

Erik Walinda

List of Publications by Year in descending order

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Version: 2024-02-01

33
papers

468
citations

933447

10
h-index

752698

20
g-index

33
all docs

33
docs citations

33
times ranked

721
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | 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 |
| 2 | The unexpected role of polyubiquitin chains in the formation of fibrillar aggregates. <i>Nature Communications</i> , 2015, 6, 6116. | 12.8 | 75 |
| 3 | 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 |
| 4 | Effects of Weak Nonspecific Interactions with ATP on Proteins. <i>Journal of the American Chemical Society</i> , 2021, 143, 11982-11993. | 13.7 | 40 |
| 5 | Tracking the 3D Rotational Dynamics in Nanoscopic Biological Systems. <i>Journal of the American Chemical Society</i> , 2020, 142, 7542-7554. | 13.7 | 34 |
| 6 | Ubiquitylation Directly Induces Fold Destabilization of Proteins. <i>Scientific Reports</i> , 2016, 6, 39453. | 3.3 | 24 |
| 7 | High-Sensitivity Rheo-NMR Spectroscopy for Protein Studies. <i>Analytical Chemistry</i> , 2017, 89, 7286-7290. | 6.5 | 19 |
| 8 | Dual Function of Phosphoubiquitin in E3 Activation of Parkin. <i>Journal of Biological Chemistry</i> , 2016, 291, 16879-16891. | 3.4 | 12 |
| 9 | F 1 F 2-selective NMR spectroscopy. <i>Journal of Biomolecular NMR</i> , 2017, 68, 41-52. | 2.8 | 11 |
| 10 | Resolving biomolecular motion and interactions by R2 and R1ρ-relaxation dispersion NMR. <i>Methods</i> , 2018, 148, 28-38. | 3.8 | 11 |
| 11 | Overview of Relaxation Dispersion NMR Spectroscopy to Study Protein Dynamics and Proteinâ€Ligand Interactions. <i>Current Protocols in Protein Science</i> , 2018, 92, e57. | 2.8 | 10 |
| 12 | 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 |
| 13 | 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 |
| 14 | Structural dynamics of double-stranded DNA with epigenome modification. <i>Nucleic Acids Research</i> , 2021, 49, 1152-1162. | 14.5 | 8 |
| 15 | Transient Diffusive Interactions with a Protein Crowder Affect Aggregation Processes of Superoxide Dismutase 1 Î²-Barrel. <i>Journal of Physical Chemistry B</i> , 2021, 125, 2521-2532. | 2.6 | 7 |
| 16 | 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 |
| 17 | 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 |
| 18 | Efficient identification and analysis of chemical exchange in biomolecules by <i>R</i> 1ρ-relaxation dispersion with <i>Amaterasu</i> . <i>Bioinformatics</i> , 2016, 32, 2539-2541. | 4.1 | 5 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Backbone resonance assignments of monomeric SOD1 in dilute and crowded environments. Biomolecular NMR Assignments, 2017, 11, 81-84. | 0.8 | 5 |
| 20 | Counter-flow phenomena studied by nuclear magnetic resonance (NMR) velocimetry and flow simulations. Physics of Fluids, 2022, 34, . | 4.0 | 5 |
| 21 | Practical considerations for investigation of protein conformational dynamics by ^{15}N R $_{1\rho}$ -relaxation dispersion. Journal of Biomolecular NMR, 2017, 67, 201-209. | 2.8 | 4 |
| 22 | Biological and Physicochemical Functions of Ubiquitylation Revealed by Synthetic Chemistry Approaches. International Journal of Molecular Sciences, 2017, 18, 1145. | 4.1 | 4 |
| 23 | Structural Dynamic Heterogeneity of Polyubiquitin Subunits Affects Phosphorylation Susceptibility. Biochemistry, 2021, 60, 573-583. | 2.5 | 4 |
| 24 | Pinpoint analysis of a protein in slow exchange using F1F2-selective ZZ-exchange spectroscopy: assignment and kinetic analysis. Journal of Biomolecular NMR, 2020, 74, 205-211. | 2.8 | 3 |
| 25 | Expression, solubility monitoring, and purification of the co-folded LUBAC LTM domain by structure-guided tandem folding in autoinducing cultures. Protein Expression and Purification, 2021, 187, 105953. | 1.3 | 3 |
| 26 | Hydrogen-Deuterium Exchange Profiles of Polyubiquitin Fibrils. Polymers, 2018, 10, 240. | 4.5 | 2 |
| 27 | Rigorous analysis of the interaction between proteins and low water-solubility drugs by qNMR-aided NMR titration experiments. Physical Chemistry Chemical Physics, 2021, 23, 21484-21488. | 2.8 | 2 |
| 28 | NMR resonance assignments of the NZF domain of mouse HOIL-1L free and bound to linear di-ubiquitin. Biomolecular NMR Assignments, 2019, 13, 149-153. | 0.8 | 1 |
| 29 | Backbone and side-chain resonance assignments of the methyl-CpG-binding domain of MBD6 from Arabidopsis thaliana. Biomolecular NMR Assignments, 2019, 13, 59-62. | 0.8 | 1 |
| 30 | Quantitative monitoring of ubiquitination/deubiquitination reaction cycles by ^{18}O -incorporation. Biochemical and Biophysical Research Communications, 2020, 529, 418-424. | 2.1 | 1 |
| 31 | Molecular recognition and deubiquitination of cyclic K48-linked ubiquitin chains by OTUB1. Biochemical and Biophysical Research Communications, 2021, 562, 94-99. | 2.1 | 1 |
| 32 | Isolation and characterization of a minimal building block of polyubiquitin fibrils. Scientific Reports, 2018, 8, 2711. | 3.3 | 0 |
| 33 | Backbone resonance assignments of the A2 domain of mouse von Willebrand factor. Biomolecular NMR Assignments, 2021, 15, 427-431. | 0.8 | 0 |