

Trevor M Penning

List of Publications by Year in descending order

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188
papers

15,732
citations

15466

65
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17546

121
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195
docs citations

195
times ranked

12007
citing authors

#	ARTICLE	IF	CITATIONS
1	Increased Expression of Genes Converting Adrenal Androgens to Testosterone in Androgen-Independent Prostate Cancer. <i>Cancer Research</i> , 2006, 66, 2815-2825.	0.4	967
2	Mechanisms of activation of the transcription factor Nrf2 by redox stressors, nutrient cues, and energy status and the pathways through which it attenuates degenerative disease. <i>Free Radical Biology and Medicine</i> , 2015, 88, 108-146.	1.3	661
3	Comparative anatomy of the aldo-keto reductase superfamily. <i>Biochemical Journal</i> , 1997, 326, 625-636.	1.7	585
4	Human 3 β -hydroxysteroid dehydrogenase isoforms (AKR1C1-AKR1C4) of the aldo-keto reductase superfamily: functional plasticity and tissue distribution reveals roles in the inactivation and formation of male and female sex hormones. <i>Biochemical Journal</i> , 2000, 351, 67-77.	1.7	516
5	Dihydrodiol Dehydrogenases and Polycyclic Aromatic Hydrocarbon Activation: Generation of Reactive and Redox Active o-Quinones. <i>Chemical Research in Toxicology</i> , 1999, 12, 1-18.	1.7	437
6	Human 3 β -hydroxysteroid dehydrogenase isoforms (AKR1C1-AKR1C4) of the aldo-keto reductase superfamily: functional plasticity and tissue distribution reveals roles in the inactivation and formation of male and female sex hormones. <i>Biochemical Journal</i> , 2000, 351, 67.	1.7	403
7	The aldo-keto reductases (AKRs): Overview. <i>Chemico-Biological Interactions</i> , 2015, 234, 236-246.	1.7	348
8	A new nomenclature for the aldo-keto reductase superfamily. <i>Biochemical Pharmacology</i> , 1997, 54, 639-647.	2.0	346
9	Aldo-Keto Reductases and Bioactivation/Detoxication. <i>Annual Review of Pharmacology and Toxicology</i> , 2007, 47, 263-292.	4.2	334
10	The SDR (short-chain dehydrogenase/reductase and related enzymes) nomenclature initiative. <i>Chemico-Biological Interactions</i> , 2009, 178, 94-98.	1.7	329
11	Molecular Endocrinology of Hydroxysteroid Dehydrogenases*. <i>Endocrine Reviews</i> , 1997, 18, 281-305.	8.9	324
12	The Biochemical Basis for Increased Testosterone Production in Theca Cells Propagated from Patients with Polycystic Ovary Syndrome. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2001, 86, 5925-5933.	1.8	297
13	Characterization of the cancer chemopreventive NRF2-dependent gene battery in human keratinocytes: demonstration that the KEAP1-NRF2 pathway, and not the BACH1-NRF2 pathway, controls cytoprotection against electrophiles as well as redox-cycling compounds. <i>Carcinogenesis</i> , 2009, 30, 1571-1580.	1.3	273
14	Clustering a Chemical Inventory for Safety Assessment of Fragrance Ingredients: Identifying Read-Across Analogs to Address Data Gaps. <i>Chemical Research in Toxicology</i> , 2020, 33, 1709-1718.	1.7	273
15	The aldo-keto reductase superfamily homepage. <i>Chemico-Biological Interactions</i> , 2003, 143-144, 621-631.	1.7	265
16	Partners in crime: deregulation of AR activity and androgen synthesis in prostate cancer. <i>Trends in Endocrinology and Metabolism</i> , 2010, 21, 315-324.	3.1	248
17	Human Cytosolic 3 β -Hydroxysteroid Dehydrogenases of the Aldo-keto Reductase Superfamily Display Significant 3 β -Hydroxysteroid Dehydrogenase Activity. <i>Journal of Biological Chemistry</i> , 2004, 279, 10784-10795.	1.6	241
18	Human aldo-keto reductases: Function, gene regulation, and single nucleotide polymorphisms. <i>Archives of Biochemistry and Biophysics</i> , 2007, 464, 241-250.	1.4	235

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19	Intense Androgen-Deprivation Therapy With Abiraterone Acetate Plus Leuprolide Acetate in Patients With Localized High-Risk Prostate Cancer: Results of a Randomized Phase II Neoadjuvant Study. <i>Journal of Clinical Oncology</i> , 2014, 32, 3705-3715.	0.8	220
20	Generation of Reactive Oxygen Species during the Enzymatic Oxidation of Polycyclic Aromatic Hydrocarbon trans-Dihydrodiols Catalyzed by Dihydrodiol Dehydrogenase. <i>Chemical Research in Toxicology</i> , 1996, 9, 84-92.	1.7	213
21	Activation of Polycyclic Aromatic Hydrocarbon trans-Dihydrodiol Proximate Carcinogens by Human Aldo-keto Reductase (AKR1C) Enzymes and Their Functional Overexpression in Human Lung Carcinoma (A549) Cells. <i>Journal of Biological Chemistry</i> , 2002, 277, 24799-24808.	1.6	197
22	Expression and Characterization of Recombinant Type 2 3 β -Hydroxysteroid Dehydrogenase (HSD) from Human Prostate: Demonstration of Bifunctional 3 β /17 β -HSD Activity and Cellular Distribution. <i>Molecular Endocrinology</i> , 1997, 11, 1971-1984.	3.7	181
23	The Reactive Oxygen Species- and Michael Acceptor-inducible Human Aldo-Keto Reductase AKR1C1 Reduces the 1,2-Unsaturated Aldehyde 4-Hydroxy-2-nonenal to 1,4-Dihydroxy-2-nonene. <i>Journal of Biological Chemistry</i> , 2001, 276, 2890-2897.	1.6	167
24	Role of aldo-keto reductase family 1 (AKR1) enzymes in human steroid metabolism. <i>Steroids</i> , 2014, 79, 49-63.	0.8	159
25	Steroid recognition and regulation of hormone action: crystal structure of testosterone and NADP ⁺ bound to 3 β -hydroxysteroid/dihydrodiol dehydrogenase. <i>Structure</i> , 1997, 5, 799-812.	1.6	142
26	Mutagenesis of 3 β -Hydroxysteroid Dehydrogenase Reveals a "Push-Pull" Mechanism for Proton Transfer in Aldo-Keto Reductases. <i>Biochemistry</i> , 1998, 37, 3538-3548.	1.2	142
27	AKR1C1 and AKR1C3 may determine progesterone and estrogen ratios in endometrial cancer. <i>Molecular and Cellular Endocrinology</i> , 2006, 248, 126-135.	1.6	139
28	DNA Strand Scission by Polycyclic Aromatic Hydrocarbon o-Quinones: Role of Reactive Oxygen Species, Cu(II)/Cu(I) Redox Cycling, and o-Semiquinone Anion Radicals. <i>Biochemistry</i> , 1997, 36, 8640-8648.	1.2	138
29	Steroid Hormone Transforming Aldo-Keto Reductases and Cancer. <i>Annals of the New York Academy of Sciences</i> , 2009, 1155, 33-42.	1.8	138
30	Expression and Characterization of Four Recombinant Human Dihydrodiol Dehydrogenase Isoforms: Oxidation of trans-7,8-Dihydroxy-7,8-dihydrobenzo[a]pyrene to the Activated o-Quinone Metabolite Benzo[a]pyrene-7,8-dione. <i>Biochemistry</i> , 1998, 37, 6781-6790.	1.2	134
31	Synthesis and Characterization of Polycyclic Aromatic Hydrocarbon o-Quinone Depurinating N7-Guanine Adducts. <i>Chemical Research in Toxicology</i> , 1999, 12, 237-246.	1.7	131
32	Reactivity of benzo[a]pyrene-7,8-dione with DNA. Evidence for the formation of deoxyguanosine adducts. <i>Carcinogenesis</i> , 1993, 14, 475-482.	1.3	128
33	Human Type 3 3 β -Hydroxysteroid Dehydrogenase (Aldo-Keto Reductase 1C2) and Androgen Metabolism in Prostate Cells. <i>Endocrinology</i> , 2003, 144, 2922-2932.	1.4	126
34	An indomethacin analogue, N-(4-chlorobenzoyl)-melatonin, is a selective inhibitor of aldo-keto reductase 1C3 (type 2 3 β -HSD, type 5 17 β -HSD, and prostaglandin F synthase), a potential target for the treatment of hormone dependent and hormone independent malignancies. <i>Biochemical Pharmacology</i> , 2008, 75, 484-493.	2.0	121
35	Hydroxysteroid dehydrogenases and pre-receptor regulation of steroid hormone action. <i>Human Reproduction Update</i> , 2003, 9, 193-205.	5.2	119
36	Analysis of 7,8-Dihydro-8-oxo-2-deoxyguanosine in Cellular DNA during Oxidative Stress. <i>Chemical Research in Toxicology</i> , 2009, 22, 788-797.	1.7	117

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37	AKR1C3 as a target in castrate resistant prostate cancer. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2013, 137, 136-149.	1.2	117
38	The Ubiquitous Aldehyde Reductase (AKR1A1) Oxidizes Proximate Carcinogen <i>trans</i> -Dihydrodiols to <i>o</i> -Quinones: Potential Role in Polycyclic Aromatic Hydrocarbon Activation. <i>Biochemistry</i> , 2001, 40, 10901-10910.	1.2	116
39	Exposure to Ambient Particulate Matter Is Associated With Accelerated Functional Decline in Idiopathic Pulmonary Fibrosis. <i>Chest</i> , 2018, 153, 1221-1228.	0.4	116
40	Characterization of a monoclonal antibody for human aldo-keto reductase AKR1C3 (type 2) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 627 T detection in breast and prostate. <i>Steroids</i> , 2004, 69, 795-801.	0.8	115
41	Aldo-keto reductase (AKR) superfamily: Genomics and annotation. <i>Human Genomics</i> , 2009, 3, 362-70.	1.4	115
42	Development of Nonsteroidal Anti-Inflammatory Drug Analogs and Steroid Carboxylates Selective for Human Aldo-Keto Reductase Isoforms: Potential Antineoplastic Agents That Work Independently of Cyclooxygenase Isozymes. <i>Molecular Pharmacology</i> , 2005, 67, 60-68.	1.0	114
43	Reactive Oxygen Species Generated by PAH-Quinones Cause Change-In-Function Mutations in p53. <i>Chemical Research in Toxicology</i> , 2002, 15, 832-842.	1.7	113
44	Identification of the Major Oxidative 3 β -Hydroxysteroid Dehydrogenase in Human Prostate That Converts 5 α -Androstane-3 β ,17 β -diol to 5 α -Dihydrotestosterone: A Potential Therapeutic Target for Androgen-Dependent Disease. <i>Molecular Endocrinology</i> , 2006, 20, 444-458.	3.7	109
45	Aldo-keto reductase (AKR) 1C3: Role in prostate disease and the development of specific inhibitors. <i>Molecular and Cellular Endocrinology</i> , 2006, 248, 182-191.	1.6	108
46	Structure of 3 β -Hydroxysteroid/Dihydrodiol Dehydrogenase Complexed with NADP ⁺ . <i>Biochemistry</i> , 1996, 35, 10702-10711.	1.2	105
47	Inhibitors of type 5 17 β -hydroxysteroid dehydrogenase (AKR1C3): Overview and structural insights. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2011, 125, 95-104.	1.2	105
48	Evidence for the aldo-keto reductase pathway of polycyclic aromatic <i>trans</i> -dihydrodiol activation in human lung A549 cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 6846-6851.	3.3	103
49	Cytotoxicity and mutagenicity of polycyclic aromatic hydrocarbon <i>o</i> -quinones produced by dihydrodiol dehydrogenase. <i>Chemico-Biological Interactions</i> , 1996, 99, 55-72.	1.7	98
50	Polycyclic Aromatic Hydrocarbon (PAH) <i>o</i> -Quinones Produced by the Aldo-Keto-Reductases (AKRs) Generate Abasic Sites, Oxidized Pyrimidines, and 8-Oxo-dGuo via Reactive Oxygen Species. <i>Chemical Research in Toxicology</i> , 2006, 19, 719-728.	1.7	97
51	Aldo-keto reductase 1C3 expression in MCF-7 cells reveals roles in steroid hormone and prostaglandin metabolism that may explain its over-expression in breast cancer. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2010, 118, 177-187.	1.2	97
52	Crystal Structure of Human Type III 3 β -Hydroxysteroid Dehydrogenase/Bile Acid Binding Protein Complexed with NADP ⁺ and Ursodeoxycholate. <i>Biochemistry</i> , 2001, 40, 10161-10168.	1.2	94
53	Development of Potent and Selective Inhibitors of Aldo-Keto Reductase 1C3 (Type 5 17 β -Hydroxysteroid) Tj ETQq1 1 0.784314 rgBT <i>Journal of Medicinal Chemistry</i> , 2012, 55, 2311-2323.	2.9	93
54	Structure-function aspects and inhibitor design of type 5 17 β -hydroxysteroid dehydrogenase (AKR1C3). <i>Molecular and Cellular Endocrinology</i> , 2001, 171, 137-149.	1.6	88

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55	AKR1B10: A New Diagnostic Marker of Non-Small Cell Lung Carcinoma in Smokers: Fig. 1. <i>Clinical Cancer Research</i> , 2005, 11, 1687-1690.	3.2	86
56	Human Aldo-Keto Reductases and the Metabolic Activation of Polycyclic Aromatic Hydrocarbons. <i>Chemical Research in Toxicology</i> , 2014, 27, 1901-1917.	1.7	85
57	Liquid chromatography-mass spectrometry (LC-MS) of steroid hormone metabolites and its applications. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2010, 121, 546-555.	1.2	78
58	Development of Potent and Selective Indomethacin Analogues for the Inhibition of AKR1C3 (Type 5) <i>Journal of Medicinal Chemistry</i> , 2013, 56, 2429-2446.	2.9	78
59	The Arginine 276 Anchor for NADP(H) Dictates Fluorescence Kinetic Transients in 3 α -Hydroxysteroid Dehydrogenase, a Representative Aldo-Keto Reductase. <i>Biochemistry</i> , 1999, 38, 7856-7864.	1.2	73
60	Formation of 8-Oxo-7,8-dihydro-2'-deoxyguanosine (8-Oxo-dGuo) by PAH o-Quinones: Involvement of Reactive Oxygen Species and Copper(II)/Copper(I) Redox Cycling. <i>Chemical Research in Toxicology</i> , 2005, 18, 1026-1037.	1.7	73
61	Oxidation of PAH <i>trans</i> -Dihydrodiols by Human Aldo-Keto Reductase AKR1B10. <i>Chemical Research in Toxicology</i> , 2008, 21, 2207-2215.	1.7	73
62	Structural and Functional Biology of Aldo-Keto Reductase Steroid-Transforming Enzymes. <i>Endocrine Reviews</i> , 2019, 40, 447-475.	8.9	73
63	Unconventional Gas and Oil Drilling Is Associated with Increased Hospital Utilization Rates. <i>PLoS ONE</i> , 2015, 10, e0131093.	1.1	72
64	AKR1C3 (type 5 17 β -hydroxysteroid dehydrogenase/prostaglandin F synthase): Roles in malignancy and endocrine disorders. <i>Molecular and Cellular Endocrinology</i> , 2019, 489, 82-91.	1.6	72
65	Targeted Androgen Pathway Suppression in Localized Prostate Cancer: A Pilot Study. <i>Journal of Clinical Oncology</i> , 2014, 32, 229-237.	0.8	70
66	Aldo-Keto Reductase (AKR) 1C3 inhibitors: a patent review. <i>Expert Opinion on Therapeutic Patents</i> , 2017, 27, 1329-1340.	2.4	70
67	Transcript Profiling of the Androgen Signal in Normal Prostate, Benign Prostatic Hyperplasia, and Prostate Cancer. <i>Endocrinology</i> , 2006, 147, 5806-5816.	1.4	69
68	Aryl Hydrocarbon Receptor Facilitates DNA Strand Breaks and 8-Oxo-2'-deoxyguanosine Formation by the Aldo-Keto Reductase Product Benzo[a]pyrene-7,8-dione. <i>Journal of Biological Chemistry</i> , 2009, 284, 29725-29734.	1.6	68
69	Engineering Steroid 5 β -Reductase Activity into Rat Liver 3 α -Hydroxysteroid Dehydrogenase. <i>Biochemistry</i> , 1998, 37, 9695-9703.	1.2	67
70	Crystal Structure of Human Liver 4-3-Ketosteroid 5 β -Reductase (AKR1D1) and Implications for Substrate Binding and Catalysis. <i>Journal of Biological Chemistry</i> , 2008, 283, 16830-16839.	1.6	67
71	Polycyclic aromatic hydrocarbon (PAH) ortho-quinone conjugate chemistry: Kinetics of thiol addition to PAH ortho-quinones and structures of thioether adducts of naphthalene-1,2-dione. <i>Chemico-Biological Interactions</i> , 1992, 84, 169-188.	1.7	65
72	Structure-function relationships in 3 α -hydroxysteroid dehydrogenases: a comparison of the rat and human isoforms. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2003, 85, 247-255.	1.2	65

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73	Type 5 17 β -hydroxysteroid dehydrogenase/prostaglandin F synthase (AKR1C3): Role in breast cancer and inhibition by non-steroidal anti-inflammatory drug analogs. <i>Chemico-Biological Interactions</i> , 2009, 178, 221-227.	1.7	65
74	Tibolone Metabolism in Human Liver Is Catalyzed by 3 β /3 β -Hydroxysteroid Dehydrogenase Activities of the Four Isoforms of the Aldo-Keto Reductase (AKR) 1C Subfamily. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2006, 316, 1300-1309.	1.3	63
75	Tibolone Is Metabolized by the 3 β /3 β -Hydroxysteroid Dehydrogenase Activities of the Four Human Isozymes of the Aldo-Keto Reductase 1C Subfamily: Inversion of Stereospecificity with a β -5(10)-3-Ketosteroid. <i>Molecular Pharmacology</i> , 2004, 66, 1702-1711.	1.0	61
76	Aldo-Keto Reductase Regulation by the Nrf2 System: Implications for Stress Response, Chemotherapy Drug Resistance, and Carcinogenesis. <i>Chemical Research in Toxicology</i> , 2017, 30, 162-176.	1.7	59
77	The DHEA-sulfate depot following P450c17 inhibition supports the case for AKR1C3 inhibition in high risk localized and advanced castration resistant prostate cancer. <i>Chemico-Biological Interactions</i> , 2015, 234, 332-338.	1.7	57
78	Multiple Steps Determine the Overall Rate of the Reduction of 5 β -Dihydrotestosterone Catalyzed by Human Type 3 3 β -Hydroxysteroid Dehydrogenase: Implications for the Elimination of Androgens. <i>Biochemistry</i> , 2006, 45, 13054-13063.	1.2	54
79	Pre-receptor regulation of the androgen receptor. <i>Molecular and Cellular Endocrinology</i> , 2008, 281, 1-8.	1.6	54
80	Elucidation of a Complete Kinetic Mechanism for a Mammalian Hydroxysteroid Dehydrogenase (HSD) and Identification of All Enzyme Forms on the Reaction Coordinate. <i>Journal of Biological Chemistry</i> , 2007, 282, 33484-33493.	1.6	53
81	Crystal structures of AKR1C3 containing an N-(aryl)amino-benzoate inhibitor and a bifunctional AKR1C3 inhibitor and androgen receptor antagonist. Therapeutic leads for castrate resistant prostate cancer. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2012, 22, 3492-3497.	1.0	52
82	AKR1D1 is a novel regulator of metabolic phenotype in human hepatocytes and is dysregulated in non-alcoholic fatty liver disease. <i>Metabolism: Clinical and Experimental</i> , 2019, 99, 67-80.	1.5	52
83	Aldo-Keto Reductases and Cancer Drug Resistance. <i>Pharmacological Reviews</i> , 2021, 73, 1150-1171.	7.1	52
84	Overexpression of aldo-keto reductase 1C3 (AKR1C3) in LNCaP cells diverts androgen metabolism towards testosterone resulting in resistance to the 5 α -reductase inhibitor finasteride. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2012, 130, 7-15.	1.2	51
85	Inhibition of Human Steroid 5 β -Reductase (AKR1D1) by Finasteride and Structure of the Enzyme-Inhibitor Complex. <i>Journal of Biological Chemistry</i> , 2009, 284, 19786-19790.	1.6	50
86	Deoxycorticosterone inactivation by AKR1C3 in human mineralocorticoid target tissues. <i>Molecular and Cellular Endocrinology</i> , 2006, 248, 79-86.	1.6	49
87	Genome-wide association study confirms lung cancer susceptibility loci on chromosomes 5p15 and 15q25 in an African-American population. <i>Lung Cancer</i> , 2016, 98, 33-42.	0.9	49
88	Identification of the molecular switch that regulates access of 5 β -DHT to the androgen receptor. <i>Molecular and Cellular Endocrinology</i> , 2007, 265-266, 77-82.	1.6	46
89	Contribution of Adrenal Glands to Intratumor Androgens and Growth of Castration-Resistant Prostate Cancer. <i>Clinical Cancer Research</i> , 2019, 25, 426-439.	3.2	46
90	Characterization of Disease-related 5 β -Reductase (AKR1D1) Mutations Reveals Their Potential to Cause Bile Acid Deficiency. <i>Journal of Biological Chemistry</i> , 2010, 285, 24529-24537.	1.6	45

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91	Development, validation and application of a stable isotope dilution liquid chromatography electrospray ionization/selected reaction monitoring/mass spectrometry (SID-LC/ESI/SRM/MS) method for quantification of keto-androgens in human serum. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2013, 138, 281-289.	1.2	45
92	The Pattern of p53 Mutations Caused by PAH o -Quinones is Driven by 8-oxo-dGuo Formation while the Spectrum of Mutations is Determined by Biological Selection for Dominance. <i>Chemical Research in Toxicology</i> , 2008, 21, 1039-1049.	1.7	44
93	Specificity of Human Aldo-Keto Reductases, NAD(P)H:Quinone Oxidoreductase, and Carbonyl Reductases to Redox-Cycle Polycyclic Aromatic Hydrocarbon Diones and 4-Hydroxyequilenin- o -quinone. <i>Chemical Research in Toxicology</i> , 2011, 24, 2153-2166.	1.7	43
94	Human hydroxysteroid dehydrogenases and pre-receptor regulation: Insights into inhibitor design and evaluation. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2011, 125, 46-56.	1.2	43
95	Mechanisms of drug resistance that target the androgen axis in castration resistant prostate cancer (CRPC). <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2015, 153, 105-113.	1.2	41
96	Substrate specificity and inhibitor analyses of human steroid 5β -reductase (AKR1D1). <i>Steroids</i> , 2011, 76, 484-490.	0.8	40
97	Discovery of substituted 3-(phenylamino)benzoic acids as potent and selective inhibitors of type 5 17β -hydroxysteroid dehydrogenase (AKR1C3). <i>Bioorganic and Medicinal Chemistry Letters</i> , 2011, 21, 1464-1468.	1.0	40
98	Characterization of mercapturic acid and glutathionyl conjugates of benzo[a]pyrene-7,8-dione by two-dimensional NMR. <i>Bioconjugate Chemistry</i> , 1992, 3, 218-224.	1.8	39
99	Aldo-Keto Reductases and Formation of Polycyclic Aromatic Hydrocarbon o -Quinones. <i>Methods in Enzymology</i> , 2004, 378, 31-67.	0.4	39
100	New frontiers in androgen biosynthesis and metabolism. <i>Current Opinion in Endocrinology, Diabetes and Obesity</i> , 2010, 17, 233-239.	1.2	39
101	Potent and Highly Selective Aldo-Keto Reductase 1C3 (AKR1C3) Inhibitors Act as Chemotherapeutic Potentiators in Acute Myeloid Leukemia and T-Cell Acute Lymphoblastic Leukemia. <i>Journal of Medicinal Chemistry</i> , 2019, 62, 3590-3616.	2.9	39
102	5β -Reduced steroids and human 17β -4-3-ketosteroid 5β -reductase (AKR1D1). <i>Steroids</i> , 2014, 83, 17-26.	0.8	37
103	Selective AKR1C3 Inhibitors Potentiate Chemotherapeutic Activity in Multiple Acute Myeloid Leukemia (AML) Cell Lines. <i>ACS Medicinal Chemistry Letters</i> , 2016, 7, 774-779.	1.3	36
104	AKR1C3 Inhibitor KV-37 Exhibits Antineoplastic Effects and Potentiates Enzalutamide in Combination Therapy in Prostate Adenocarcinoma Cells. <i>Molecular Cancer Therapeutics</i> , 2018, 17, 1833-1845.	1.9	36
105	Androgen biosynthesis in castration-resistant prostate cancer. <i>Endocrine-Related Cancer</i> , 2014, 21, T67-T78.	1.6	35
106	Promiscuity and diversity in 3-ketosteroid reductases. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2015, 151, 93-101.	1.2	35
107	Identification of the Oxidative 3β -Hydroxysteroid Dehydrogenase Activity of Rat Leydig Cells as Type II Retinol Dehydrogenase*. <i>Endocrinology</i> , 2000, 141, 1608-1617.	1.4	34
108	Stereospecific reduction of 5β -reduced steroids by human ketosteroid reductases of the AKR (aldo-keto) family via the 5β -reductase pathway. <i>Biochemical Journal</i> , 2011, 437, 53-61.	1.7	34

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109	Detoxication of Benzo[a]pyrene-7,8-dione by Sulfotransferases (SULTs) in Human Lung Cells. <i>Journal of Biological Chemistry</i> , 2012, 287, 29909-29920.	1.6	34
110	Discovery of (R)-2-(6-Methoxynaphthalen-2-yl)butanoic Acid as a Potent and Selective Aldo-keto Reductase 1C3 Inhibitor. <i>Journal of Medicinal Chemistry</i> , 2016, 59, 7431-7444.	2.9	33
111	Identification of Stable Benzo[a]pyrene-7,8-dione-DNA Adducts in Human Lung Cells. <i>Chemical Research in Toxicology</i> , 2013, 26, 685-692.	1.7	32
112	Structure and catalytic mechanism of human steroid 5 β -reductase (AKR1D1). <i>Molecular and Cellular Endocrinology</i> , 2009, 301, 191-198.	1.6	31
113	Pentafluorosulfanyl-containing flufenamic acid analogs: Syntheses, properties and biological activities. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2015, 25, 4437-4440.	1.0	30
114	Molecular docking simulations of steroid substrates into human cytosolic hydroxysteroid dehydrogenases (AKR1C1 and AKR1C2): Insights into positional and stereochemical preferences. <i>Steroids</i> , 2006, 71, 380-391.	0.8	29
115	Quantitation of Benzo[a]pyrene Metabolic Profiles in Human Bronchoalveolar (H358) Cells by Stable Isotope Dilution Liquid Chromatography-Atmospheric Pressure Chemical Ionization Mass Spectrometry. <i>Chemical Research in Toxicology</i> , 2011, 24, 1905-1914.	1.7	28
116	Genomics of Smoking Exposure and Cessation: Lessons for Cancer Prevention and Treatment: Fig. 1. <i>Cancer Prevention Research</i> , 2008, 1, 80-83.	0.7	27
117	Aldo-keto reductase 1C3 Assessment as a new target for the treatment of endometriosis. <i>Pharmacological Research</i> , 2020, 152, 104446.	3.1	27
118	Detoxication of Structurally Diverse Polycyclic Aromatic Hydrocarbon (PAH) o-Quinones by Human Recombinant Catechol-O-methyltransferase (COMT) via O-Methylation of PAH Catechols. <i>Journal of Biological Chemistry</i> , 2011, 286, 25644-25654.	1.6	26
119	Conversion of Classical and 11-Oxygenated Androgens by Insulin-Induced AKR1C3 in a Model of Human PCOS Adipocytes. <i>Endocrinology</i> , 2022, 163, .	1.4	25
120	Screening baccharin analogs as selective inhibitors against type 5 β -hydroxysteroid dehydrogenase (AKR1C3). <i>Chemico-Biological Interactions</i> , 2015, 234, 339-348.	1.7	24
121	Interception of Benzo[a]pyrene-7,8-dione by UDP Glucuronosyltransferases (UGTs) in Human Lung Cells. <i>Chemical Research in Toxicology</i> , 2013, 26, 1570-1578.	1.7	22
122	Simultaneous quantitation of nine hydroxy-androgens and their conjugates in human serum by stable isotope dilution liquid chromatography electrospray ionization tandem mass spectrometry. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2017, 165, 342-355.	1.2	22
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