2015, 163, 734-745.	28.9	255
18	Large-Scale Conformational Dynamics Control H5N1 Influenza Polymerase PB2 Binding to Importin β . <i>Journal of the American Chemical Society</i> , 2015, 137, 15122-15134.	13.7	49

#	ARTICLE	IF	CITATIONS
19	Detektion von Mehrbindigkeit und differenziellen Affinitäten in großen, intrinsisch ungeordneten Proteinen mithilfe von Segmentbewegungsanalyse. <i>Angewandte Chemie</i> , 2014, 126, 7492-7496.	2.0	7
20	Mapping Multivalency and Differential Affinities within Large Intrinsically Disordered Protein Complexes with Segmental Motion Analysis. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 7364-7367.	13.8	37
21	What precision-protein-tuning and nano-resolved single molecule sciences can do for each other. <i>BioEssays</i> , 2013, 35, 65-74.	2.5	16
22	Facilitated aggregation of FG nucleoporins under molecular crowding conditions. <i>EMBO Reports</i> , 2013, 14, 178-183.	4.5	78
23	Intramolecular three-colour single pair FRET of intrinsically disordered proteins with increased dynamic range. <i>Molecular BioSystems</i> , 2012, 8, 2531.	2.9	32
24	Click Strategies for Single-Molecule Protein Fluorescence. <i>Journal of the American Chemical Society</i> , 2012, 134, 5187-5195.	13.7	106
25	Single Molecule Study of the Intrinsically Disordered FG-Repeat Nucleoporin 153. <i>Biophysical Journal</i> , 2011, 101, 1710-1719.	0.5	97