

# Yaroslav Ryabov

## List of Publications by Year in descending order

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12  
papers

412  
citations

1163117

8  
h-index

1199594

12  
g-index

12  
all docs

12  
docs citations

12  
times ranked

519  
citing authors

#	ARTICLE	IF	CITATIONS
1	Coupling between overall rotational diffusion and domain motions in proteins and its effect on dielectric spectra. <i>Proteins: Structure, Function and Bioinformatics</i> , 2015, 83, 1571-1581.	2.6	2
2	Coupling between internal dynamics and rotational diffusion in the presence of exchange between discrete molecular conformations. <i>Journal of Chemical Physics</i> , 2012, 136, 034108.	3.0	23
3	Impact of <sup>15</sup> N <i>R</i> <sub>2</sub> / <i>R</i> <sub>1</sub> Relaxation Restraints on Molecular Size, Shape, and Bond Vector Orientation for NMR Protein Structure Determination with Sparse Distance Restraints. <i>Journal of the American Chemical Society</i> , 2011, 133, 6154-6157.	13.7	8
4	Direct Use of <sup>15</sup> N Relaxation Rates as Experimental Restraints on Molecular Shape and Orientation for Docking of Protein~Protein Complexes. <i>Journal of the American Chemical Society</i> , 2010, 132, 5987-5989.	13.7	16
5	Using the Experimentally Determined Components of the Overall Rotational Diffusion Tensor To Restrain Molecular Shape and Size in NMR Structure Determination of Globular Proteins and Protein~Protein Complexes. <i>Journal of the American Chemical Society</i> , 2009, 131, 9522-9531.	13.7	27
6	Spontaneous symmetry breaking in genome evolution. <i>Nucleic Acids Research</i> , 2008, 36, 2756-2763.	14.5	2
7	Structural Assembly of Multidomain Proteins and Protein Complexes Guided by the Overall Rotational Diffusion Tensor. <i>Journal of the American Chemical Society</i> , 2007, 129, 7894-7902.	13.7	38
8	Introducing color into stacking gels makes sample loading easy. <i>Analytical Biochemistry</i> , 2007, 366, 111-112.	2.4	2
9	Interdomain mobility in di-ubiquitin revealed by NMR. <i>Proteins: Structure, Function and Bioinformatics</i> , 2006, 63, 787-796.	2.6	82
10	Analysis of interdomain dynamics in a two-domain protein using residual dipolar couplings together with <sup>15</sup> N relaxation data. <i>Magnetic Resonance in Chemistry</i> , 2006, 44, S143-S151.	1.9	19
11	Non-Debye dielectric relaxation in complex materials. <i>Chemical Physics</i> , 2002, 284, 139-168.	1.9	134
12	Mechanism of the cooperative relaxation in microemulsions near the percolation threshold. <i>Physical Review E</i> , 1996, 54, 5420-5427.	2.1	59