

Daniel J Deredge

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Interpreting hydrogen-deuterium exchange experiments with molecular simulations: Tutorials and applications of the HDXer ensemble reweighting software [Article v1.0]. <i>Living Journal of Computational Molecular Science</i> , 2022, 3, .	6.4	3
2	A fusion of the <i>Bacteroides fragilis</i> ferrous iron import proteins reveals a role for FeoA in stabilizing GTP-bound FeoB. <i>Journal of Biological Chemistry</i> , 2022, 298, 101808.	3.4	6
3	Insights into substrate recognition and specificity for IgG by Endoglycosidase S2. <i>PLoS Computational Biology</i> , 2021, 17, e1009103.	3.2	5
4	A structure and function relationship study to identify the impact of the R721G mutation in the human mitochondrial lon protease. <i>Archives of Biochemistry and Biophysics</i> , 2021, 710, 108983.	3.0	1
5	Current Trends and Limitations in Dengue Antiviral Research. <i>Tropical Medicine and Infectious Disease</i> , 2021, 6, 180.	2.3	35
6	Modeling the native ensemble of PhuS using enhanced sampling MD and HDX-ensemble reweighting. <i>Biophysical Journal</i> , 2021, 120, 5141-5157.	0.5	7
7	Molecular Basis of Selective Cytokine Signaling Inhibition by Antibodies Targeting a Shared Receptor. <i>Frontiers in Immunology</i> , 2021, 12, 779100.	4.8	9
8	Structure and dynamics of an α -mannosidase reveal a mechanism for highly efficient IgG transfucosylation. <i>Nature Communications</i> , 2020, 11, 6204.	12.8	29
9	Antigen-Induced Allosteric Changes in a Human IgG1 Fc Increase Low-Affinity Fc γ 3 Receptor Binding. <i>Structure</i> , 2020, 28, 516-527.e5.	3.3	23
10	Gallium(III)-Salophen as a Dual Inhibitor of <i>Pseudomonas aeruginosa</i> Heme Sensing and Iron Acquisition. <i>ACS Infectious Diseases</i> , 2020, 6, 2073-2085.	3.8	29
11	Hydrogen-Deuterium Exchange Mass Spectrometry (HDX-MS) Centroid Data Measured between 3.6 $\text{\AA}^\circ\text{C}$ and 25.4 $\text{\AA}^\circ\text{C}$ for the Fab Fragment of NISTmAb. <i>Journal of Research of the National Institute of Standards and Technology</i> , 2019, 124, 1-7.	1.2	3
12	A temperature-dependent conformational shift in p38 α MAPK substrate-binding region associated with changes in substrate phosphorylation profile. <i>Journal of Biological Chemistry</i> , 2019, 294, 12624-12637.	3.4	9
13	Conformational transition of a non-associative fluorinated amphiphile in aqueous solution. II. Conformational transition vs. supramolecular assembly. <i>RSC Advances</i> , 2019, 9, 1956-1966.	3.6	9
14	Interlaboratory Comparison of Hydrogen-Deuterium Exchange Mass Spectrometry Measurements of the Fab Fragment of NISTmAb. <i>Analytical Chemistry</i> , 2019, 91, 7336-7345.	6.5	44
15	Monitoring dendrimer conformational transition using ^{19}F and ^1H ^2O NMR. <i>Magnetic Resonance in Chemistry</i> , 2019, 57, 861-872.	1.9	10
16	Molecular Basis of Broad Spectrum N-Glycan Specificity and Processing of Therapeutic IgG Monoclonal Antibodies by Endoglycosidase S2. <i>ACS Central Science</i> , 2019, 5, 524-538.	11.3	27
17	Evolution of Structural Biology through the Lens of Mass Spectrometry. <i>Analytical Chemistry</i> , 2019, 91, 142-155.	6.5	49
18	Small-Molecule Inhibitor of FosA Expands Fosfomicin Activity to Multidrug-Resistant Gram-Negative Pathogens. <i>Antimicrobial Agents and Chemotherapy</i> , 2019, 63, .	3.2	11

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19	The <i>Helicobacter pylori</i> adhesin protein HopQ exploits the dimer interface of human CEACAMs to facilitate translocation of the oncoprotein CagA. EMBO Journal, 2018, 37, .	7.8	47
20	Conformational dynamics of a neurotransmitter:sodium symporter in a lipid bilayer. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E1786-E1795.	7.1	76
21	Common coding variant in <i>SERPINA1</i> increases the risk for large artery stroke. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 3613-3618.	7.1	46
22	Ligand-induced allostery in the interaction of the <i>Pseudomonas aeruginosa</i> heme binding protein with heme oxygenase. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 3421-3426.	7.1	18
23	IL-1 Family Cytokines Use Distinct Molecular Mechanisms to Signal through Their Shared Co-receptor. Immunity, 2017, 47, 510-523.e4.	14.3	48
24	Remodeling KRAS. Structure, 2017, 25, 1323-1324.	3.3	0
25	Structure and Dynamics of FosA-Mediated Fosfomycin Resistance in <i>Klebsiella pneumoniae</i> and <i>Escherichia coli</i> . Antimicrobial Agents and Chemotherapy, 2017, 61, .	3.2	28
26	Imatinib binding to human c-Src is coupled to inter-domain allostery and suggests a novel kinase inhibition strategy. Scientific Reports, 2016, 6, 30832.	3.3	11
27	Hydrogen/Deuterium Exchange Kinetics Demonstrate Long Range Allosteric Effects of Thumb Site 2 Inhibitors of Hepatitis C Viral RNA-dependent RNA Polymerase. Journal of Biological Chemistry, 2016, 291, 10078-10088.	3.4	22
28	Bacterial flagellar capping proteins adopt diverse oligomeric states. ELife, 2016, 5, .	6.0	46
29	A Dimer Interface Mutation in Glyceraldehyde-3-Phosphate Dehydrogenase Regulates Its Binding to AU-rich RNA. Journal of Biological Chemistry, 2015, 290, 1770-1785.	3.4	47
30	Characterization of interaction between blood coagulation factor <i>VIII</i> and <i>LRP1</i> suggests dynamic binding by alternating complex contacts. Journal of Thrombosis and Haemostasis, 0, , .	3.8	2