

# Sheng-Xiang Lin

## List of Publications by Year in descending order

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133  
papers

4,678  
citations

117453

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106150

65  
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135  
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135  
docs citations

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times ranked

4087  
citing authors

#	ARTICLE	IF	CITATIONS
1	Endocrine and Intracrine Sources of Androgens in Women: Inhibition of Breast Cancer and Other Roles of Androgens and Their Precursor Dehydroepiandrosterone. <i>Endocrine Reviews</i> , 2003, 24, 152-182.	8.9	500
2	The key role of 17 $\beta$ -hydroxysteroid dehydrogenases in sex steroid biology. <i>Steroids</i> , 1997, 62, 148-158.	0.8	448
3	Is dehydroepiandrosterone a hormone?. <i>Journal of Endocrinology</i> , 2005, 187, 169-196.	1.2	417
4	Structure of human estrogenic 17 $\beta$ -hydroxysteroid dehydrogenase at 2.20 Å resolution. <i>Structure</i> , 1995, 3, 503-513.	1.6	260
5	Crystal structure of human estrogenic 17 $\beta$ -hydroxysteroid dehydrogenase complexed with 17 $\beta$ -estradiol. <i>Nature Structural and Molecular Biology</i> , 1996, 3, 665-668.	3.6	136
6	Role of 17 $\beta$ -Hydroxysteroid Dehydrogenases in Sex Steroid Formation in Peripheral Intracrine Tissues. <i>Trends in Endocrinology and Metabolism</i> , 2000, 11, 421-427.	3.1	124
7	Molecular therapy of breast cancer: progress and future directions. <i>Nature Reviews Endocrinology</i> , 2010, 6, 485-493.	4.3	104
8	Pseudo-symmetry of C19-steroids, alternative binding orientations and multispecificity in human estrogenic 17 $\beta$ -hydroxysteroid dehydrogenase. <i>FASEB Journal</i> , 2003, 17, 274-276.	0.2	88
9	Crystal structure of human dehydroepiandrosterone sulphotransferase in complex with substrate. <i>Biochemical Journal</i> , 2002, 364, 165-171.	1.7	87
10	Magnet Used for Protein Crystallization: Novel Attempts to Improve the Crystal Quality. <i>Biochemical and Biophysical Research Communications</i> , 2000, 275, 274-278.	1.0	86
11	A concerted, rational design of type 1 17 $\beta$ -hydroxysteroid dehydrogenase inhibitors: estradiol-adenosine hybrids with high affinity. <i>FASEB Journal</i> , 2002, 16, 1-26.	0.2	74
12	Crystal Structures of the Multispecific 17 $\beta$ -Hydroxysteroid Dehydrogenase Type 5: Critical Androgen Regulation in Human Peripheral Tissues. <i>Molecular Endocrinology</i> , 2004, 18, 1798-1807.	3.7	72
13	Binary and ternary crystal structure analyses of a novel inhibitor with 17 $\beta$ -HSD type 1: a lead compound for breast cancer therapy. <i>Biochemical Journal</i> , 2009, 424, 357-366.	1.7	72
14	Cofactor Hydrogen Bonding onto the Protein Main Chain Is Conserved in the Short Chain Dehydrogenase/Reductase Family and Contributes to Nicotinamide Orientation. <i>Journal of Biological Chemistry</i> , 2004, 279, 16778-16785.	1.6	69
15	17 $\beta$ -Hydroxysteroid Dehydrogenase Type 1 Stimulates Breast Cancer by Dihydrotestosterone Inactivation in Addition to Estradiol Production. <i>Molecular Endocrinology</i> , 2010, 24, 832-845.	3.7	66
16	Novel Coronavirus Polymerase and Nucleotidyl-Transferase Structures: Potential to Target New Outbreaks. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 4430-4435.	2.1	63
17	Crystallization and Preliminary X-ray Diffraction Analysis of the Complex of Human Placental 17 $\beta$ -Hydroxysteroid Dehydrogenase with NADP <sup>+</sup> . <i>Journal of Molecular Biology</i> , 1993, 234, 242-244.	2.0	57
18	Critical Residues for the Specificity of Cofactors and Substrates in Human Estrogenic 17 $\beta$ -Hydroxysteroid Dehydrogenase 1: Variants Designed from the Three-Dimensional Structure of the Enzyme. <i>Molecular Endocrinology</i> , 2001, 15, 2010-2020.	3.7	55

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19	Structure of the Human 3 $\beta$ -Hydroxysteroid Dehydrogenase Type 3 in Complex with Testosterone and NADP at 1.25-Å... Resolution. <i>Journal of Biological Chemistry</i> , 2001, 276, 42091-42098.	1.6	53
20	Identifying Androsterone (ADT) as a Cognate Substrate for Human Dehydroepiandrosterone Sulfotransferase (DHEA-ST) Important for Steroid Homeostasis. <i>Journal of Biological Chemistry</i> , 2004, 279, 2689-2696.	1.6	53
21	Structural Insight into NS5 of Zika Virus Leading to the Discovery of MTase Inhibitors. <i>Journal of the American Chemical Society</i> , 2016, 138, 16212-16215.	6.6	52
22	Comparison of Functional Proteomic Analyses of Human Breast Cancer Cell Lines T47D and MCF7. <i>PLoS ONE</i> , 2012, 7, e31532.	1.1	52
23	Pterin and Folate Reduction by the <i>Leishmania tarentolae</i> H Locus Short-Chain Dehydrogenase/Reductase PTR1. <i>Archives of Biochemistry and Biophysics</i> , 1997, 342, 197-202.	1.4	51
24	Current knowledge of the multifunctional 17 $\beta$ -hydroxysteroid dehydrogenase type 1 (HSD17B1). <i>Gene</i> , 2016, 588, 54-61.	1.0	51
25	Dehydroepiandrosterone and Dihydrotestosterone Recognition by Human Estrogenic 17 $\beta$ -Hydroxysteroid Dehydrogenase. <i>Journal of Biological Chemistry</i> , 2000, 275, 1105-1111.	1.6	50
26	Estradiol-Adenosine Hybrid Compounds Designed to Inhibit Type 1 17 $\beta$ -Hydroxysteroid Dehydrogenase. <i>Journal of Medicinal Chemistry</i> , 2005, 48, 8134-8147.	2.9	48
27	Human Estrogenic 17 $\beta$ -Hydroxysteroid Dehydrogenase: Predominance of Estrone Reduction and Its Induction by NADPH. <i>Biochemical and Biophysical Research Communications</i> , 1999, 259, 489-493.	1.0	47
28	The Ternary Structure of the Double-headed Arrowhead Protease Inhibitor API-A Complexed with Two Trypsins Reveals a Novel Reactive Site Conformation. <i>Journal of Biological Chemistry</i> , 2009, 284, 26676-26684.	1.6	46
29	17 $\beta$ -hydroxysteroid dehydrogenase type 1 modulates breast cancer protein profile and impacts cell migration. <i>Breast Cancer Research</i> , 2012, 14, R92.	2.2	46
30	Structural basis of the multispecificity demonstrated by 17 $\beta$ -hydroxysteroid dehydrogenase types 1 and 5. <i>Molecular and Cellular Endocrinology</i> , 2006, 248, 38-46.	1.6	45
31	Human oestrogenic 17 $\beta$ -hydroxysteroid dehydrogenase specificity: enzyme regulation through an NADPH-dependent substrate inhibition towards the highly specific oestrone reduction. <i>Biochemical Journal</i> , 2001, 356, 269-276.	1.7	44
32	Structure-based Inhibitor Design for an Enzyme That Binds Different Steroids. <i>Journal of Biological Chemistry</i> , 2007, 282, 8368-8379.	1.6	42
33	Reductive 17 $\beta$ -hydroxysteroid dehydrogenases in the sulfatase pathway: Critical in the cell proliferation of breast cancer. <i>Molecular and Cellular Endocrinology</i> , 2009, 301, 183-190.	1.6	40
34	Fluorescence-Energy Transfer in Human Estradiol 17 $\beta$ -Dehydrogenase-NADPH Complex and Studies on the Coenzyme Binding. <i>FEBS Journal</i> , 1996, 235, 180-186.	0.2	37
35	Human 17 $\beta$ -hydroxysteroid dehydrogenase: overproduction using a baculovirus expression system and characterization. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 1994, 50, 275-282.	1.2	34
36	Purification, Reconstitution, and Steady-state Kinetics of the Trans-membrane 17 $\beta$ -Hydroxysteroid Dehydrogenase 2. <i>Journal of Biological Chemistry</i> , 2002, 277, 22123-22130.	1.6	33

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37	Chemical synthesis of 16 $\beta$ -propylaminoacyl derivatives of estradiol and their inhibitory potency on type 1 17 $\beta$ -hydroxysteroid dehydrogenase and binding affinity on steroid receptors. <i>Steroids</i> , 2001, 66, 821-831.	0.8	32
38	A Challenge for Medicinal Chemistry by the 17 $\beta$ -hydroxysteroid Dehydrogenase Superfamily: An Integrated Biological Function and Inhibition Study. <i>Current Topics in Medicinal Chemistry</i> , 2013, 13, 1164-1171.	1.0	32
39	Design and synthesis of bisubstrate inhibitors of type 1 17 $\beta$ -hydroxysteroid dehydrogenase: Overview and perspectives. <i>European Journal of Medicinal Chemistry</i> , 2008, 43, 2298-2306.	2.6	31
40	Reductive 17 $\beta$ -hydroxysteroid dehydrogenases which synthesize estradiol and inactivate dihydrotestosterone constitute major and concerted players in ER+ breast cancer cells. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2015, 150, 24-34.	1.2	30
41	Critical Residues for the Specificity of Cofactors and Substrates in Human Estrogenic 17 $\beta$ -Hydroxysteroid Dehydrogenase 1: Variants Designed from the Three-Dimensional Structure of the Enzyme. <i>Molecular Endocrinology</i> , 2001, 15, 2010-2020.	3.7	30
42	Recombinant Phenotyping of Cytomegalovirus UL54 Mutations That Emerged during Cell Passages in the Presence of either Ganciclovir or Foscarnet. <i>Antimicrobial Agents and Chemotherapy</i> , 2011, 55, 4019-4027.	1.4	28
43	Estradiol-independent modulation of breast cancer transcript profile by 17 $\beta$ -hydroxysteroid dehydrogenase type 1. <i>Molecular and Cellular Endocrinology</i> , 2017, 439, 175-186.	1.6	27
44	Human oestrogenic 17 $\beta$ -hydroxysteroid dehydrogenase specificity: enzyme regulation through an NADPH-dependent substrate inhibition towards the highly specific oestrone reduction. <i>Biochemical Journal</i> , 2001, 356, 269.	1.7	26
45	Estrone and estradiol C-16 derivatives as inhibitors of type 1 17 $\beta$ -hydroxysteroid dehydrogenase. <i>Molecular and Cellular Endocrinology</i> , 2006, 248, 236-238.	1.6	25
46	Synergistic control of sex hormones by 17 $\beta$ -HSD type 7: a novel target for estrogen-dependent breast cancer. <i>Journal of Molecular Cell Biology</i> , 2015, 7, 568-579.	1.5	25
47	3D-structure of human estrogenic 17 $\beta$ -HSD1: binding with various steroids. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 1999, 69, 425-429.	1.2	24
48	The Contribution of 17 $\beta$ -Hydroxysteroid Dehydrogenase Type 1 to the Estradiol-Estrone Ratio in Estrogen-Sensitive Breast Cancer Cells. <i>PLoS ONE</i> , 2012, 7, e29835.	1.1	24
49	The zinc-binding site of a class I aminoacyl-tRNA synthetase is a SWIM domain that modulates amino acid binding via the tRNA acceptor arm. <i>FEBS Journal</i> , 2004, 271, 724-733.	0.2	23
50	Interaction of Androst-5-ene-3 $\beta$ ,17 $\beta$ -diol and 5 $\alpha$ -androstane-3 $\beta$ ,17 $\beta$ -diol with estrogen and androgen receptors: A combined binding and cell study. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2013, 137, 316-321.	1.2	22
51	Monte Carlo-minimized energy profile of estradiol in the ligand-binding tunnel of 17 $\beta$ -hydroxysteroid dehydrogenase: Atomic mechanisms of steroid recognition. , 2000, 38, 414-427.		21
52	Human dehydroepiandrosterone sulfotransferase: purification and characterization of a recombinant protein. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2001, 77, 159-165.	1.2	21
53	17 $\beta$ -hydroxysteroid dehydrogenase type 5 is negatively correlated to apoptosis inhibitor GRP78 and tumor-secreted protein PGK1, and modulates breast cancer cell viability and proliferation. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2017, 171, 270-280.	1.2	21
54	Three-dimensional modeling of cytomegalovirus DNA polymerase and preliminary analysis of drug resistance. <i>Proteins: Structure, Function and Bioinformatics</i> , 2006, 64, 301-307.	1.5	20

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55	Higher specific activity of the Escherichia coli glutamyl-tRNA synthetase purified to homogeneity by a six-hour procedure. <i>Protein Expression and Purification</i> , 1992, 3, 71-74.	0.6	19
56	Rapid purification yielding highly active 17 $\beta$ -hydroxysteroid dehydrogenase: application of hydrophobic interaction and affinity fast protein liquid chromatography. <i>Biomedical Applications</i> , 1992, 582, 71-76.	1.7	19
57	An Extensive Study of Protein Phase Diagram Modification: Increasing Macromolecular Crystallizability by Temperature Screening. <i>Crystal Growth and Design</i> , 2008, 8, 4277-4283.	1.4	18
58	Synthesis of a First Estradiol-Adenosine Hybrid Compound. <i>Synthetic Communications</i> , 2003, 33, 3183-3192.	1.1	17
59	Opposite effect of two cytomegalovirus DNA polymerase mutations on replicative capacity and polymerase activity. <i>Antiviral Therapy</i> , 2010, 15, 579-586.	0.6	17
60	Genomic data on breast cancer transcript profile modulation by 17 $\beta$ -hydroxysteroid dehydrogenase type 1 and 17 $\beta$ -estradiol. <i>Data in Brief</i> , 2016, 9, 1000-1012.	0.5	17
61	The crystallogenesi of a human estradiol dehydrogenase-substrate complex. <i>Journal of Crystal Growth</i> , 1996, 168, 275-279.	0.7	16
62	Human 3 $\alpha$ -hydroxysteroid dehydrogenase type 3 (3 $\alpha$ -HSD3): The V54L mutation restricting the steroid alternative binding and enhancing the 20 $\alpha$ -HSD activity. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2014, 141, 135-143.	1.2	16
63	Steroid sulfatase inhibition success and limitation in breast cancer clinical assays: An underlying mechanism. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2018, 183, 80-93.	1.2	16
64	Structure Analysis of a New Psychrophilic Marine Protease. <i>PLoS ONE</i> , 2011, 6, e26939.	1.1	15
65	Human 3 $\alpha$ -hydroxysteroid dehydrogenase type 3: structural clues of 5 $\alpha$ -DHT reverse binding and enzyme down-regulation decreasing MCF7 cell growth. <i>Biochemical Journal</i> , 2016, 473, 1037-1046.	1.7	15
66	How estrogen-specific proteins discriminate estrogens from androgens: A common steroid-binding site architecture. <i>FASEB Journal</i> , 2003, 17, 1334-1336.	0.2	14
67	Monoclonal antibodies assisting refolding of firefly luciferase. <i>Protein Science</i> , 2004, 13, 1851-1858.	3.1	14
68	Substrate inhibition of 17 $\beta$ -HSD1 in living cells and regulation of 17 $\beta$ -HSD7 by 17 $\beta$ -HSD1 knockdown. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2017, 172, 36-45.	1.2	13
69	Membrane-Bound Human 3 $\alpha$ -Hydroxysteroid Dehydrogenase: Overexpression with His-Tag Using a Baculovirus System and Single-Step Purification. <i>Protein Expression and Purification</i> , 2000, 18, 169-174.	0.6	12
70	Impact of structural modifications at positions 13, 16 and 17 of 16 $\beta$ -(m-carbamoylbenzyl)-estradiol on 17 $\beta$ -hydroxysteroid dehydrogenase type 1 inhibition and estrogenic activity. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2016, 161, 24-35.	1.2	12
71	Inhibition of 17 $\beta$ -hydroxysteroid dehydrogenase type 7 modulates breast cancer protein profile and enhances apoptosis by down-regulating GRP78. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2017, 172, 188-197.	1.2	12
72	Structure of Escherichia coli Arginyl-tRNA Synthetase in Complex with tRNA <sup>Arg</sup> : Pivotal Role of the D-loop. <i>Journal of Molecular Biology</i> , 2018, 430, 1590-1606.	2.0	12

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73	Combined Biophysical Chemistry Reveals a New Covalent Inhibitor with a Low-Reactivity Alkyl Halide. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 5275-5280.	2.1	12
74	Crystal structures of human 17 $\beta$ -hydroxysteroid dehydrogenase type 1 complexed with estrone and NADP <sup>+</sup> reveal the mechanism of substrate inhibition. <i>FEBS Journal</i> , 2019, 286, 2155-2166.	2.2	12
75	Crystal structure of native cinnamomin isoform III and its comparison with other ribosome inactivating proteins. <i>Proteins: Structure, Function and Bioinformatics</i> , 2009, 74, 250-255.	1.5	11
76	Crystal Structures of Human Muscle Fructose-1,6-Bisphosphatase: Novel Quaternary States, Enhanced AMP Affinity, and Allosteric Signal Transmission Pathway. <i>PLoS ONE</i> , 2013, 8, e71242.	1.1	11
77	In vitro interactions between mammary fibroblasts (Hs 578Bst) and cancer epithelial cells (MCF-7) modulate aromatase, steroid sulfatase and 17 $\beta$ -hydroxysteroid dehydrogenases. <i>Molecular and Cellular Endocrinology</i> , 2015, 412, 339-348.	1.6	11
78	CRIF1 $\hat{=}$ CDK2 Interface Inhibitors: An Unprecedented Strategy for Modulation of Cell Radiosensitivity. <i>Journal of the American Chemical Society</i> , 2019, 141, 1420-1424.	6.6	11
79	Comparison of the roles of estrogens and androgens in breast cancer and prostate cancer. <i>Journal of Cellular Biochemistry</i> , 2020, 121, 2756-2769.	1.2	11
80	Human SARS-coronavirus RNA-dependent RNA polymerase: Activity determinants and nucleoside analogue inhibitors. <i>Proteins: Structure, Function and Bioinformatics</i> , 2004, 57, 12-14.	1.5	10
81	Molecular Mechanism of Inhibition of Steroid Dehydrogenases by Licorice-Derived Steroid Analogs in Modulation of Steroid Receptor Function. <i>Annals of the New York Academy of Sciences</i> , 1995, 761, 341-343.	1.8	9
82	Electrophoresis of hydrophobic proteins. <i>Analytica Chimica Acta</i> , 1999, 383, 101-107.	2.6	9
83	Dendritic Cell Immunoreceptor Is a New Target for Anti-AIDS Drug Development: Identification of DCIR/HIV-1 Inhibitors. <i>PLoS ONE</i> , 2013, 8, e67873.	1.1	9
84	Affinity purification of metalloprotease from marine bacterium using immobilized metal affinity chromatography. <i>Journal of Separation Science</i> , 2016, 39, 2050-2056.	1.3	9
85	Crystallization and preliminary crystal structure of the complex of 17 $\beta$ -hydroxysteroid dehydrogenase with a dual-site inhibitor. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 1999, 70, 229-235.	1.2	8
86	Crystallization and preliminary crystallographic data of fructose-1,6-bisphosphatase from human muscle. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2001, 57, 847-849.	2.5	8
87	Good Crystals, Still a Challenge for Structural Biology. <i>Crystal Growth and Design</i> , 2007, 7, 2124-2125.	1.4	8
88	Cold-active extracellular lipase: Expression in Sf9 insect cells, purification, and catalysis. <i>Biotechnology Reports (Amsterdam, Netherlands)</i> , 2019, 21, e00295.	2.1	8
89	CRIF1-CDK2 Interface Inhibitors Enhance Taxol Inhibition of the Lethal Triple-Negative Breast Cancer. <i>Cancers</i> , 2022, 14, 989.	1.7	8
90	The Study of Crystallization of Estrogenic 17 $\beta$ -Hydroxysteroid Dehydrogenase with DHEA and DHT at Elevated Temperature. <i>Biochemical and Biophysical Research Communications</i> , 2000, 277, 100-106.	1.0	7

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91	Crystallization and preliminary crystallographic results of apo and complex forms of human dehydroepiandrosterone sulfotransferase. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2001, 57, 1630-1633.	2.5	7
92	Mapping of Steroids Binding to 17 $\beta$ -Hydroxysteroid Dehydrogenase Type 1 Using Monte Carlo Energy Minimization Reveals Alternative Binding Modes. <i>Biochemistry</i> , 2005, 44, 7218-7227.	1.2	7
93	siRNA-based breast cancer therapy by suppressing 17 $\beta$ -hydroxysteroid dehydrogenase type 1 in an optimized xenograft cell and molecular biology model in vivo. <i>Drug Design, Development and Therapy</i> , 2019, Volume 13, 757-766.	2.0	7
94	Human endeavor for anti-SARS-CoV-2 pharmacotherapy: A major strategy to fight the pandemic. <i>Biomedicine and Pharmacotherapy</i> , 2021, 137, 111232.	2.5	7
95	Crystallization and preliminary crystallographic analysis of the snake muscle fructose 1,6-bisphosphatase. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 1999, 55, 1342-1344.	2.5	6
96	Mimicking postmenopausal steroid metabolism in breast cancer cell culture: Differences in response to DHEA or other steroids as hormone sources. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2016, 161, 92-100.	1.2	6
97	The dual sex hormone specificity for human reductive 17 $\beta$ -hydroxysteroid dehydrogenase type 7: Synergistic function in estrogen and androgen control. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2019, 186, 61-65.	1.2	6
98	Preparative fast purification procedure of various proteins for crystallization. <i>Journal of Crystal Growth</i> , 1992, 122, 242-245.	0.7	5
99	Crystallization of human estrogenic 17 $\beta$ -hydroxysteroid dehydrogenase under microgravity. <i>Journal of Crystal Growth</i> , 1995, 156, 108-111.	0.7	5
100	A microcrystal selection technique in protein crystallization. <i>Journal of Crystal Growth</i> , 1996, 168, 181-184.	0.7	5
101	Rapid purification of the over-expressed membrane 3 $\beta$ -hydroxysteroid dehydrogenase in the presence of detergents. <i>Journal of Crystal Growth</i> , 1996, 168, 142-149.	0.7	5
102	Crystallization and preliminary X-ray crystallographic analysis of the human type 3 $\beta$ -hydroxysteroid dehydrogenase at 1.8 $\text{\AA}$ resolution. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2001, 57, 589-591.	2.5	5
103	Transcriptome of 17 $\beta$ -hydroxysteroid dehydrogenase type 2 plays both hormone-dependent and hormone-independent roles in MCF-7 breast cancer cells. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2019, 195, 105471.	1.2	5
104	Preparation of the apoenzyme and holoenzyme forms of human 17 $\beta$ -hydroxysteroid dehydrogenase. <i>Biomedical Applications</i> , 1993, 614, 159-163.	1.7	4
105	Two non-reactive ternary complexes of estrogenic 17 $\beta$ -hydroxysteroid dehydrogenase: crystallization and preliminary structural analysis. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 1999, 68, 239-244.	1.2	4
106	Crystallization and preliminary X-ray diffraction analysis of the chloramphenicol acetyltransferase from Tn2424. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2001, 57, 281-283.	2.5	4
107	Crystallogensis of Steroid-Converting Enzymes and Their Complexes: Enzyme-Ligand Interaction Studies and Inhibitor Design Facilitated by Complex Structures. <i>Crystal Growth and Design</i> , 2007, 7, 2206-2212.	1.4	4
108	Crystallization and preliminary X-ray diffraction analysis of arginyl-tRNA synthetase from <i>Escherichia coli</i> . <i>Protein Science</i> , 1997, 6, 2636-2638.	3.1	4



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109	RNA-dependent RNA polymerase: Addressing Zika outbreak by a phylogeny-based drug target study. <i>Chemical Biology and Drug Design</i> , 2018, 91, 322-327.	1.5	4
110	Steroid enzyme and receptor expression and regulations in breast tumor samples – A statistical evaluation of public data. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2020, 196, 105494.	1.2	4
111	Purification, crystallization and preliminary X-ray diffraction results of human 17 $\beta$ -hydroxysteroid dehydrogenase type 5. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2002, 58, 1048-1050.	2.5	3
112	Protein crystal growth on board Shenzhou 3: a concerted effort improves crystal diffraction quality and facilitates structure determination. <i>Biochemical and Biophysical Research Communications</i> , 2004, 324, 1081-1086.	1.0	3
113	Structure-Based Design and Synthesis of a New Phenylboronic-Modified Affinity Medium for Metalloprotease Purification. <i>Marine Drugs</i> , 2017, 15, 5.	2.2	3
114	Mutual regulations and breast cancer cell control by steroidogenic enzymes: Dual sex-hormone receptor modulation upon 17 $\beta$ -HSD7 inhibition. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2019, 193, 105411.	1.2	3
115	A technique of protein addition for repeated enlargement of protein crystals in solution. <i>Techniques in Protein Chemistry</i> , 1996, , 361-371.	0.3	2
116	Chromatography of hydroxysteroid dehydrogenases. <i>Biomedical Applications</i> , 1996, 684, 99-105.	1.7	2
117	Crystal structure of chloramphenicol acetyltransferase B2 encoded by the multiresistance transposon Tn2424. <i>Proteins: Structure, Function and Bioinformatics</i> , 2004, 57, 858-861.	1.5	2
118	Purification, Refolding, Crystallization and Diffraction Analysis of the Native and Selenomethionine-Substituted Rat Epidymal-Specific Lipocalin. <i>Crystal Growth and Design</i> , 2007, 7, 2167-2170.	1.4	2
119	Crystallization and preliminary X-ray diffraction analysis of <i>E. coli</i> arginyl-tRNA synthetase in complex form with a tRNA <sup>Arg</sup> . <i>Amino Acids</i> , 2007, 32, 479-482.	1.2	2
120	Cinnamomin: separation, crystallization and preliminary X-ray diffraction study. <i>Amino Acids</i> , 2008, 34, 239-243.	1.2	2
121	Current physico-biochemistry in steroid research and status of structural biology for steroid-converting enzymes. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2016, 161, 1-4.	1.2	2
122	Meta-Analysis of steroid-converting enzymes and related receptors in prostate cancer suggesting novel combined therapies. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2020, 198, 105559.	1.2	2
123	Interplay between Catalysts and Substrates for Activity of Class Ib Aminoacyl-tRNA Synthetases and Implications for Pharmacology. <i>Current Topics in Medicinal Chemistry</i> , 2015, 16, 616-633.	1.0	2
124	Human 17 $\beta$ -hydroxysteroid dehydrogenase: optical properties of its complex with NADP <sup>+</sup> . <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 1995, 52, 77-81.	1.2	1
125	Structure Function Analysis of West Nile Virus RNA Dependent RNA Polymerase: Molecular Model and Implications for Drug Design. <i>Medicinal Chemistry</i> , 2007, 3, 455-459.	0.7	1
126	Rapid and efficient one-step purification of a serralyisin family protease by using a 4-aminobenzamidine-modified affinity medium. <i>Journal of Separation Science</i> , 2017, 40, 1960-1965.	1.3	1



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127	The multi-specific human 17 beta-hydroxysteroid dehydrogenase type 7: Non-competitive inhibitors can target different catalyses to facilitate breast cancer treatment. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2021, 214, 105963.	1.2	1
128	Progress in Macromolecular Crystallogenesi. <i>Crystal Growth and Design</i> , 2007, 7, 2123-2123.	1.4	0
129	Stoichiometry of slow binding of palmitoyl-CoA to liver glucokinase*. <i>International Journal of Peptide and Protein Research</i> , 1989, 34, 333-339.	0.1	0
130	Crystallization of the Membrane-Associated Annexin B1: Roles of Additive Screen, Dynamic Light Scattering, and Bioactivity Assay. <i>Crystal Growth and Design</i> , 2010, 10, 2528-2532.	1.4	0
131	DHEA, The Precursor of Androgens and Estrogens in Peripheral Tissues in the Human: Intracrinology. , O, , .		0
132	Using Omics to better understand steroid biosynthesis, metabolism, and functions. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2020, 202, 105686.	1.2	0
133	An unprecedented endocrine target for ovarian cancer: inhibiting 17 $\beta$ -HSD7 supresses cancer cell proliferation and arrests G2/M cycle. <i>American Journal of Cancer Research</i> , 2021, 11, 5358-5373.	1.4	0