

# Agnes Noy

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7503480/publications.pdf>

Version: 2024-02-01

30  
papers

1,982  
citations

516215

16  
h-index

500791

28  
g-index

39  
all docs

39  
docs citations

39  
times ranked

2196  
citing authors

#	ARTICLE	IF	CITATIONS
1	Rolling circle RNA synthesis catalyzed by RNA. <i>ELife</i> , 2022, 11, .	2.8	25
2	Exploring the structural dynamics of DNA using fluorescence polarization microscopy and optical tweezers. <i>Biophysical Journal</i> , 2022, 121, 277a-278a.	0.2	0
3	Base-pair resolution analysis of the effect of supercoiling on DNA flexibility and major groove recognition by triplex-forming oligonucleotides. <i>Nature Communications</i> , 2021, 12, 1053.	5.8	73
4	Elucidating the Role of Topological Constraint on the Structure of Overstretched DNA Using Fluorescence Polarization Microscopy. <i>Journal of Physical Chemistry B</i> , 2021, 125, 8351-8361.	1.2	4
5	Integration host factor bends and bridges DNA in a multiplicity of binding modes with varying specificity. <i>Nucleic Acids Research</i> , 2021, 49, 8684-8698.	6.5	18
6	Sequence-dependent structural properties of B-DNA: what have we learned in 40 years?. <i>Biophysical Reviews</i> , 2021, 13, 995-1005.	1.5	13
7	Diversification of DNA-Binding Specificity by Permissive and Specificity-Switching Mutations in the ParB/Noc Protein Family. <i>Cell Reports</i> , 2020, 32, 107928.	2.9	21
8	SerraNA: a program to determine nucleic acids elasticity from simulation data. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 19254-19266.	1.3	26
9	The emergence of sequence-dependent structural motifs in stretched, torsionally constrained DNA. <i>Nucleic Acids Research</i> , 2020, 48, 1748-1763.	6.5	21
10	Interference between Triplex and Protein Binding to Distal Sites on Supercoiled DNA. <i>Biophysical Journal</i> , 2017, 112, 523-531.	0.2	10
11	Protein/DNA interactions in complex DNA topologies: expect the unexpected. <i>Biophysical Reviews</i> , 2016, 8, 145-155.	1.5	9
12	Protein/DNA interactions in complex DNA topologies: expect the unexpected. <i>Biophysical Reviews</i> , 2016, 8, 233-243.	1.5	37
13	Long-range correlations in the mechanics of small DNA circles under topological stress revealed by multi-scale simulation. <i>Nucleic Acids Research</i> , 2016, 44, gkw815.	6.5	54
14	Atomistic Molecular Dynamics Simulations of DNA Minicircle Topoisomers: A Practical Guide to Setup, Performance, and Analysis. <i>Methods in Molecular Biology</i> , 2016, 1431, 195-219.	0.4	3
15	Parmbsc1: a refined force field for DNA simulations. <i>Nature Methods</i> , 2016, 13, 55-58.	9.0	790
16	Comparison of Molecular Contours for Measuring Writhe in Atomistic Supercoiled DNA. <i>Journal of Chemical Theory and Computation</i> , 2015, 11, 2768-2775.	2.3	22
17	Noy and Golestanian Reply. <i>Physical Review Letters</i> , 2013, 111, 179802.	2.9	2
18	Small DNA circles as probes of DNA topology. <i>Biochemical Society Transactions</i> , 2013, 41, 565-570.	1.6	25

#	ARTICLE	IF	CITATIONS
19	Length Scale Dependence of DNA Mechanical Properties. <i>Physical Review Letters</i> , 2012, 109, 228101.	2.9	88
20	The Chirality of DNA: Elasticity Cross-Terms at Base-Pair Level Including A-Tracts and the Influence of Ionic Strength. <i>Journal of Physical Chemistry B</i> , 2010, 114, 8022-8031.	1.2	18
21	The impact of monovalent ion force field model in nucleic acids simulations. <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 10596.	1.3	62
22	Recent advances in the study of nucleic acid flexibility by molecular dynamics. <i>Current Opinion in Structural Biology</i> , 2008, 18, 185-193.	2.6	113
23	Theoretical Analysis of Antisense Duplexes: Determinants of the RNase H Susceptibility. <i>Journal of the American Chemical Society</i> , 2008, 130, 3486-3496.	6.6	30
24	Theoretical study of large conformational transitions in DNA: the B to A conformational change in water and ethanol/water. <i>Nucleic Acids Research</i> , 2007, 35, 3330-3338.	6.5	71
25	Data Mining of Molecular Dynamics Trajectories of Nucleic Acids. <i>Journal of Biomolecular Structure and Dynamics</i> , 2006, 23, 447-455.	2.0	12
26	Structure, Recognition Properties, and Flexibility of the DNA-RNA Hybrid. <i>Journal of the American Chemical Society</i> , 2005, 127, 4910-4920.	6.6	64
27	The relative flexibility of B-DNA and A-RNA duplexes: database analysis. <i>Nucleic Acids Research</i> , 2004, 32, 6144-6151.	6.5	119
28	Theoretical Methods for the Simulation of Nucleic Acids. <i>ChemInform</i> , 2004, 35, no.	0.1	0
29	Relative Flexibility of DNA and RNA: a Molecular Dynamics Study. <i>Journal of Molecular Biology</i> , 2004, 343, 627-638.	2.0	94
30	Theoretical methods for the simulation of nucleic acids. <i>Chemical Society Reviews</i> , 2003, 32, 350-364.	18.7	150