Lars C Pedersen

List of Publications by Year
in descending order

152 papers	7,962 citations	29994 54 h-index	58464 82 g-index
154 all docs	154 docs citations	154 times ranked	6434 citing authors

#	Article	IF	Citations
1	Structure and Function of Sulfotransferases. Archives of Biochemistry and Biophysics, 2001, 390, 149-157.	1.4	306
2	Crystal structure of estrogen sulphotransferase. Nature Structural and Molecular Biology, 1997, 4, 904-908.	3.6	263
3	Magnesium-Induced Assembly of a Complete DNA Polymerase Catalytic Complex. Structure, 2006, 14, 757-766.	1.6	242
4	Heparan/Chondroitin Sulfate Biosynthesis. Journal of Biological Chemistry, 2000, 275, 34580-34585.	1.6	178
5	Structural investigation of the antibiotic and ATP-binding sites in kanamycin nucleotidyltransferase. Biochemistry, 1995, 34, 13305-13311.	1.2	177
6	Conserved structural motifs in the sulfotransferase family. Trends in Biochemical Sciences, 1998, 23, 129-130.	3.7	158
7	The X family portrait: Structural insights into biological functions of X family polymerases. DNA Repair, 2007, 6, 1709-1725.	1.3	158
8	Replication infidelity via a mismatch with Watsonâ€"Crick geometry. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 1862-1867.	3.3	148
9	Transglutaminase factor XIII uses proteinaseâ€like catalytic triad to crosslink macromolecules. Protein Science, 1994, 3, 1131-1135.	3.1	142
10	A closed conformation for the Pol Î» catalytic cycle. Nature Structural and Molecular Biology, 2005, 12, 97-98.	3.6	138
11	The Sulfuryl Transfer Mechanism. Journal of Biological Chemistry, 1998, 273, 27325-27330.	1.6	135
12	A synergistic approach to protein crystallization: Combination of a fixedâ€arm carrier with surface entropy reduction. Protein Science, 2010, 19, 901-913.	3.1	131
13	Crystal Structure of the Sulfotransferase Domain of Human Heparan SulfateN-Deacetylase/N-Sulfotransferase 1. Journal of Biological Chemistry, 1999, 274, 10673-10676.	1.6	128
14	Anticoagulant heparan sulfate: structural specificity and biosynthesis. Applied Microbiology and Biotechnology, 2007, 74, 263-272.	1.7	126
15	Structures of DNA Polymerase Î² with Active-Site Mismatches Suggest a Transient Abasic Site Intermediate during Misincorporation. Molecular Cell, 2008, 30, 315-324.	4.5	122
16	Crystal structure of human catecholamine sulfotransferase 1 1Edited by R. Huber. Journal of Molecular Biology, 1999, 293, 521-530.	2.0	119
17	A Structural Solution for the DNA Polymerase Î»-Dependent Repair of DNA Gaps with Minimal Homology. Molecular Cell, 2004, 13, 561-572.	4.5	119
18	Diversity Outbred Mice Identify Population-Based Exposure Thresholds and Genetic Factors that Influence Benzene-Induced Genotoxicity. Environmental Health Perspectives, 2015, 123, 237-245.	2.8	111

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19	Structure of a signal transduction regulator, RACK1, from <i>Arabidopsis thaliana</i>. Protein Science, 2008, 17, 1771-1780.	3.1	110
20	Enzymatic Redesigning of Biologically Active Heparan Sulfate. Journal of Biological Chemistry, 2005, 280, 42817-42825.	1.6	109
21	Crystal Structure of the Human Estrogen Sulfotransferase-PAPS Complex. Journal of Biological Chemistry, 2002, 277, 17928-17932.	1.6	107
22	The dimerization motif of cytosolic sulfotransferases. FEBS Letters, 2001, 490, 39-43.	1.3	99
23	Modifying the Î²,Î³ Leaving-Group Bridging Oxygen Alters Nucleotide Incorporation Efficiency, Fidelity, and the Catalytic Mechanism of DNA Polymerase Î²â€. Biochemistry, 2007, 46, 461-471.	1.2	99
24	The structure of the dust mite allergen Der p 7 reveals similarities to innate immune proteins. Journal of Allergy and Clinical Immunology, 2010, 125, 909-917.e4.	1.5	99
25	Identification of the Calcium Binding Site and a Novel Ytterbium Site in Blood Coagulation Factor XIII by X-ray Crystallography. Journal of Biological Chemistry, 1999, 274, 4917-4923.	1.6	98
26	Crystal structure of SULT2A3, human hydroxysteroid sulfotransferase. FEBS Letters, 2000, 475, 61-64.	1.3	98
27	Crystal Structure of an Î±1,4-N-Acetylhexosaminyltransferase (EXTL2), a Member of the Exostosin Gene Family Involved in Heparan Sulfate Biosynthesis. Journal of Biological Chemistry, 2003, 278, 14420-14428.	1.6	95
28	Structural Analysis of Strand Misalignment during DNA Synthesis by a Human DNA Polymerase. Cell, 2006, 124, 331-342.	13.5	94
29	Structural insight into the substrate specificity of DNA Polymerase Î¼. Nature Structural and Molecular Biology, 2007, 14, 45-53.	3.6	89
30	Energy analysis of chemistry for correct insertion by DNA polymerase beta. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 13294-13299.	3.3	88
31	Ara h 2: crystal structure and IgE binding distinguish two subpopulations of peanut allergic patients by epitope diversity. Allergy: European Journal of Allergy and Clinical Immunology, 2011, 66, 878-885.	2.7	86
32	Structural evidence that the activation peptide is not released upon thrombin cleavage of factor XIII. Thrombosis Research, 1995, 78, 389-397.	0.8	84
33	Mimicking of Estradiol Binding by Flame Retardants and Their Metabolites: A Crystallographic Analysis. Environmental Health Perspectives, 2013, 121, 1194-1199.	2.8	82
34	Structural Analysis of the Sulfotransferase (3-O-Sulfotransferase Isoform 3) Involved in the Biosynthesis of an Entry Receptor for Herpes Simplex Virus 1. Journal of Biological Chemistry, 2004, 279, 45185-45193.	1.6	77
35	Structural insight into the DNA polymerase Î² deoxyribose phosphate lyase mechanism. DNA Repair, 2005, 4, 1347-1357.	1.3	71
36	Stable RAGE-Heparan Sulfate Complexes Are Essential for Signal Transduction. ACS Chemical Biology, 2013, 8, 1611-1620.	1.6	71

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37	Crystal Structure of Human Cholesterol Sulfotransferase (SULT2B1b) in the Presence of Pregnenolone and 3â€²-Phosphoadenosine 5â€²-Phosphate. Journal of Biological Chemistry, 2003, 278, 44593-44599.	1.6	70
38	Engineering sulfotransferases to modify heparan sulfate. Nature Chemical Biology, 2008, 4, 200-202.	3.9	70
39	Structural analysis by X-ray crystallography and calorimetry of a haemagglutinin component (HA1) of the progenitor toxin from Clostridium botulinum. Microbiology (United Kingdom), 2003, 149, 3361-3370.	0.7	69
40	Serological, genomic and structural analyses of the major mite allergen Der p 23. Clinical and Experimental Allergy, 2016, 46, 365-376.	1.4	69
41	2-O-Phosphorylation of Xylose and 6-O-Sulfation of Galactose in the Protein Linkage Region of Glycosaminoglycans Influence the Glucuronyltransferase-I Activity Involved in the Linkage Region Synthesis. Journal of Biological Chemistry, 2008, 283, 16801-16807.	1.6	68
42	Crystal Structure of Î²1,3-Glucuronyltransferase I in Complex with Active Donor Substrate UDP-GlcUA. Journal of Biological Chemistry, 2002, 277, 21869-21873.	1.6	67
43	Crystal Structure and Mutational Analysis of Heparan Sulfate 3-O-Sulfotransferase Isoform 1. Journal of Biological Chemistry, 2004, 279, 25789-25797.	1.6	64
44	Reaction Mechanism of the Îµ Subunit of E. coli DNA Polymerase III: Insights into Active Site Metal Coordination and Catalytically Significant Residues. Journal of the American Chemical Society, 2009, 131, 1550-1556.	6.6	64
45	The novel structure of the cockroach allergen Bla g 1 has implications for allergenicity and exposure assessment. Journal of Allergy and Clinical Immunology, 2013, 132, 1420-1426.e9.	1.5	64
46	Crystallographic analysis of a hydroxylated polychlorinated biphenyl (OH-PCB) bound to the catalytic estrogen binding site of human estrogen sulfotransferase.. Environmental Health Perspectives, 2003, 111, 884-888.	2.8	62
47	Structureâ€"function studies of DNA polymerase lambda. DNA Repair, 2005, 4, 1358-1367.	1.3	62
48	Role of the catalytic metal during polymerization by DNA polymerase lambda. DNA Repair, 2007, 6, 1333-1340.	1.3	62
49	DNA Polymerase Î² Substrate Specificity. Journal of Biological Chemistry, 2009, 284, 31680-31689.	1.6	60
50	Substrate Gating Confers Steroid Specificity to Estrogen Sulfotransferase. Journal of Biological Chemistry, 1999, 274, 30019-30022.	1.6	59
51	Crystal structure-based studies of cytosolic sulfotransferase. Journal of Biochemical and Molecular Toxicology, 2001, 15, 67-75.	1.4	59
52	The Molecular Basis of Peanut Allergy. Current Allergy and Asthma Reports, 2014, 14, 429.	2.4	58
53	Sustained active site rigidity during synthesis by human DNA polymerase Î¼. Nature Structural and Molecular Biology, 2014, 21, 253-260.	3.6	57
54	Glucosaminylglycan biosynthesis: what we can learn from the X-ray crystal structures of glycosyltransferases GlcAT1 and EXTL2. Biochemical and Biophysical Research Communications, 2003, 303, 393-398.	1.0	56

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55	(R)-Î²,Î³-Fluoromethylene-dGTP-DNA Ternary Complex with DNA Polymerase Î². Journal of the American Chemical Society, 2007, 129, 15412-15413.	6.6	54
56	Time-lapse crystallography snapshots of a double-strand break repair polymerase in action. Nature Communications, 2017, 8, 253.	5.8	54
57	Structural Determinants of the Bifunctional Corn Hageman Factor Inhibitor:â€‰ X-ray Crystal Structure at 1.95 Å Resolution,. Biochemistry, 1998, 37, 15277-15288.	1.2	53
58	Mutagenic conformation of 8-oxo-7,8-dihydro-2â€²-dGTP in the confines of a DNA polymerase active site. Nature Structural and Molecular Biology, 2010, 17, 889-890.	3.6	52
59	Der p 5 Crystal Structure Provides Insight into the Group 5 Dust Mite Allergens. Journal of Biological Chemistry, 2010, 285, 25394-25401.	1.6	52
60	Structureâ€"Function Studies of DNA Polymerase Î». Biochemistry, 2014, 53, 2781-2792.	1.2	52
61	Analysis of glutathione S-transferase allergen cross-reactivity in a North American population: RelevanceÂfor molecular diagnosis. Journal of Allergy and Clinical Immunology, 2015, 136, 1369-1377.	1.5	52
62	Dissecting the substrate recognition of 3- <i>O</i> -sulfotransferase for the biosynthesis of anticoagulant heparin. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 5265-5270.	3.3	51
63	Redirecting the substrate specificity of heparan sulfate 2- <i>O</i> -sulfotransferase by structurally guided mutagenesis. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 18724-18729.	3.3	50
64	Template strand scrunching during DNA gap repair synthesis by human polymerase Î». Nature Structural and Molecular Biology, 2009, 16, 967-972.	3.6	49
65	A role of Lys614in the sulfotransferase activity of human heparan sulfateN-deacetylase/N-sulfotransferase. FEBS Letters, 1998, 433, 211-214.	1.3	48
66	Incorrect nucleotide insertion at the active site of a G:A mismatch catalyzed by DNA polymerase Â. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 5670-5674.	3.3	48
67	Halogenated Î²,Î³-Methylene- and Ethylidene-dGTP-DNA Ternary Complexes with DNA Polymerase Î²: Structural Evidence for Stereospecific Binding of the Fluoromethylene Analogues. Journal of the American Chemical Society, 2010, 132, 7617-7625.	6.6	48
68	The catalytic cycle for ribonucleotide incorporation by human DNA Pol Î». Nucleic Acids Research, 2012, 40, 7518-7527.	6.5	48
69	Structure and Function Studies of Factor XIIIa by x-ray Crystallography. Seminars in Thrombosis and Hemostasis, 1996, 22, 377-384.	1.5	44
70	Synthesis and biological evaluation of fluorinated deoxynucleotide analogs based on bis-(difluoromethylene)triphosphoric acid. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 15693-15698.	3.3	44
71	Structural Insights into the Mechanism of Nuclease A, a Î²Î²Î± Metal Nuclease from Anabaena. Journal of Biological Chemistry, 2005, 280, 27990-27997.	1.6	43
72	Î±,Î²-Difluoromethylene Deoxynucleoside 5â€²-Triphosphates: A Convenient Synthesis of Useful Probes for DNA Polymerase Î² Structure and Function. Organic Letters, 2009, 11, 1883-1886.	2.4	43

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73	Structure-function analysis of ribonucleotide bypass by B family DNA replicases. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 16802-16807.	3.3	42
74	Novel DNA Motif Binding Activity Observed In Vivo With an Estrogen Receptor Î± Mutant Mouse. Molecular Endocrinology, 2014, 28, 899-911.	3.7	42
75	Mouse Steroid Sulfotransferases. Biochemical Pharmacology, 1998, 55, 313-317.	2.0	41
76	Amino Acid Substitution in the Active Site of DNA Polymerase Î² Explains the Energy Barrier of the Nucleotidyl Transfer Reaction. Journal of the American Chemical Society, 2013, 135, 8078-8088.	6.6	40
77	Structural analysis of the activation-induced deoxycytidine deaminase required in immunoglobulin diversification. DNA Repair, 2016, 43, 48-56.	1.3	40
78	Structure and Function of HNK-1 Sulfotransferase. Journal of Biological Chemistry, 1999, 274, 25608-25612.	1.6	39
79	Molecular Mechanism of Substrate Specificity for Heparan Sulfate 2-O-Sulfotransferase. Journal of Biological Chemistry, 2014, 289, 13407-13418.	1.6	39
80	Promiscuous mismatch extension by human DNA polymerase lambda. Nucleic Acids Research, 2006, 34, 3259-3266.	6.5	38
81	Nucleotide-Induced DNA Polymerase Active Site Motions Accommodating a Mutagenic DNA Intermediate. Structure, 2005, 13, 1225-1233.	1.6	37
82	Structures of DNA-bound human ligase IV catalytic core reveal insights into substrate binding and catalysis. Nature Communications, 2018, 9, 2642.	5.8	37
83	Substrateâ€induced DNA strand misalignment during catalytic cycling by DNA polymerase Î». EMBO Reports, 2008, 9, 459-464.	2.0	36
84	Structure Based Substrate Specificity Analysis of Heparan Sulfate 6-<i>O</i>-Sulfotransferases. ACS Chemical Biology, 2017, 12, 73-82.	1.6	36
85	Structural accommodation of ribonucleotide incorporation by the DNA repair enzyme polymerase Mu. Nucleic Acids Research, 2017, 45, 9138-9148.	6.5	36
86	Understanding the substrate specificity of the heparan sulfate sulfotransferases by an integrated biosynthetic and crystallographic approach. Current Opinion in Structural Biology, 2012, 22, 550-557.	2.6	35
87	A comparison of BRCT domains involved in nonhomologous end-joining: Introducing the solution structure of the BRCT domain of polymerase lambda. DNA Repair, 2008, 7, 1340-1351.	1.3	33
88	100ÂYears later: Celebrating the contributions of x-ray crystallography to allergy and clinical immunology. Journal of Allergy and Clinical Immunology, 2015, 136, 29-37.e10.	1.5	33
89	Molecular Determinants of the Stereoselectivity of Agonist Activity of Estrogen Receptors (ER) Î± and à¥†. Journal of Biological Chemistry, 2003, 278, 12255-12262.	1.6	32
90	Role of Deacetylase Activity of N-Deacetylase/N-Sulfotransferase 1 in Forming N-Sulfated Domain in Heparan Sulfate. Journal of Biological Chemistry, 2015, 290, 20427-20437.	1.6	32

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91	Structure of the Escherichia coli DNA Polymerase III Ïµ-HOT Proofreading Complex. Journal of Biological Chemistry, 2006, 281, 38466-38471.	1.6	30
92	Nuclear Localization of the DNA Repair Scaffold XRCC1: Uncovering the Functional Role of a Bipartite NLS. Scientific Reports, 2015, 5, 13405.	1.6	30
93	Structures of DNA Polymerase Mispaired DNA Termini Transitioning to Pre-catalytic Complexes Support an Induced-Fit Fidelity Mechanism. Structure, 2016, 24, 1863-1875.	1.6	30
94	Structural insights into catalytic and substrate binding mechanisms of the strategic EndA nuclease from Streptococcus pneumoniae. Nucleic Acids Research, 2011, 39, 2943-2953.	6.5	29
95	Functional residues on the surface of the N-terminal domain of yeast Pms1. DNA Repair, 2010, 9, 448-457.	1.3	28
96	Creative template-dependent synthesis by human polymerase mu. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E4530-6.	3.3	26
97	Selective unfolding of one Ribonuclease H domain of HIV reverse transcriptase is linked to homodimer formation. Nucleic Acids Research, 2014, 42, 5361-5377.	6.5	25
98	Structure of DNA polymerase beta with a benzo[c]phenanthrene diol epoxide-adducted template exhibits mutagenic features. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 17231-17236.	3.3	24
99	Mutational Study of Heparan Sulfate 2-O-Sulfotransferase and Chondroitin Sulfate 2-O-Sulfotransferase. Journal of Biological Chemistry, 2007, 282, 8356-8367.	1.6	24
100	Characterization of a replicative DNA polymerase mutant with reduced fidelity and increased translesion synthesis capacity. Nucleic Acids Research, 2008, 36, 3892-3904.	6.5	24
101	The Nuclease A-Inhibitor Complex Is Characterized by a Novel Metal Ion Bridge. Journal of Biological Chemistry, 2007, 282, 5682-5690.	1.6	23
102	3â€˜-Phosphoadenosine 5â€˜-Phosphosulfate Binding Site of Flavonol 3-Sulfotransferase Studied by Affinity Chromatography and31P NMRâ€. Biochemistry, 1999, 38, 4066-4071.	1.2	22
103	Heparan Sulfate Biosynthesis: A Theoretical Study of the Initial Sulfation Step by N-Deacetylase/N-Sulfotransferase. Biophysical Journal, 2000, 79, 2909-2917.	0.2	21
104	A Structural Basis for Biguanide Activity. Biochemistry, 2017, 56, 4786-4798.	1.2	20
105	Interaction of the phosphorylated DNA-binding domain in nuclear receptor CAR with its ligand-binding domain regulates CAR activation. Journal of Biological Chemistry, 2018, 293, 333-344.	1.6	20
106	Structural characterization of the virulence factor Sda1 nuclease from<i>Streptococcus pyogenes</i>. Nucleic Acids Research, 2016, 44, 3946-3957.	6.5	19
107	Heparan sulphate N-sulphotransferase activity: reaction mechanism and substrate recognition. Biochemical Society Transactions, 2003, 31, 331-334.	1.6	17
108	Searching for the minimum energy path in the sulfuryl transfer reaction catalyzed by human estrogen sulfotransferase: Role of enzyme dynamics. International Journal of Quantum Chemistry, 2006, 106, 2981-2998.	1.0	16

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109	Thr176 regulates the activity of the mouse nuclear receptor CAR and is conserved in the NR1I subfamily members PXR and VDR. Biochemical Journal, 2005, 388, 623-630.	1.7	15
110	Activation-induced deoxycytidine deaminase: Structural basis for favoring WRC hot motif specificities unique among APOBEC family members. DNA Repair, 2017, 54, 8-12.	1.3	15
111	Explicit Water Near the Catalytic I Helix Thr in the Predicted Solution Structure of CYP2A4. Biophysical Journal, 2003, 84, 57-68.	0.2	14
112	Ligand binding characteristics of the Ku80 von Willebrand domain. DNA Repair, 2020, 85, 102739.	1.3	14
113	Structureâ^'Function Modeling of the Interactions ofN-Alkyl-N-hydroxyanilines with Rat Hepatic Aryl Sulfotransferase IV. Chemical Research in Toxicology, 2000, 13, 1251-1258.	1.7	13
114	Modeling of the DNA-binding site of yeast Pms1 by mass spectrometry. DNA Repair, 2011, 10, 454-465.	1.3	13
115	The Natural Estrogenic Compound Diarylheptanoid (D3):In VitroMechanisms of Action andin VivoUterine Responses via Estrogen ReceptorÎ±. Environmental Health Perspectives, 2013, 121, 433-439.	2.8	13
116	The mosquito protein AEG12 displays both cytolytic and antiviral properties via a common lipid transfer mechanism. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	13
117	A Conformational Change in Heparan Sulfate 3-O-Sulfotransferase-1 Is Induced by Binding to Heparan Sulfateâ€. Biochemistry, 2004, 43, 4680-4688.	1.2	12
118	Inhibitors of Streptococcus pneumoniae Surface Endonuclease EndA Discovered by High-Throughput Screening Using a PicoGreen Fluorescence Assay. Journal of Biomolecular Screening, 2013, 18, 247-257.	2.6	12
119	A quantum mechanical study of the transfer of biological sulfate. Computational and Theoretical Chemistry, 1999, 461-462, 105-111.	1.5	11
120	Unfolding the HIV-1 reverse transcriptase RNase H domain â€" how to lose a molecular tug-of-war. Nucleic Acids Research, 2016, 44, 1776-1788.	6.5	10
121	Characterization of the APLF FHAâ€"XRCC1 phosphopeptide interaction and its structural and functional implications. Nucleic Acids Research, 2017, 45, 12374-12387.	6.5	9
122	Probing Dominant Negative Behavior of Glucocorticoid Receptor <i>Î²</i> through a Hybrid Structural and Biochemical Approach. Molecular and Cellular Biology, 2018, 38, .	1.1	8
123	A ubiquitin-like domain is required for stabilizing the N-terminal ATPase module of human SMCHD1. Communications Biology, 2019, 2, 255.	2.0	8
124	Unexpected behavior of DNA polymerase Mu opposite template 8-oxo-7,8-dihydro-2â€²-guanosine. Nucleic Acids Research, 2019, 47, 9410-9422.	6.5	8
125	From Steroid and Drug Metabolism to Glycobiology, Using Sulfotransferase Structures to Understand and Tailor Function. Drug Metabolism and Disposition, 2022, 50, 1027-1041.	1.7	8
126	Structural characterization of the virulence factor nuclease A fromStreptococcus agalactiae. Acta Crystallographica Section D: Biological Crystallography, 2014, 70, 2937-2949.	2.5	7

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127	Using engineered 6-<i>O</i>-sulfotransferase to improve the synthesis of anticoagulant heparin. Organic and Biomolecular Chemistry, 2020, 18, 8094-8102.	1.5	7
128	The Structural Basis for Nonsteroidal Anti-Inflammatory Drug Inhibition of Human Dihydrofolate Reductase. Journal of Medicinal Chemistry, 2020, 63, 8314-8324.	2.9	7
129	Analysis of diverse double-strand break synapsis with PolÎ» reveals basis for unique substrate specificity in nonhomologous end-joining. Nature Communications, 2022, 13, .	5.8	7
130	The Corn Inhibitor of Blood Coagulation Factor XIIa. Journal of Molecular Biology, 1994, 236, 385-387.	2.0	6
131	Characterization of an anti-Bla g 1 scFv: Epitope mapping and cross-reactivity. Molecular Immunology, 2014, 59, 200-207.	1.0	6
132	Structural Analysis of Recent Allergen-Antibody Complexes and Future Directions. Current Allergy and Asthma Reports, 2019, 19, 17.	2.4	6
133	Structural snapshots of human DNA polymerase Î¼ engaged on a DNA double-strand break. Nature Communications, 2020, 11, 4784.	5.8	6
134	Deciphering the substrate recognition mechanisms of the heparan sulfate 3-<i>O</i>-sulfotransferase-3. RSC Chemical Biology, 2021, 2, 1239-1248.	2.0	6
135	Emerging chemical and biochemical tools for studying 3-<i>O</i>-sulfated heparan sulfate. American Journal of Physiology - Cell Physiology, 2022, 322, C1166-C1175.	2.1	6
136	Structural and Substrate Specificity Analysis of 3-<i>O</i>-Sulfotransferase Isoform 5 to Synthesize Heparan Sulfate. ACS Catalysis, 2021, 11, 14956-14966.	5.5	5
137	Variations in nuclear localization strategies among pol X family enzymes. Traffic, 2018, 19, 723-735.	1.3	3
138	Evaluation of the allergenic activity of the Glutathione Transferase from Blomia tropicalis (Blo t 8) in a mouse model of airway inflammation. Journal of Allergy and Clinical Immunology, 2019, 143, AB187.	1.5	2
139	DNA polymerase mu: An inflexible scaffold for substrate flexibility. DNA Repair, 2020, 93, 102932.	1.3	2
140	Structural Insights into the Specificity of 8-Oxo-7,8-dihydro-2â€²-deoxyguanosine Bypass by Family X DNA Polymerases. Genes, 2022, 13, 15.	1.0	2
141	Small Molecule Inhibitors of the Sulfotransferases. , 2005, , 781-801.		1
142	The Der p 7 Crystal Structure Reveals Similarities to Innate Immune Proteins. Journal of Allergy and Clinical Immunology, 2010, 125, AB188.	1.5	1
143	Analysis of GST Allergen Cross-Reactivity in a North American Population for Molecular Diagnosis. Journal of Allergy and Clinical Immunology, 2015, 135, AB187.	1.5	1
144	Structural, Serological, and Genomic Analyses of the Major Mite Allergen Der p 23. Journal of Allergy and Clinical Immunology, 2016, 137, AB267.	1.5	1

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145	Crystal Structure-Based Analysis of Human Glucuronyltransferase 1.. Trends in Glycoscience and Glycotechnology, 2001, 13, 121-129.	0.0	1
146	The Cockroach Allergen Bla g 1 Forms Alpha Helical Capsules with an Internal Lipid Binding Cavity: Implications for Allergenicity. Journal of Allergy and Clinical Immunology, 2013, 131, AB16.	1.5	0
147	Crystallographic Analysis and Mimicking of Estradiol Binding: Pedersen et al. Respond. Environmental Health Perspectives, 2014, 122, A91-2.	2.8	0
148	Epitope Mapping Of An Anti-Bla g 1 ScFv Used For Cockroach Allergen Quantitation. Journal of Allergy and Clinical Immunology, 2014, 133, AB100.	1.5	0
149	Antigenic Analysis Of The Major Cockroach Allergen Bla g 5 and Its Dust Mite Homolog Der p 8. Journal of Allergy and Clinical Immunology, 2014, 133, AB100.	1.5	0
150	Structure of a Complex of <i>E. coli</i> DNA Polymerase III Îµ Subunit with Phage P1 Homolog of Î¸. FASEB Journal, 2006, 20, .	0.2	0
151	Variations in Nuclear Localization Strategies Among Pol X Family Enzymes. FASEB Journal, 2018, 32, 786.11.	0.2	0
152	Structural and functional consequences of SMCHD1 mutations associated with arhinia and muscular dystrophy. FASEB Journal, 2019, 33, 493.5.	0.2	0