

Daniel J Deredge

List of Publications by Year in descending order

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papers

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all docs

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1297
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Evolution of Structural Biology through the Lens of Mass Spectrometry. Analytical Chemistry, 2019, 91, 142-155.	6.5	49
3	IL-1 Family Cytokines Use Distinct Molecular Mechanisms to Signal through Their Shared Co-receptor. Immunity, 2017, 47, 510-523.e4.	14.3	48
4	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
5	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
6	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
7	Bacterial flagellar capping proteins adopt diverse oligomeric states. ELife, 2016, 5, .	6.0	46
8	Interlaboratory Comparison of Hydrogen-Deuterium Exchange Mass Spectrometry Measurements of the Fab Fragment of NISTmAb. Analytical Chemistry, 2019, 91, 7336-7345.	6.5	44
9	Current Trends and Limitations in Dengue Antiviral Research. Tropical Medicine and Infectious Disease, 2021, 6, 180.	2.3	35
10	Structure and dynamics of an α -fucosidase reveal a mechanism for highly efficient IgG transfucosylation. Nature Communications, 2020, 11, 6204.	12.8	29
11	Gallium(III)-Salophen as a Dual Inhibitor of <i>Pseudomonas aeruginosa</i> Heme Sensing and Iron Acquisition. ACS Infectious Diseases, 2020, 6, 2073-2085.	3.8	29
12	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
13	Molecular Basis of Broad Spectrum N-Glycan Specificity and Processing of Therapeutic IgG Monoclonal Antibodies by Endoglycosidase S2. ACS Central Science, 2019, 5, 524-538.	11.3	27
14	Antigen-Induced Allosteric Changes in a Human IgG1 Fc Increase Low-Affinity Fc γ Receptor Binding. Structure, 2020, 28, 516-527.e5.	3.3	23
15	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
16	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
17	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
18	Small-Molecule Inhibitor of FosA Expands Fosfomycin Activity to Multidrug-Resistant Gram-Negative Pathogens. Antimicrobial Agents and Chemotherapy, 2019, 63, .	3.2	11

#	ARTICLE	IF	CITATIONS
19	Monitoring dendrimer conformational transition using ^{19}F and ^1H ^2O NMR. <i>Magnetic Resonance in Chemistry</i> , 2019, 57, 861-872.	1.9	10
20	A temperature-dependent conformational shift in p38 β MAPK substrate's binding region associated with changes in substrate phosphorylation profile. <i>Journal of Biological Chemistry</i> , 2019, 294, 12624-12637.	3.4	9
21	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
22	Molecular Basis of Selective Cytokine Signaling Inhibition by Antibodies Targeting a Shared Receptor. <i>Frontiers in Immunology</i> , 2021, 12, 779100.	4.8	9
23	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
24	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
25	Insights into substrate recognition and specificity for IgG by Endoglycosidase S2. <i>PLoS Computational Biology</i> , 2021, 17, e1009103.	3.2	5
26	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
27	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
28	Characterization of interaction between blood coagulation factor VIII and LRP1 suggests dynamic binding by alternating complex contacts. <i>Journal of Thrombosis and Haemostasis</i> , 0, , .	3.8	2
29	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
30	Remodeling KRAS. <i>Structure</i> , 2017, 25, 1323-1324.	3.3	0