Urmi Dhagat

List of Publications by Year
in descending order

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Version: 2024-02-01

26 papers	802 citations	567144 15 h-index	552653 26 g-index
27 all docs	27 docs citations	27 times ranked	1257 citing authors

#	Article	IF	Citations
1	The <scp>GM</scp>â€“<scp>CSF</scp>/<scp>ILâ€3</scp>/<scp>ILâ€5</scp> cytokine receptor family: from ligand recognition to initiation of signaling. Immunological Reviews, 2012, 250, 277-302.	2.8	192
2	Signalling by the Î²c family of cytokines. Cytokine and Growth Factor Reviews, 2013, 24, 189-201.	3.2	80
3	The Î²c receptor family â€“ Structural insights and their functional implications. Cytokine, 2015, 74, 247-258.	1.4	65
4	Dual Mechanism of Interleukin-3 Receptor Blockade by an Anti-Cancer Antibody. Cell Reports, 2014, 8, 410-419.	2.9	46
5	Conformational Changes in the GM-CSF Receptor Suggest a Molecular Mechanism for Affinity Conversion and Receptor Signaling. Structure, 2016, 24, 1271-1281.	1.6	46
6	Structure-Guided Design, Synthesis, and Evaluation of Salicylic Acid-Based Inhibitors Targeting a Selectivity Pocket in the Active Site of Human 20Î±-Hydroxysteroid Dehydrogenase (AKR1C1). Journal of Medicinal Chemistry, 2009, 52, 3259-3264.	2.9	39
7	CSL311, a novel, potent, therapeutic monoclonal antibody for the treatment of diseases mediated by the common Î² chain of the IL-3, GM-CSF and IL-5 receptors. MAbs, 2016, 8, 436-453.	2.6	38
8	Inhibitors of human 20Î±-hydroxysteroid dehydrogenase (AKR1C1). Journal of Steroid Biochemistry and Molecular Biology, 2011, 125, 105-111.	1.2	34
9	A Salicylic Acid-Based Analogue Discovered from Virtual Screening as a Potent Inhibitor of Human 20α-Hydroxysteroid Dehydrogenase. Medicinal Chemistry, 2007, 3, 546-550.	0.7	33
10	A dual role for the N-terminal domain of the IL-3 receptor in cell signalling. Nature Communications, 2018, 9, 386.	5.8	28
11	Role of the Î² Common (Î²c) Family of Cytokines in Health and Disease. Cold Spring Harbor Perspectives in Biology, 2018, 10, a028514.	2.3	28
12	Selectivity Determinants of Inhibitor Binding to Human 20Î±-Hydroxysteroid Dehydrogenase: Crystal Structure of the Enzyme in Ternary Complex with Coenzyme and the Potent Inhibitor 3,5-Dichlorosalicylic Acid. Journal of Medicinal Chemistry, 2008, 51, 4844-4848.	2.9	26
13	CaMKK2 is inactivated by cAMP-PKA signaling and 14-3-3 adaptor proteins. Journal of Biological Chemistry, 2020, 295, 16239-16250.	1.6	24
14	Structure-based optimization and biological evaluation of human 20Î±-hydroxysteroid dehydrogenase (AKR1C1) salicylic acid-based inhibitors. European Journal of Medicinal Chemistry, 2010, 45, 5309-5317.	2.6	21
15	EPO does not promote interaction between the erythropoietin and beta-common receptors. Scientific Reports, 2018, 8, 12457.	1.6	21
16	Molecular determinants for the stereospecific reduction of 3-ketosteroids and reactivity towards all-trans-retinal of a short-chain dehydrogenase/reductase (DHRS4). Archives of Biochemistry and Biophysics, 2009, 481, 183-190.	1.4	17
17	Inhibition of 3(17)Î±-hydroxysteroid dehydrogenase (AKR1C21) by aldose reductase inhibitors. Bioorganic and Medicinal Chemistry, 2008, 16, 3245-3254.	1.4	12
18	Probing the inhibitor selectivity pocket of human 20Î±-hydroxysteroid dehydrogenase (AKR1C1) with X-ray crystallography and site-directed mutagenesis. Bioorganic and Medicinal Chemistry Letters, 2011, 21, 2564-2567.	1.0	8

#	ARTICLE	IF	CITATIONS
19	Crystallization and preliminary X-ray diffraction analysis of the interleukin-3 alpha receptor bound to the Fab fragment of antibody CSL362. Acta Crystallographica Section F, Structural Biology Communications, 2014, 70, 358-361.	0.4	8
20	Structure of 3(17)Î±-hydroxysteroid dehydrogenase (AKR1C21) holoenzyme from an orthorhombic crystal form: an insight into the bifunctionality of the enzyme. Acta Crystallographica Section F: Structural Biology Communications, 2007, 63, 825-830.	0.7	7
21	Structure of rat aldose reductase-like protein AKR1B14 holoenzyme: Probing the role of His269 in coenzyme binding by site-directed mutagenesis. Bioorganic and Medicinal Chemistry Letters, 2011, 21, 801-804.	1.0	7
22	Activation of aldo-keto reductase family member 1B14 (AKR1B14) by bile acids: Activation mechanism and bile acid-binding site. Biochimie, 2011, 93, 1476-1486.	1.3	6
23	Factorizing the role of a critical leucine residue in the binding of substrate to human 20Î±-hydroxysteroid dehydrogenase (AKR1C1): Molecular modeling and kinetic studies of the Leu308Val mutant enzyme. Bioorganic and Medicinal Chemistry Letters, 2010, 20, 5274-5276.	1.0	5
24	The mechanism of GM-CSF inhibition by human GM-CSF auto-antibodies suggests novel therapeutic opportunities. MAbs, 2018, 10, 1-12.	2.6	5
25	Structure of the G225P/G226P mutant of mouse 3(17)Î±-hydroxysteroid dehydrogenase (AKR1C21) ternary complex: implications for the binding of inhibitor and substrate. Acta Crystallographica Section D: Biological Crystallography, 2009, 65, 257-265.	2.5	3
26	Studies on a Tyr residue critical for the binding of coenzyme and substrate in mouse 3(17)Î±-hydroxysteroid dehydrogenase (AKR1C21): structure of the Y224D mutant enzyme. Acta Crystallographica Section D: Biological Crystallography, 2010, 66, 198-204.	2.5	3