

Eugene F Deroose

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7234493/publications.pdf>

Version: 2024-02-01

30
papers

656
citations

516710

16
h-index

580821

25
g-index

31
all docs

31
docs citations

31
times ranked

1134
citing authors

#	ARTICLE	IF	CITATIONS
1	The inter-ligand Overhauser effect: a powerful new NMR approach for mapping structural relationships of macromolecular ligands. <i>Journal of Biomolecular NMR</i> , 1999, 15, 71-76.	2.8	62
2	Solution Structure of the Dickerson DNA Dodecamer Containing a Single Ribonucleotide. <i>Biochemistry</i> , 2012, 51, 2407-2416.	2.5	56
3	IP6K structure and the molecular determinants of catalytic specificity in an inositol phosphate kinase family. <i>Nature Communications</i> , 2014, 5, 4178.	12.8	55
4	APE2 Zf-GRF facilitates 3'→5' resection of DNA damage following oxidative stress. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 304-309.	7.1	50
5	Comparison of fipronil sources in North Carolina surface water and identification of a novel fipronil transformation product in recycled wastewater. <i>Science of the Total Environment</i> , 2016, 569-570, 880-887.	8.0	39
6	Model for the Catalytic Domain of the Proofreading β Subunit of Escherichia coli DNA Polymerase III Based on NMR Structural Data. <i>Biochemistry</i> , 2002, 41, 94-110.	2.5	32
7	Elucidation of the β Subunit Interface of Escherichia coli DNA Polymerase III by NMR Spectroscopy. <i>Biochemistry</i> , 2003, 42, 3635-3644.	2.5	30
8	Molecular mechanisms for the regulation of histone mRNA stem-loop binding protein by phosphorylation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E2937-46.	7.1	29
9	Solution Structure of the Lyase Domain of Human DNA Polymerase β . <i>Biochemistry</i> , 2003, 42, 9564-9574.	2.5	27
10	Solution structure of the Drosha double-stranded RNA-binding domain. <i>Silence: A Journal of RNA Regulation</i> , 2010, 1, 2.	8.1	26
11	Solution Structure of Polymerase β 's BRCT Domain Reveals an Element Essential for Its Role in Nonhomologous End Joining. <i>Biochemistry</i> , 2007, 46, 12100-12110.	2.5	25
12	Investigation of spin-trapping artifacts formed by the Forrester-Hepburn mechanism. <i>Free Radical Biology and Medicine</i> , 2013, 65, 1497-1505.	2.9	24
13	Mapping Human Monoclonal IgE Epitopes on the Major Dust Mite Allergen Der p 2. <i>Journal of Immunology</i> , 2020, 205, 1999-2007.	0.8	21
14	A Structural Basis for Biguanide Activity. <i>Biochemistry</i> , 2017, 56, 4786-4798.	2.5	20
15	A Human IgE Antibody Binding Site on Der p 2 for the Design of a Recombinant Allergen for Immunotherapy. <i>Journal of Immunology</i> , 2019, 203, 2545-2556.	0.8	19
16	Asymmetric conformational maturation of HIV-1 reverse transcriptase. <i>ELife</i> , 2015, 4, .	6.0	19
17	Hydrophobic ligands influence the structure, stability, and processing of the major cockroach allergen Bla g 1. <i>Scientific Reports</i> , 2019, 9, 18294.	3.3	14
18	Comparison of phytochemical composition of Ginkgo biloba extracts using a combination of non-targeted and targeted analytical approaches. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 6789-6809.	3.7	14

#	ARTICLE	IF	CITATIONS
19	The mosquito protein AEG12 displays both cytolytic and antiviral properties via a common lipid transfer mechanism. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	13
20	Phage Like It HOT. <i>Structure</i> , 2004, 12, 2221-2231.	3.3	12
21	A metabolomic, geographic, and seasonal analysis of the contribution of pollen-derived adenosine to allergic sensitization. <i>Metabolomics</i> , 2016, 12, 1.	3.0	10
22	Unfolding the HIV-1 reverse transcriptase RNase H domain “how to lose a molecular tug-of-war. <i>Nucleic Acids Research</i> , 2016, 44, 1776-1788.	14.5	10
23	Characterization of the APLF FHA“XRCC1 phosphopeptide interaction and its structural and functional implications. <i>Nucleic Acids Research</i> , 2017, 45, 12374-12387.	14.5	9
24	Structure, Immunogenicity, and IgE Cross-Reactivity among Walnut and Peanut Vicilin-Buried Peptides. <i>Journal of Agricultural and Food Chemistry</i> , 2022, 70, 2389-2400.	5.2	9
25	Identification of drivers for the metamorphic transition of HIV-1 reverse transcriptase. <i>Biochemical Journal</i> , 2017, 474, 3321-3338.	3.7	7
26	The Structural Basis for Nonsteroidal Anti-Inflammatory Drug Inhibition of Human Dihydrofolate Reductase. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 8314-8324.	6.4	7
27	Characterization of the Redox Transition of the XRCC1 N-terminal Domain. <i>Structure</i> , 2014, 22, 1754-1763.	3.3	6
28	Nanobody Paratope Ensembles in Solution Characterized by MD Simulations and NMR. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5419.	4.1	6
29	Transitions in DNA polymerase β μ s-ms dynamics related to substrate binding and catalysis. <i>Nucleic Acids Research</i> , 2018, 46, 7309-7322.	14.5	3
30	Response to Letter to the Editor regarding “Comparison of phytochemical composition of Ginkgo biloba extracts using a combination of non-targeted and targeted analytical approaches”. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 7627-7629.	3.7	0