

Marija Iljina

List of Publications by Year in descending order

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Version: 2024-02-01

12
papers

638
citations

1040056

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h-index

1199594

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13
all docs

13
docs citations

13
times ranked

1138
citing authors

#	ARTICLE	IF	CITATIONS
1	Kinetic model of the aggregation of alpha-synuclein provides insights into prion-like spreading. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E1206-15.	7.1	181
2	Single-Molecule Imaging of Individual Amyloid Protein Aggregates in Human Biofluids. ACS Chemical Neuroscience, 2016, 7, 399-406.	3.5	99
3	Fast Flow Microfluidics and Single-Molecule Fluorescence for the Rapid Characterization of I±-Synuclein Oligomers. Analytical Chemistry, 2015, 87, 8818-8826.	6.5	81
4	Nanobodies raised against monomeric E ^c -synuclein inhibit fibril formation and destabilize toxic oligomeric species. BMC Biology, 2017, 15, 57.	3.8	61
5	Arachidonic acid mediates the formation of abundant alpha-helical multimers of alpha-synuclein. Scientific Reports, 2016, 6, 33928.	3.3	49
6	Tunable microsecond dynamics of an allosteric switch regulate the activity of a AAA+ disaggregation machine. Nature Communications, 2019, 10, 1438.	12.8	46
7	Quantitative analysis of co-oligomer formation by amyloid-beta peptide isoforms. Scientific Reports, 2016, 6, 28658.	3.3	45
8	Quantifying Co-Oligomer Formation by I±-Synuclein. ACS Nano, 2018, 12, 10855-10866.	14.6	38
9	Ultrafast pore-loop dynamics in a AAA+ machine point to a Brownian-ratchet mechanism for protein translocation. Science Advances, 2021, 7, eabg4674.	10.3	21
10	Entropic Inhibition: How the Activity of a AAA+ Machine Is Modulated by Its Substrate-Binding Domain. ACS Chemical Biology, 2021, 16, 775-785.	3.4	9
11	Fast dynamics shape the function of the <sc>AAA</sc>+ machine <sc>ClpB</sc>: lessons from single-molecule <sc>FRET</sc> spectroscopy. FEBS Journal, 2023, 290, 3496-3511.	4.7	6
12	Laser-induced volume changes during confocal Raman microscopy of whey-protein-stabilized emulsions and their relationship to protein content and particle diameters. Journal of Raman Spectroscopy, 2013, 44, 1084-1088.	2.5	1