

Erik Walinda

List of Publications by Year in descending order

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33
papers

468
citations

933447

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752698

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docs citations

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times ranked

721
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural Insights into Methylated DNA Recognition by the Methyl-CpG Binding Domain of MBD6 from <i>Arabidopsis thaliana</i> . <i>ACS Omega</i> , 2022, 7, 3212-3221.	3.5	7
2	Counter-flow phenomena studied by nuclear magnetic resonance (NMR) velocimetry and flow simulations. <i>Physics of Fluids</i> , 2022, 34, .	4.0	5
3	Structural dynamics of double-stranded DNA with epigenome modification. <i>Nucleic Acids Research</i> , 2021, 49, 1152-1162.	14.5	8
4	Structural Dynamic Heterogeneity of Polyubiquitin Subunits Affects Phosphorylation Susceptibility. <i>Biochemistry</i> , 2021, 60, 573-583.	2.5	4
5	Transient Diffusive Interactions with a Protein Crowder Affect Aggregation Processes of Superoxide Dismutase 1 β -Barrel. <i>Journal of Physical Chemistry B</i> , 2021, 125, 2521-2532.	2.6	7
6	Backbone resonance assignments of the A2 domain of mouse von Willebrand factor. <i>Biomolecular NMR Assignments</i> , 2021, 15, 427-431.	0.8	0
7	Molecular recognition and deubiquitination of cyclic K48-linked ubiquitin chains by OTUB1. <i>Biochemical and Biophysical Research Communications</i> , 2021, 562, 94-99.	2.1	1
8	Multiple-State Monitoring of SOD1 Amyloid Formation at Single-Residue Resolution by Rheo-NMR Spectroscopy. <i>Journal of the American Chemical Society</i> , 2021, 143, 10604-10613.	13.7	10
9	Effects of Weak Nonspecific Interactions with ATP on Proteins. <i>Journal of the American Chemical Society</i> , 2021, 143, 11982-11993.	13.7	40
10	Expression, solubility monitoring, and purification of the co-folded LUBAC LTM domain by structure-guided tandem folding in autoinducing cultures. <i>Protein Expression and Purification</i> , 2021, 187, 105953.	1.3	3
11	Rigorous analysis of the interaction between proteins and low water-solubility drugs by qNMR-aided NMR titration experiments. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 21484-21488.	2.8	2
12	Visualizing protein motion in Couette flow by all-atom molecular dynamics. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2020, 1864, 129383.	2.4	6
13	Pinpoint analysis of a protein in slow exchange using F1F2-selective ZZ-exchange spectroscopy: assignment and kinetic analysis. <i>Journal of Biomolecular NMR</i> , 2020, 74, 205-211.	2.8	3
14	Quantitative monitoring of ubiquitination/deubiquitination reaction cycles by ^{18}O -incorporation. <i>Biochemical and Biophysical Research Communications</i> , 2020, 529, 418-424.	2.1	1
15	Tracking the 3D Rotational Dynamics in Nanoscopic Biological Systems. <i>Journal of the American Chemical Society</i> , 2020, 142, 7542-7554.	13.7	34
16	NMR resonance assignments of the NZF domain of mouse HOIL-1L free and bound to linear di-ubiquitin. <i>Biomolecular NMR Assignments</i> , 2019, 13, 149-153.	0.8	1
17	Backbone and side-chain resonance assignments of the methyl-CpG-binding domain of MBD6 from <i>Arabidopsis thaliana</i> . <i>Biomolecular NMR Assignments</i> , 2019, 13, 59-62.	0.8	1
18	Cooperative Domain Formation by Homologous Motifs in HOIL-1L and SHARPIN Plays A Crucial Role in LUBAC Stabilization. <i>Cell Reports</i> , 2018, 23, 1192-1204.	6.4	84

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19	Overview of Relaxation Dispersion NMR Spectroscopy to Study Protein Dynamics and Protein-Ligand Interactions. <i>Current Protocols in Protein Science</i> , 2018, 92, e57.	2.8	10
20	Isolation and characterization of a minimal building block of polyubiquitin fibrils. <i>Scientific Reports</i> , 2018, 8, 2711.	3.3	0
21	Resolving biomolecular motion and interactions by R2 and R1 ρ -relaxation dispersion NMR. <i>Methods</i> , 2018, 148, 28-38.	3.8	11
22	Hydrogen-Deuterium Exchange Profiles of Polyubiquitin Fibrils. <i>Polymers</i> , 2018, 10, 240.	4.5	2
23	Practical considerations for investigation of protein conformational dynamics by ¹⁵ N R1 ρ -relaxation dispersion. <i>Journal of Biomolecular NMR</i> , 2017, 67, 201-209.	2.8	4
24	F1F2-selective NMR spectroscopy. <i>Journal of Biomolecular NMR</i> , 2017, 68, 41-52.	2.8	11
25	Backbone resonance assignments of monomeric SOD1 in dilute and crowded environments. <i>Biomolecular NMR Assignments</i> , 2017, 11, 81-84.	0.8	5
26	High-Sensitivity Rheo-NMR Spectroscopy for Protein Studies. <i>Analytical Chemistry</i> , 2017, 89, 7286-7290.	6.5	19
27	Real-Time Observation of the Interaction between Thioflavin T and an Amyloid Protein by Using High-Sensitivity Rheo-NMR. <i>International Journal of Molecular Sciences</i> , 2017, 18, 2271.	4.1	9
28	Biological and Physicochemical Functions of Ubiquitylation Revealed by Synthetic Chemistry Approaches. <i>International Journal of Molecular Sciences</i> , 2017, 18, 1145.	4.1	4
29	Ubiquitylation Directly Induces Fold Destabilization of Proteins. <i>Scientific Reports</i> , 2016, 6, 39453.	3.3	24
30	Efficient identification and analysis of chemical exchange in biomolecules by ¹⁵ R ρ -relaxation dispersion with <i>Amaterasu</i> . <i>Bioinformatics</i> , 2016, 32, 2539-2541.	4.1	5
31	Dual Function of Phosphoubiquitin in E3 Activation of Parkin. <i>Journal of Biological Chemistry</i> , 2016, 291, 16879-16891.	3.4	12
32	The unexpected role of polyubiquitin chains in the formation of fibrillar aggregates. <i>Nature Communications</i> , 2015, 6, 6116.	12.8	75
33	Solution Structure of the Ubiquitin-associated (UBA) Domain of Human Autophagy Receptor NBR1 and Its Interaction with Ubiquitin and Polyubiquitin. <i>Journal of Biological Chemistry</i> , 2014, 289, 13890-13902.	3.4	60