

Lars C Pedersen

List of Publications by Citations

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141
papers

6,781
citations

51
h-index

76
g-index

154
ext. papers

7,340^o
ext. citations

7.9
avg, IF

5.47
L-index

#	Paper	IF	Citations
141	Structure and function of sulfotransferases. <i>Archives of Biochemistry and Biophysics</i> , 2001 , 390, 149-57	4.1	261
140	Crystal structure of estrogen sulphotransferase. <i>Nature Structural and Molecular Biology</i> , 1997 , 4, 904-8	17.6	237
139	Magnesium-induced assembly of a complete DNA polymerase catalytic complex. <i>Structure</i> , 2006 , 14, 757-66	5.2	224
138	Structural investigation of the antibiotic and ATP-binding sites in kanamycin nucleotidyltransferase. <i>Biochemistry</i> , 1995 , 34, 13305-11	3.2	155
137	The X family portrait: structural insights into biological functions of X family polymerases. <i>DNA Repair</i> , 2007 , 6, 1709-25	4.3	145
136	Conserved structural motifs in the sulfotransferase family. <i>Trends in Biochemical Sciences</i> , 1998 , 23, 129-30	3.3	135
135	Heparan/chondroitin sulfate biosynthesis. Structure and mechanism of human glucuronyltransferase I. <i>Journal of Biological Chemistry</i> , 2000 , 275, 34580-5	5.4	134
134	Transglutaminase factor XIII uses proteinase-like catalytic triad to crosslink macromolecules. <i>Protein Science</i> , 1994 , 3, 1131-5	6.3	132
133	A closed conformation for the Pol lambda catalytic cycle. <i>Nature Structural and Molecular Biology</i> , 2005 , 12, 97-8	17.6	127
132	Replication infidelity via a mismatch with Watson-Crick geometry. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 1862-7	11.5	122
131	A synergistic approach to protein crystallization: combination of a fixed-arm carrier with surface entropy reduction. <i>Protein Science</i> , 2010 , 19, 901-13	6.3	112
130	The sulfuryl transfer mechanism. Crystal structure of a vanadate complex of estrogen sulfotransferase and mutational analysis. <i>Journal of Biological Chemistry</i> , 1998 , 273, 27325-30	5.4	112
129	Structures of DNA polymerase beta with active-site mismatches suggest a transient abasic site intermediate during misincorporation. <i>Molecular Cell</i> , 2008 , 30, 315-24	17.6	110
128	Crystal structure of the sulfotransferase domain of human heparan sulfate N-deacetylase/N-sulfotransferase 1. <i>Journal of Biological Chemistry</i> , 1999 , 274, 10673-6	5.4	108
127	A structural solution for the DNA polymerase lambda-dependent repair of DNA gaps with minimal homology. <i>Molecular Cell</i> , 2004 , 13, 561-72	17.6	107
126	Crystal structure of human catecholamine sulfotransferase. <i>Journal of Molecular Biology</i> , 1999 , 293, 521-39	3.9	104
125	Enzymatic redesigning of biologically active heparan sulfate. <i>Journal of Biological Chemistry</i> , 2005 , 280, 42817-25	5.4	102

124	Anticoagulant heparan sulfate: structural specificity and biosynthesis. <i>Applied Microbiology and Biotechnology</i> , 2007 , 74, 263-72	5.7	101
123	Structure of a signal transduction regulator, RACK1, from <i>Arabidopsis thaliana</i> . <i>Protein Science</i> , 2008 , 17, 1771-80	6.3	96
122	Modifying the beta,gamma leaving-group bridging oxygen alters nucleotide incorporation efficiency, fidelity, and the catalytic mechanism of DNA polymerase beta. <i>Biochemistry</i> , 2007 , 46, 461-71 ^{3.2}	3.2	94
121	Crystal structure of the human estrogen sulfotransferase-PAPS complex: evidence for catalytic role of Ser137 in the sulfuryl transfer reaction. <i>Journal of Biological Chemistry</i> , 2002 , 277, 17928-32	5.4	90
120	The structure of the dust mite allergen Der p 7 reveals similarities to innate immune proteins. <i>Journal of Allergy and Clinical Immunology</i> , 2010 , 125, 909-917.e4	11.5	89
119	The dimerization motif of cytosolic sulfotransferases. <i>FEBS Letters</i> , 2001 , 490, 39-43	3.8	88
118	Structural analysis of strand misalignment during DNA synthesis by a human DNA polymerase. <i>Cell</i> , 2006 , 124, 331-42	56.2	86
117	Crystal structure of SULT2A3, human hydroxysteroid sulfotransferase. <i>FEBS Letters</i> , 2000 , 475, 61-4	3.8	86
116	Energy analysis of chemistry for correct insertion by DNA polymerase beta. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 13294-9	11.5	85
115	Diversity Outbred Mice Identify Population-Based Exposure Thresholds and Genetic Factors that Influence Benzene-Induced Genotoxicity. <i>Environmental Health Perspectives</i> , 2015 , 123, 237-45	8.4	83
114	Structural insight into the substrate specificity of DNA Polymerase mu. <i>Nature Structural and Molecular Biology</i> , 2007 , 14, 45-53	17.6	82
113	Crystal structure of an alpha 1,4-N-acetylhexosaminyltransferase (EXTL2), a member of the exostosin gene family involved in heparan sulfate biosynthesis. <i>Journal of Biological Chemistry</i> , 2003 , 278, 14420-8	5.4	81
112	Identification of the calcium binding site and a novel ytterbium site in blood coagulation factor XIII by x-ray crystallography. <i>Journal of Biological Chemistry</i> , 1999 , 274, 4917-23	5.4	81
111	Structural evidence that the activation peptide is not released upon thrombin cleavage of factor XIII. <i>Thrombosis Research</i> , 1995 , 78, 389-97	8.2	79
110	Mimicking of estradiol binding by flame retardants and their metabolites: a crystallographic analysis. <i>Environmental Health Perspectives</i> , 2013 , 121, 1194-9	8.4	71
109	Structural analysis of the sulfotransferase (3-o-sulfotransferase isoform 3) involved in the biosynthesis of an entry receptor for herpes simplex virus 1. <i>Journal of Biological Chemistry</i> , 2004 , 279, 45185-93	5.4	69
108	Ara h 2: crystal structure and IgE binding distinguish two subpopulations of peanut allergic patients by epitope diversity. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2011 , 66, 878-85	9.3	67
107	Structural analysis by X-ray crystallography and calorimetry of a haemagglutinin component (HA1) of the progenitor toxin from <i>Clostridium botulinum</i> . <i>Microbiology (United Kingdom)</i> , 2003 , 149, 3361-3370 ^{2.9}	2.9	67

106	Crystal structure of beta 1,3-glucuronyltransferase I in complex with active donor substrate UDP-GlcUA. <i>Journal of Biological Chemistry</i> , 2002 , 277, 21869-73	5.4	63
105	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. <i>Journal of Biological Chemistry</i> , 2008 , 283, 16801-7	5.4	60
104	Structure-function studies of DNA polymerase lambda. <i>DNA Repair</i> , 2005 , 4, 1358-67	4.3	60
103	Engineering sulfotransferases to modify heparan sulfate. <i>Nature Chemical Biology</i> , 2008 , 4, 200-2	11.7	59
102	Crystal structure and mutational analysis of heparan sulfate 3-O-sulfotransferase isoform 1. <i>Journal of Biological Chemistry</i> , 2004 , 279, 25789-97	5.4	58
101	Stable RAGE-heparan sulfate complexes are essential for signal transduction. <i>ACS Chemical Biology</i> , 2013 , 8, 1611-20	4.9	57
100	Structural insight into the DNA polymerase beta deoxyribose phosphate lyase mechanism. <i>DNA Repair</i> , 2005 , 4, 1347-57	4.3	57
99	Crystal structure of human cholesterol sulfotransferase (SULT2B1b) in the presence of pregnenolone and 3H-phosphoadenosine 5H-phosphate. Rationale for specificity differences between prototypical SULT2A1 and the SULT2BG1 isoforms. <i>Journal of Biological Chemistry</i> , 2003 , 278, 44593-9	5.4	57
98	DNA polymerase beta substrate specificity: side chain modulation of the "A-rule". <i>Journal of Biological Chemistry</i> , 2009 , 284, 31680-9	5.4	55
97	The novel structure of the cockroach allergen Bla g 1 has implications for allergenicity and exposure assessment. <i>Journal of Allergy and Clinical Immunology</i> , 2013 , 132, 1420-6	11.5	54
96	Crystal structure-based studies of cytosolic sulfotransferase. <i>Journal of Biochemical and Molecular Toxicology</i> , 2001 , 15, 67-75	3.4	53
95	Reaction mechanism of the epsilon subunit of E. coli DNA polymerase III: insights into active site metal coordination and catalytically significant residues. <i>Journal of the American Chemical Society</i> , 2009 , 131, 1550-6	16.4	52
94	Serological, genomic and structural analyses of the major mite allergen Der p 23. <i>Clinical and Experimental Allergy</i> , 2016 , 46, 365-76	4.1	52
93	Role of the catalytic metal during polymerization by DNA polymerase lambda. <i>DNA Repair</i> , 2007 , 6, 1333-40	4.9	51
92	(R)-beta,gamma-fluoromethylene-dGTP-DNA ternary complex with DNA polymerase beta. <i>Journal of the American Chemical Society</i> , 2007 , 129, 15412-3	16.4	51
91	Crystallographic analysis of a hydroxylated polychlorinated biphenyl (OH-PCB) bound to the catalytic estrogen binding site of human estrogen sulfotransferase. <i>Environmental Health Perspectives</i> , 2003 , 111, 884-8	8.4	51
90	Glucosaminylglycan biosynthesis: what we can learn from the X-ray crystal structures of glycosyltransferases GlcAT1 and EXTL2. <i>Biochemical and Biophysical Research Communications</i> , 2003 , 303, 393-8	3.4	50
89	Substrate gating confers steroid specificity to estrogen sulfotransferase. <i>Journal of Biological Chemistry</i> , 1999 , 274, 30019-22	5.4	48

88	Sustained active site rigidity during synthesis by human DNA polymerase β <i>Nature Structural and Molecular Biology</i> , 2014 , 21, 253-60	17.6	47
87	Mutagenic conformation of 8-oxo-7,8-dihydro-2dGTP in the confines of a DNA polymerase active site. <i>Nature Structural and Molecular Biology</i> , 2010 , 17, 889-90	17.6	47
86	Incorrect nucleotide insertion at the active site of a G:A mismatch catalyzed by DNA polymerase beta. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 5670-4	11.5	46
85	Halogenated beta,gamma-methylene- and ethylidene-dGTP-DNA ternary complexes with DNA polymerase beta: structural evidence for stereospecific binding of the fluoromethylene analogues. <i>Journal of the American Chemical Society</i> , 2010 , 132, 7617-25	16.4	45
84	Template strand scrunching during DNA gap repair synthesis by human polymerase lambda. <i>Nature Structural and Molecular Biology</i> , 2009 , 16, 967-72	17.6	45
83	Structural determinants of the bifunctional corn Hageman factor inhibitor: x-ray crystal structure at 1.95 Å resolution. <i>Biochemistry</i> , 1998 , 37, 15277-88	3.2	45
82	Der p 5 crystal structure provides insight into the group 5 dust mite allergens. <i>Journal of Biological Chemistry</i> , 2010 , 285, 25394-401	5.4	44
81	Structure-function studies of DNA polymerase β <i>Biochemistry</i> , 2014 , 53, 2781-92	3.2	43
80	Structure and function studies of factor XIIIa by x-ray crystallography. <i>Seminars in Thrombosis and Hemostasis</i> , 1996 , 22, 377-84	5.3	43
79	A role of Lys614 in the sulfotransferase activity of human heparan sulfate N-deacetylase/N-sulfotransferase. <i>FEBS Letters</i> , 1998 , 433, 211-4	3.8	43
78	Dissecting the substrate recognition of 3-O-sulfotransferase for the biosynthesis of anticoagulant heparin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 5265-70	11.5	42
77	Time-lapse crystallography snapshots of a double-strand break repair polymerase in action. <i>Nature Communications</i> , 2017 , 8, 253	17.4	41
76	Analysis of glutathione S-transferase allergen cross-reactivity in a North American population: Relevance for molecular diagnosis. <i>Journal of Allergy and Clinical Immunology</i> , 2015 , 136, 1369-1377	11.5	40
75	Novel DNA motif binding activity observed in vivo with an estrogen receptor β mutant mouse. <i>Molecular Endocrinology</i> , 2014 , 28, 899-911		40
74	Alpha,beta-difluoromethylene deoxynucleoside 5' triphosphates: a convenient synthesis of useful probes for DNA polymerase beta structure and function. <i>Organic Letters</i> , 2009 , 11, 1883-6	6.2	39
73	Redirecting the substrate specificity of heparan sulfate 2-O-sulfotransferase by structurally guided mutagenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 18724-9	11.5	39
72	Structural insights into the mechanism of nuclease A, a betabeta alpha metal nuclease from Anabaena. <i>Journal of Biological Chemistry</i> , 2005 , 280, 27990-7	5.4	39
71	The molecular basis of peanut allergy. <i>Current Allergy and Asthma Reports</i> , 2014 , 14, 429	5.6	38

70	Structure-function analysis of ribonucleotide bypass by B family DNA replicases. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 16802-7	11.5	37
69	Structural analysis of the activation-induced deoxycytidine deaminase required in immunoglobulin diversification. <i>DNA Repair</i> , 2016 , 43, 48-56	4.3	36
68	Amino acid substitution in the active site of DNA polymerase β explains the energy barrier of the nucleotidyl transfer reaction. <i>Journal of the American Chemical Society</i> , 2013 , 135, 8078-88	16.4	36
67	Synthesis and biological evaluation of fluorinated deoxynucleotide analogs based on bis-(difluoromethylene)triphosphoric acid. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 15693-8	11.5	36
66	Nucleotide-induced DNA polymerase active site motions accommodating a mutagenic DNA intermediate. <i>Structure</i> , 2005 , 13, 1225-33	5.2	35
65	The catalytic cycle for ribonucleotide incorporation by human DNA Pol β <i>Nucleic Acids Research</i> , 2012 , 40, 7518-27	20.1	34
64	Substrate-induced DNA strand misalignment during catalytic cycling by DNA polymerase lambda. <i>EMBO Reports</i> , 2008 , 9, 459-64	6.5	34
63	Molecular mechanism of substrate specificity for heparan sulfate 2-O-sulfotransferase. <i>Journal of Biological Chemistry</i> , 2014 , 289, 13407-18	5.4	33
62	Promiscuous mismatch extension by human DNA polymerase lambda. <i>Nucleic Acids Research</i> , 2006 , 34, 3259-66	20.1	32
61	Structure and function of HNK-1 sulfotransferase. Identification of donor and acceptor binding sites by site-directed mutagenesis. <i>Journal of Biological Chemistry</i> , 1999 , 274, 25608-12	5.4	31
60	Molecular determinants of the stereoselectivity of agonist activity of estrogen receptors (ER) alpha and beta. <i>Journal of Biological Chemistry</i> , 2003 , 278, 12255-62	5.4	30
59	Mouse steroid sulfotransferases: substrate specificity and preliminary X-ray crystallographic analysis. <i>Biochemical Pharmacology</i> , 1998 , 55, 313-7	6	30
58	Understanding the substrate specificity of the heparan sulfate sulfotransferases by an integrated biosynthetic and crystallographic approach. <i>Current Opinion in Structural Biology</i> , 2012 , 22, 550-7	8.1	29
57	Structure of the Escherichia coli DNA polymerase III epsilon-HOT proofreading complex. <i>Journal of Biological Chemistry</i> , 2006 , 281, 38466-71	5.4	29
56	A comparison of BRCT domains involved in nonhomologous end-joining: introducing the solution structure of the BRCT domain of polymerase lambda. <i>DNA Repair</i> , 2008 , 7, 1340-51	4.3	28
55	Structure Based Substrate Specificity Analysis of Heparan Sulfate 6-O-Sulfotransferases. <i>ACS Chemical Biology</i> , 2017 , 12, 73-82	4.9	26
54	Creative template-dependent synthesis by human polymerase mu. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, E4530-6	11.5	23
53	Structures of DNA-bound human ligase IV catalytic core reveal insights into substrate binding and catalysis. <i>Nature Communications</i> , 2018 , 9, 2642	17.4	23

52	Nuclear Localization of the DNA Repair Scaffold XRCC1: Uncovering the Functional Role of a Bipartite NLS. <i>Scientific Reports</i> , 2015 , 5, 13405	4.9	23
51	Characterization of a replicative DNA polymerase mutant with reduced fidelity and increased translesion synthesis capacity. <i>Nucleic Acids Research</i> , 2008 , 36, 3892-904	20.1	23
50	Structure of DNA polymerase beta with a benzo[c]phenanthrene diol epoxide-adducted template exhibits mutagenic features. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 17231-6	11.5	23
49	The nuclease a-inhibitor complex is characterized by a novel metal ion bridge. <i>Journal of Biological Chemistry</i> , 2007 , 282, 5682-90	5.4	23
48	100 Years later: Celebrating the contributions of x-ray crystallography to allergy and clinical immunology. <i>Journal of Allergy and Clinical Immunology</i> , 2015 , 136, 29-37.e10	11.5	22
47	Structures of DNA Polymerase Mispaiored DNA Termini Transitioning to Pre-catalytic Complexes Support an Induced-Fit Fidelity Mechanism. <i>Structure</i> , 2016 , 24, 1863-1875	5.2	22
46	Structural accommodation of ribonucleotide incorporation by the DNA repair enzyme polymerase Mu. <i>Nucleic Acids Research</i> , 2017 , 45, 9138-9148	20.1	22
45	Mutational study of heparan sulfate 2-O-sulfotransferase and chondroitin sulfate 2-O-sulfotransferase. <i>Journal of Biological Chemistry</i> , 2007 , 282, 8356-67	5.4	22
44	Selective unfolding of one Ribonuclease H domain of HIV reverse transcriptase is linked to homodimer formation. <i>Nucleic Acids Research</i> , 2014 , 42, 5361-77	20.1	21
43	Structural insights into catalytic and substrate binding mechanisms of the strategic EndA nuclease from <i>Streptococcus pneumoniae</i> . <i>Nucleic Acids Research</i> , 2011 , 39, 2943-53	20.1	21
42	Functional residues on the surface of the N-terminal domain of yeast Pms1. <i>DNA Repair</i> , 2010 , 9, 448-57	4.3	21
41	Role of Deacetylase Activity of N-Deacetylase/N-Sulfotransferase 1 in Forming N-Sulfated Domain in Heparan Sulfate. <i>Journal of Biological Chemistry</i> , 2015 , 290, 20427-37	5.4	19
40	³ U-Phosphoadenosine ⁵ U-phosphosulfate binding site of flavonol 3-sulfotransferase studied by affinity chromatography and ³¹ P NMR. <i>Biochemistry</i> , 1999 , 38, 4066-71	3.2	19
39	Heparan sulfate biosynthesis: a theoretical study of the initial sulfation step by N-deacetylase/N-sulfotransferase. <i>Biophysical Journal</i> , 2000 , 79, 2909-17	2.9	17
38	Heparan sulphate N-sulphotransferase activity: reaction mechanism and substrate recognition. <i>Biochemical Society Transactions</i> , 2003 , 31, 331-4	5.1	15
37	Explicit water near the catalytic I helix Thr in the predicted solution structure of CYP2A4. <i>Biophysical Journal</i> , 2003 , 84, 57-68	2.9	14
36	Thr176 regulates the activity of the mouse nuclear receptor CAR and is conserved in the NR11 subfamily members PXR and VDR. <i>Biochemical Journal</i> , 2005 , 388, 623-30	3.8	14
35	A Structural Basis for Biguanide Activity. <i>Biochemistry</i> , 2017 , 56, 4786-4798	3.2	13

34	Interaction of the phosphorylated DNA-binding domain in nuclear receptor CAR with its ligand-binding domain regulates CAR activation. <i>Journal of Biological Chemistry</i> , 2018 , 293, 333-344	5.4	13
33	Searching for the minimum energy path in the sulfuryl transfer reaction catalyzed by human estrogen sulfotransferase: Role of enzyme dynamics. <i>International Journal of Quantum Chemistry</i> , 2006 , 106, 2981-2998	2.1	12
32	Modeling of the DNA-binding site of yeast Pms1 by mass spectrometry. <i>DNA Repair</i> , 2011 , 10, 454-65	4.3	11
31	A conformational change in heparan sulfate 3-O-sulfotransferase-1 is induced by binding to heparan sulfate. <i>Biochemistry</i> , 2004 , 43, 4680-8	3.2	11
30	Structure-function modeling of the interactions of N-alkyl-N-hydroxyanilines with rat hepatic aryl sulfotransferase IV. <i>Chemical Research in Toxicology</i> , 2000 , 13, 1251-8	4	11
29	The natural estrogenic compound diarylheptanoid (D3): in vitro mechanisms of action and in vivo uterine responses via estrogen receptor α . <i>Environmental Health Perspectives</i> , 2013 , 121, 433-9	8.4	10
28	Inhibitors of Streptococcus pneumoniae surface endonuclease EndA discovered by high-throughput screening using a PicoGreen fluorescence assay. <i>Journal of Biomolecular Screening</i> , 2013 , 18, 247-57		10
27	Characterization of the APLF FHA-XRCC1 phosphopeptide interaction and its structural and functional implications. <i>Nucleic Acids Research</i> , 2017 , 45, 12374-12387	20.1	9
26	Activation-induced deoxycytidine deaminase: Structural basis for favoring WRC hot motif specificities unique among APOBEC family members. <i>DNA Repair</i> , 2017 , 54, 8-12	4.3	8
25	Structural characterization of the virulence factor Sda1 nuclease from Streptococcus pyogenes. <i>Nucleic Acids Research</i> , 2016 , 44, 3946-57	20.1	8
24	Unfolding the HIV-1 reverse transcriptase RNase H domain--how to lose a molecular tug-of-war. <i>Nucleic Acids Research</i> , 2016 , 44, 1776-88	20.1	8
23	A ubiquitin-like domain is required for stabilizing the N-terminal ATPase module of human SMCHD1. <i>Communications Biology</i> , 2019 , 2, 255	6.7	6
22	Characterization of an anti-Bla _g 1 scFv: epitope mapping and cross-reactivity. <i>Molecular Immunology</i> , 2014 , 59, 200-7	4.3	6
21	Ligand binding characteristics of the Ku80 von Willebrand domain. <i>DNA Repair</i> , 2020 , 85, 102739	4.3	6
20	Structural Analysis of Recent Allergen-Antibody Complexes and Future Directions. <i>Current Allergy and Asthma Reports</i> , 2019 , 19, 17	5.6	6
19	Unexpected behavior of DNA polymerase Mu opposite template 8-oxo-7,8-dihydro-2'-deoxyguanosine. <i>Nucleic Acids Research</i> , 2019 , 47, 9410-9422	20.1	5
18	Structural characterization of the virulence factor nuclease A from Streptococcus agalactiae. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2014 , 70, 2937-49		5
17	A quantum mechanical study of the transfer of biological sulfate. <i>Computational and Theoretical Chemistry</i> , 1999 , 461-462, 105-111		5

16	The corn inhibitor of blood coagulation factor XIIa. Crystallization and preliminary crystallographic analysis. <i>Journal of Molecular Biology</i> , 1994 , 236, 385-7	6.5	5
15	Probing Dominant Negative Behavior of Glucocorticoid Receptor Through a Hybrid Structural and Biochemical Approach. <i>Molecular and Cellular Biology</i> , 2018 , 38,	4.8	4
14	Using engineered 6--sulfotransferase to improve the synthesis of anticoagulant heparin. <i>Organic and Biomolecular Chemistry</i> , 2020 , 18, 8094-8102	3.9	3
13	The Structural Basis for Nonsteroidal Anti-Inflammatory Drug Inhibition of Human Dihydrofolate Reductase. <i>Journal of Medicinal Chemistry</i> , 2020 , 63, 8314-8324	8.3	3
12	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,	11.5	3
11	Deciphering the substrate recognition mechanisms of the heparan sulfate 3--sulfotransferase-3. <i>RSC Chemical Biology</i> , 2021 , 2, 1239-1248	3	3
10	Evaluation of the allergenic activity of the Glutathione Transferase from <i>Blomia tropicalis</i> (Blo t 8) in a mouse model of airway inflammation. <i>Journal of Allergy and Clinical Immunology</i> , 2019 , 143, AB187	11.5	2
9	Structural snapshots of human DNA polymerase engaged on a DNA double-strand break. <i>Nature Communications</i> , 2020 , 11, 4784	17.4	2
8	Variations in nuclear localization strategies among pol X family enzymes. <i>Traffic</i> , 2018 , 19, 723	5.7	2
7	Small Molecule Inhibitors of the Sulfotransferases 2005 , 781-801		1
6	Structural and substrate specificity analysis of 3--sulfotransferase isoform 5 to synthesize heparan sulfate.. <i>ACS Catalysis</i> , 2021 , 11, 14956-14966	13.1	1
5	Crystal Structure-Based Analysis of Human Glucuronyltransferase 1.. <i>Trends in Glycoscience and Glycotechnology</i> , 2001 , 13, 121-129	0.1	1
4	DNA polymerase mu: An inflexible scaffold for substrate flexibility. <i>DNA Repair</i> , 2020 , 93, 102932	4.3	1
3	Crystallographic analysis and mimicking of estradiol binding: Pedersen et al. Respond. <i>Environmental Health Perspectives</i> , 2014 , 122, A91-2	8.4	
2	Variations in Nuclear Localization Strategies Among Pol X Family Enzymes. <i>FASEB Journal</i> , 2018 , 32, 786.1-10		
1	Structural and functional consequences of SMCHD1 mutations associated with arhinia and muscular dystrophy. <i>FASEB Journal</i> , 2019 , 33, 493.5	0.9	