

# Galia T Debelouchina

## List of Publications by Year in descending order

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Version: 2024-02-01

30  
papers

2,808  
citations

304743

22  
h-index

454955

30  
g-index

34  
all docs

34  
docs citations

34  
times ranked

3436  
citing authors

#	ARTICLE	IF	CITATIONS
1	DNP-enhanced solid-state NMR spectroscopy of chromatin polymers. <i>Journal of Magnetic Resonance Open</i> , 2022, 10-11, 100057.	1.1	10
2	A Chemical Biology Primer for NMR Spectroscopists. <i>Journal of Magnetic Resonance Open</i> , 2022, 10-11, 100044.	1.1	4
3	<i>In Situ</i> Assembly of Transmembrane Proteins from Expressed and Synthetic Components in Giant Unilamellar Vesicles. <i>ACS Chemical Biology</i> , 2022, 17, 1015-1021.	3.4	1
4	Real-time observation of structure and dynamics during the liquid-to-solid transition of FUS LC. <i>Biophysical Journal</i> , 2021, 120, 1276-1287.	0.5	33
5	Emerging Contributions of Solid-State NMR Spectroscopy to Chromatin Structural Biology. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 741581.	3.5	9
6	Targetable Tetrazine-Based Dynamic Nuclear Polarization Agents for Biological Systems. <i>ChemBioChem</i> , 2020, 21, 1315-1319.	2.6	21
7	Fused Split Inteins: Tools for Introducing Multiple Protein Modifications. <i>Methods in Molecular Biology</i> , 2020, 2133, 163-181.	0.9	3
8	Identification of a DNA N6-Adenine Methyltransferase Complex and Its Impact on Chromatin Organization. <i>Cell</i> , 2019, 177, 1781-1796.e25.	28.9	81
9	Heterochromatin Protein HP1± Gelation Dynamics Revealed by Solid-State NMR Spectroscopy. <i>Angewandte Chemie</i> , 2019, 131, 6366-6371.	2.0	10
10	Heterochromatin Protein HP1± Gelation Dynamics Revealed by Solid-State NMR Spectroscopy. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 6300-6305.	13.8	44
11	Functional crosstalk between histone H2B ubiquitylation and H2A modifications and variants. <i>Nature Communications</i> , 2018, 9, 1394.	12.8	59
12	The structure of a $\beta$ 2-microglobulin fibril suggests a molecular basis for its amyloid polymorphism. <i>Nature Communications</i> , 2018, 9, 4517.	12.8	124
13	A molecular engineering toolbox for the structural biologist. <i>Quarterly Reviews of Biophysics</i> , 2017, 50, e7.	5.7	42
14	Combining DNP NMR with segmental and specific labeling to study a yeast prion protein strain that is not parallel in-register. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 3642-3647.	7.1	63
15	Ubiquitin utilizes an acidic surface patch to alter chromatin structure. <i>Nature Chemical Biology</i> , 2017, 13, 105-110.	8.0	79
16	Increasing AIP Macrocycle Size Reveals Key Features of <i>agr</i> Activation in <i>Staphylococcus aureus</i> . <i>ChemBioChem</i> , 2015, 16, 1093-1100.	2.6	32
17	Distinct Prion Strains Are Defined by Amyloid Core Structure and Chaperone Binding Site Dynamics. <i>Chemistry and Biology</i> , 2014, 21, 295-305.	6.0	68
18	Secondary Structure in the Core of Amyloid Fibrils Formed from Human $\beta$ 2 <sub>m</sub> and its Truncated Variant $\beta$ 2 <sup>N6</sup> . <i>Journal of the American Chemical Society</i> , 2014, 136, 6313-6325.	13.7	40

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19	Structure of the branched intermediate in protein splicing. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 8422-8427.	7.1	26
20	Atomic structure and hierarchical assembly of a cross- $\beta^2$ amyloid fibril. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 5468-5473.	7.1	479
21	Higher Order Amyloid Fibril Structure by MAS NMR and DNP Spectroscopy. Journal of the American Chemical Society, 2013, 135, 19237-19247.	13.7	82
22	Expanding the Repertoire of Amyloid Polymorphs by Co-polymerization of Related Protein Precursors. Journal of Biological Chemistry, 2013, 288, 7327-7337.	3.4	36
23	Intermolecular Structure Determination of Amyloid Fibrils with Magic-Angle Spinning and Dynamic Nuclear Polarization NMR. Journal of the American Chemical Society, 2011, 133, 13967-13974.	13.7	160
24	Quantum mechanical theory of dynamic nuclear polarization in solid dielectrics. Journal of Chemical Physics, 2011, 134, 125105.	3.0	133
25	Intermolecular Alignment in $\beta^2$ -Microglobulin Amyloid Fibrils. Journal of the American Chemical Society, 2010, 132, 17077-17079.	13.7	69
26	Magic Angle Spinning NMR Analysis of $\beta^2$ -Microglobulin Amyloid Fibrils in Two Distinct Morphologies. Journal of the American Chemical Society, 2010, 132, 10414-10423.	13.7	79
27	<i>Z</i> -Selective and Syndioselective Ring-Opening Metathesis Polymerization (ROMP) Initiated by Monoaryloxidepyrrolide (MAP) Catalysts. Macromolecules, 2010, 43, 7515-7522.	4.8	110
28	Dynamic nuclear polarization-enhanced solid-state NMR spectroscopy of GNNQQNY nanocrystals and amyloid fibrils. Physical Chemistry Chemical Physics, 2010, 12, 5911.	2.8	114
29	Synthesis of a BDPA-TEMPO Biradical. Organic Letters, 2009, 11, 1871-1874.	4.6	61
30	Dynamic nuclear polarization at high magnetic fields. Journal of Chemical Physics, 2008, 128, 052211.	3.0	734