

# Martin Muschol

## List of Publications by Year in descending order

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35  
papers

2,263  
citations

394286

19  
h-index

454834

30  
g-index

35  
all docs

35  
docs citations

35  
times ranked

2813  
citing authors

#	ARTICLE	IF	CITATIONS
1	An in-membrane NMR spectroscopic approach probing native ligand-GPCR interaction. <i>International Journal of Biological Macromolecules</i> , 2022, 206, 911-916.	3.6	6
2	Protofibril-Fibril Interactions Inhibit Amyloid Fibril Assembly by Obstructing Secondary Nucleation. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 3016-3021.	7.2	21
3	Protofibril-Fibril Interactions Inhibit Amyloid Fibril Assembly by Obstructing Secondary Nucleation. <i>Angewandte Chemie</i> , 2021, 133, 3053-3058.	1.6	2
4	Origin, toxicity and characteristics of two amyloid oligomer polymorphs. <i>RSC Chemical Biology</i> , 2021, 2, 1631-1642.	2.0	5
5	Kinetic Transition in Amyloid Assembly as a Screening Assay for Oligomer-Selective Dyes. <i>Biomolecules</i> , 2019, 9, 539.	1.8	12
6	Mechanism of Fibril and Soluble Oligomer Formation in Amyloid Beta and Hen Egg White Lysozyme Proteins. <i>Journal of Physical Chemistry B</i> , 2019, 123, 5678-5689.	1.2	20
7	Mechanisms of Protein Fibril Formation in Amyloid Beta and Lysozyme Proteins. <i>Biophysical Journal</i> , 2019, 116, 195a-196a.	0.2	0
8	Origin of metastable oligomers and their effects on amyloid fibril self-assembly. <i>Chemical Science</i> , 2018, 9, 5937-5948.	3.7	76
9	Carbonyl-based blue autofluorescence of proteins and amino acids. <i>PLoS ONE</i> , 2017, 12, e0176983.	1.1	62
10	Monoubiquitination Inhibits the Actin Bundling Activity of Fascin. <i>Journal of Biological Chemistry</i> , 2016, 291, 27323-27333.	1.6	34
11	Self-Replication of Transthyretin Amyloid Aggregates from Native Tetramers in vitro. <i>Biophysical Journal</i> , 2015, 108, 45a.	0.2	0
12	Collapsed state of polyglutamic acid results in amyloid spherulite formation. <i>Intrinsically Disordered Proteins</i> , 2015, 3, e1056905.	1.9	6
13	Stable, Metastable, and Kinetically Trapped Amyloid Aggregate Phases. <i>Biomacromolecules</i> , 2015, 16, 326-335.	2.6	75
14	What's in a Sequence? Distinct Structures and Dynamics of Two Disordered Calcitonin Family Peptides. <i>Biophysical Journal</i> , 2015, 109, 852-853.	0.2	0
15	Multiple Pathways of Lysozyme Aggregation. , 2014, , 389-396.		2
16	Amyloid Oligomers and Protofibrils, but Not Filaments, Self-Replicate from Native Lysozyme. <i>Journal of the American Chemical Society</i> , 2014, 136, 8947-8956.	6.6	31
17	Frequency and temperature dependence of poly( <i>N</i> -isopropylacrylamide) gel rheology. <i>Journal of Applied Polymer Science</i> , 2013, 127, 1527-1537.	1.3	3
18	Structural fingerprints and their evolution during oligomeric vs. oligomer-free amyloid fibril growth. <i>Journal of Chemical Physics</i> , 2013, 139, 121901.	1.2	24

#	ARTICLE	IF	CITATIONS
19	Accelerated neurodegeneration through chaperone-mediated oligomerization of tau. <i>Journal of Clinical Investigation</i> , 2013, 123, 4158-4169.	3.9	246
20	Understanding the structural ensembles of a highly extended disordered protein. <i>Molecular BioSystems</i> , 2012, 8, 308-319.	2.9	37
21	Characterizing Gold Nanorods in Solution Using Depolarized Dynamic Light Scattering. <i>Journal of Physical Chemistry C</i> , 2012, 116, 8128-8137.	1.5	67
22	Does Thioflavin-T Detect Oligomers Formed During Amyloid Fibril Assembly. <i>Biophysical Journal</i> , 2011, 100, 538a.	0.2	7
23	Spatial Extent of Charge Repulsion Regulates Assembly Pathways for Lysozyme Amyloid Fibrils. <i>PLoS ONE</i> , 2011, 6, e18171.	1.1	73
24	Phosphorylation Dynamics Regulate Hsp27-Mediated Rescue of Neuronal Plasticity Deficits in Tau Transgenic Mice. <i>Journal of Neuroscience</i> , 2010, 30, 15374-15382.	1.7	105
25	Potassium Accumulation Dominates Short-Term Depression of Neurohypophysial Excitability. <i>Biophysical Journal</i> , 2010, 98, 502a.	0.2	0
26	Lysozyme as diffusion tracer for measuring aqueous solution viscosity. <i>Journal of Colloid and Interface Science</i> , 2009, 339, 243-248.	5.0	13
27	In Situ Observation of Antibiotic Mediated Concurrent Growth of Two Distinct Homogeneous Populations of Gold Nanoparticles in Solution Phase. <i>Journal of Physical Chemistry C</i> , 2009, 113, 3478-3486.	1.5	12
28	Amyloid Protofibrils of Lysozyme Nucleate and Grow Via Oligomer Fusion. <i>Biophysical Journal</i> , 2009, 96, 3781-3790.	0.2	126
29	Hydration and Hydrodynamic Interactions of Lysozyme: Effects of Chaotropic versus Kosmotropic Ions. <i>Biophysical Journal</i> , 2009, 97, 590-598.	0.2	141
30	Pre-assembled clusters distort crystal nucleation kinetics in supersaturated lysozyme solutions. <i>Biophysical Chemistry</i> , 2007, 129, 224-234.	1.5	57
31	Activity-Dependent Depression of Excitability and Calcium Transients in the Neurohypophysis Suggests a Model of "Stuttering Conduction". <i>Journal of Neuroscience</i> , 2003, 23, 11352-11362.	1.7	34
32	Dependence of Transient and Residual Calcium Dynamics on Action-Potential Patterning during Neuropeptide Secretion. <i>Journal of Neuroscience</i> , 2000, 20, 6773-6780.	1.7	47
33	Liquid-liquid phase separation in supersaturated lysozyme solutions and associated precipitate formation/crystallization. <i>Journal of Chemical Physics</i> , 1997, 107, 1953-1962.	1.2	518
34	Lack of evidence for prenucleation aggregate formation in lysozyme crystal growth solutions. <i>Journal of Crystal Growth</i> , 1996, 167, 738-747.	0.7	52
35	Interactions in undersaturated and supersaturated lysozyme solutions: Static and dynamic light scattering results. <i>Journal of Chemical Physics</i> , 1995, 103, 10424-10432.	1.2	349