

# Remco Sprangers

## List of Publications by Year in descending order

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Version: 2024-02-01

23  
papers

973  
citations

516710

16  
h-index

610901

24  
g-index

26  
all docs

26  
docs citations

26  
times ranked

1190  
citing authors

#	ARTICLE	IF	CITATIONS
1	High-pressure NMR measurements provide insights into the different structural states that proteins can adopt. <i>Biophysical Journal</i> , 2021, 120, 749-751.	0.5	2
2	Molecular basis for the allosteric activation mechanism of the heterodimeric imidazole glycerol phosphate synthase complex. <i>Nature Communications</i> , 2021, 12, 2748.	12.8	22
3	Structural basis for the activation of the DEAD-box RNA helicase DbpA by the nascent ribosome. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	12
4	Methyl TROSY spectroscopy: A versatile NMR approach to study challenging biological systems. <i>Progress in Nuclear Magnetic Resonance Spectroscopy</i> , 2020, 116, 56-84.	7.5	96
5	Molecular basis of the selective processing of short mRNA substrates by the DcpS mRNA decapping enzyme. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 19237-19244.	7.1	11
6	A suite of 19F based relaxation dispersion experiments to assess biomolecular motions. <i>Journal of Biomolecular NMR</i> , 2020, 74, 753-766.	2.8	18
7	Dcp2: an mRNA decapping enzyme that adopts many different shapes and forms. <i>Current Opinion in Structural Biology</i> , 2019, 59, 115-123.	5.7	22
8	Atomic-level insight into mRNA processing bodies by combining solid and solution-state NMR spectroscopy. <i>Nature Communications</i> , 2019, 10, 4536.	12.8	27
9	A synergistic network of interactions promotes the formation of in vitro processing bodies and protects mRNA against decapping. <i>Nucleic Acids Research</i> , 2017, 45, 6911-6922.	14.5	74
10	Myosin-1E interacts with FAK proline-rich region 1 to induce fibronectin-type matrix. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 3933-3938.	7.1	18
11	The Rrp4 exosome complex recruits and channels substrate RNA by a unique mechanism. <i>Nature Chemical Biology</i> , 2017, 13, 522-528.	8.0	18
12	Solid-state NMR <sup>15</sup> N-(C)- <sup>1</sup> H and <sup>15</sup> N-(C)- <sup>13</sup> C 3D/4D Correlation Experiments for Resonance Assignment of Large Proteins. <i>ChemPhysChem</i> , 2017, 18, 2697-2703.	2.1	43
13	Changes in conformational equilibria regulate the activity of the Dcp2 decapping enzyme. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 6034-6039.	7.1	45
14	A general method for rapid and cost-efficient large-scale production of 5' capped RNA. <i>Rna</i> , 2016, 22, 1454-1466.	3.5	70
15	The <i>S. pombe</i> mRNA decapping complex recruits cofactors and an Edc1-like activator through a single dynamic surface. <i>Rna</i> , 2016, 22, 1360-1372.	3.5	26
16	Modulations of DNA Contacts by Linker Histones and Post-translational Modifications Determine the Mobility and Modifiability of Nucleosomal H3 Tails. <i>Molecular Cell</i> , 2016, 61, 247-259.	9.7	120
17	The oligomeric architecture of the archaeal exosome is important for processive and efficient RNA degradation. <i>Nucleic Acids Research</i> , 2016, 44, 2962-2973.	14.5	20
18	Methyl groups as NMR probes for biomolecular interactions. <i>Current Opinion in Structural Biology</i> , 2015, 35, 60-67.	5.7	70

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19	The Sum Is More Than The Parts: Crystal And Solution Data Reveal That The PIDDosome Core Complex Is a Dynamic Assembly. <i>Journal of Molecular Biology</i> , 2015, 427, 715-717.	4.2	1
20	An excess of catalytically required motions inhibits the scavenger decapping enzyme. <i>Nature Chemical Biology</i> , 2015, 11, 697-704.	8.0	28
21	In Vitro Reconstitution of a Cellular Phase Transition Process that Involves the mRNA Decapping Machinery. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 7354-7359.	13.8	96
22	The Archaeal Exosome: Identification and Quantification of Site-Specific Motions That Correlate with Cap and RNA Binding. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 8312-8316.	13.8	28
23	The structural basis of Edc3- and Scd6-mediated activation of the Dcp1:Dcp2 mRNA decapping complex. <i>EMBO Journal</i> , 2012, 31, 279-290.	7.8	103