

Edmund Maser

List of Publications by Year in descending order

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145
papers

5,210
citations

76326

40
h-index

106344

65
g-index

150
all docs

150
docs citations

150
times ranked

4510
citing authors

#	ARTICLE	IF	CITATIONS
1	Induction of carbonyl reductase 1 (CR1) gene expression in <i>Daphnia magna</i> by TNT, but not its key metabolites 2-ADNT and 4-ADNT. <i>Chemico-Biological Interactions</i> , 2022, 351, 109752.	4.0	2
2	Reduction of photoswitched, nitrogen bridged N-acetyl diazocines limits inhibition of 17 β HSD3 activity in transfected human embryonic kidney 293 cells. <i>Chemico-Biological Interactions</i> , 2022, 354, 109822.	4.0	6
3	Carbonyl reduction of 4-oxonon-2-enal (4-ONE) by Sniffer from <i>D. magna</i> and <i>D. pulex</i> . <i>Chemico-Biological Interactions</i> , 2022, 354, 109833.	4.0	0
4	Inhibition of human carbonyl reducing enzymes by plant anthrone and anthraquinone derivatives. <i>Chemico-Biological Interactions</i> , 2022, 354, 109823.	4.0	2
5	Acute aquatic toxicity of arsenic-based chemical warfare agents to <i>Daphnia magna</i> . <i>Aquatic Toxicology</i> , 2021, 230, 105693.	4.0	14
6	A Toolbox for the Determination of Nitroaromatic Explosives in Marine Water, Sediment, and Biota Samples on Femtogram Levels by GC-MS/MS. <i>Toxics</i> , 2021, 9, 60.	3.7	16
7	Can seafood from marine sites of dumped World War relicts be eaten?. <i>Archives of Toxicology</i> , 2021, 95, 2255-2261.	4.2	21
8	Exposure to dissolved TNT causes multilevel biological effects in Baltic mussels (<i>Mytilus</i> spp.). <i>Marine Environmental Research</i> , 2021, 167, 105264.	2.5	13
9	Machine Learning Predicts the Presence of 2,4,6-Trinitrotoluene in Sediments of a Baltic Sea Munitions Dumpsite Using Microbial Community Compositions. <i>Frontiers in Microbiology</i> , 2021, 12, 626048.	3.5	6
10	Degradation of 2,4,6-Trinitrotoluene (TNT): Involvement of Protocatechuate 3,4-Dioxygenase (P34O) in <i>Buttiauxella</i> sp. S19-1. <i>Toxics</i> , 2021, 9, 231.	3.7	15
11	Genomic analysis of <i>Gordonia polyisoprenivorans</i> strain R9, a highly effective 17 beta-estradiol- and steroid-degrading bacterium. <i>Chemico-Biological Interactions</i> , 2021, 350, 109685.	4.0	3
12	Sex-specificity in lung cancer risk. <i>International Journal of Cancer</i> , 2020, 146, 2376-2382.	5.1	113
13	The explosive trinitrotoluene (TNT) induces gene expression of carbonyl reductase in the blue mussel (<i>Mytilus</i> spp.): a new promising biomarker for sea dumped war relicts?. <i>Archives of Toxicology</i> , 2020, 94, 4043-4054.	4.2	16
14	Marine bivalves as bioindicators for environmental pollutants with focus on dumped munitions in the sea: A review. <i>Marine Environmental Research</i> , 2020, 158, 105006.	2.5	42
15	Don't Blast: blast-in-place (BiP) operations of dumped World War munitions in the oceans significantly increase hazards to the environment and the human seafood consumer. <i>Archives of Toxicology</i> , 2020, 94, 1941-1953.	4.2	23
16	Carbonyl reductase sniffer from the model organism daphnia: Cloning, substrate determination and inhibitory sensitivity. <i>Chemico-Biological Interactions</i> , 2019, 307, 29-36.	4.0	8
17	Potent inhibition of human carbonyl reductase 1 (CBR1) by the prenylated chalconoid xanthohumol and its related prenylflavonoids isoxanthohumol and 8-prenylnaringenin. <i>Chemico-Biological Interactions</i> , 2019, 305, 156-162.	4.0	10
18	Expression and activity of the cortisol-activating enzyme 11 β -hydroxysteroid dehydrogenase type 1 is tissue and species-specific. <i>Chemico-Biological Interactions</i> , 2019, 303, 57-61.	4.0	18

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19	The hop-derived compounds xanthohumol, isoxanthohumol and 8-prenylnaringenin are tight-binding inhibitors of human aldo-keto reductases 1B1 and 1B10. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2018, 33, 607-614.	5.2	23
20	Crystal structure and catalytic characterization of the dehydrogenase/reductase <scp>SDR</scp> family member 4 (<scp>DHRS</scp>4) from <i>Caenorhabditis elegans</i>. <i>FEBS Journal</i> , 2018, 285, 275-293.	4.7	11
21	Selective Inhibition of Human AKR1B10 by n-Humulone, Adhumulone and Cohumulone Isolated from <i>Humulus lupulus</i> Extract. <i>Molecules</i> , 2018, 23, 3041.	3.8	11
22	Bioaccumulation of 2,4,6-trinitrotoluene (TNT) and its metabolites leaking from corroded munition in transplanted blue mussels (<i>M. edulis</i>). <i>Marine Pollution Bulletin</i> , 2018, 135, 1072-1078.	5.0	40
23	Carbonyl reductases from <i>Daphnia</i> are regulated by redox cycling compounds. <i>FEBS Journal</i> , 2018, 285, 2869-2887.	4.7	11
24	Sex hormones reduce NNK detoxification through inhibition of short-chain dehydrogenases/reductases and aldo-keto reductases in vitro. <i>Chemico-Biological Interactions</i> , 2017, 276, 167-173.	4.0	11
25	Regulation of 11 β -hydroxysteroid dehydrogenase type 1 following caloric restriction and re-feeding is species dependent. <i>Chemico-Biological Interactions</i> , 2017, 276, 95-104.	4.0	3
26	Biomonitoring of 2,4,6-trinitrotoluene and degradation products in the marine environment with transplanted blue mussels (<i>M. edulis</i>). <i>Toxicology</i> , 2017, 390, 117-123.	4.2	49
27	Different inhibitory potential of sex hormones on NNK detoxification in vitro : A possible explanation for gender-specific lung cancer risk. <i>Cancer Letters</i> , 2017, 405, 120-126.	7.2	18
28	The cortisol-activating enzyme 11 β -hydroxysteroid dehydrogenase type 1 in skeletal muscle in the pathogenesis of the metabolic syndrome. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2017, 174, 65-71.	2.5	15
29	Transcriptional regulation of human and murine short-chain dehydrogenase/reductases (SDRs) – an in silico approach. <i>Drug Metabolism Reviews</i> , 2016, 48, 183-217.	3.6	8
30	Regulation of alkane degradation pathway by a TetR family repressor via an autoregulation positive feedback mechanism in a Gram-positive <i>Dietzia</i> bacterium. <i>Molecular Microbiology</i> , 2016, 99, 338-359.	2.5	43
31	Inhibition of human anthracycline reductases by emodin – A possible remedy for anthracycline resistance. <i>Toxicology and Applied Pharmacology</i> , 2016, 293, 21-29.	2.8	18
32	Reductases. , 2016, , 3964-3969.		0
33	Curcumin is a tight-binding inhibitor of the most efficient human daunorubicin reductase – Carbonyl reductase 1. <i>Chemico-Biological Interactions</i> , 2015, 234, 162-168.	4.0	23
34	Isolation and identification of a repressor TetR for 3,17 β -HSD expressional regulation in <i>Comamonas testosteroni</i> . <i>Chemico-Biological Interactions</i> , 2015, 234, 205-212.	4.0	18
35	Identification and isolation of a regulator protein for 3,17 β -HSD expressional regulation in <i>Comamonas testosteroni</i> . <i>Chemico-Biological Interactions</i> , 2015, 234, 197-204.	4.0	11
36	Reduction of lipid peroxidation products and advanced glycation end-product precursors by cyanobacterial aldo-keto reductase AKR3G1 – a founding member of the AKR3G subfamily. <i>FASEB Journal</i> , 2015, 29, 263-273.	0.5	10

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37	Construction of a biosensor mutant of <i>Comamonas testosteroni</i> for testosterone determination by cloning the EGFP gene downstream to the regulatory region of the 3,17 β -HSD gene. <i>Chemico-Biological Interactions</i> , 2015, 234, 188-196.	4.0	10
38	Human DCXR – another “moonlighting protein” involved in sugar metabolism, carbonyl detoxification, cell adhesion and male fertility?. <i>Biological Reviews</i> , 2015, 90, 254-278.	10.4	36
39	Toxicity of Functional Nano-Micro Zinc Oxide Tetrapods: Impact of Cell Culture Conditions, Cellular Age and Material Properties. <i>PLoS ONE</i> , 2014, 9, e84983.	2.5	95
40	Green Tea and One of Its Constituents, Epigallocatechine-3-gallate, Are Potent Inhibitors of Human 11 β -hydroxysteroid Dehydrogenase Type 1. <i>PLoS ONE</i> , 2014, 9, e84468.	2.5	41
41	Additivity, antagonism, and synergy in arsenic trioxide-induced growth inhibition of C6 glioma cells: Effects of genistein, quercetin and buthionine-sulfoximine. <i>Food and Chemical Toxicology</i> , 2014, 67, 212-221.	3.6	19
42	Reductases. , 2014, , 1-6.		0
43	S-Nitrosoglutathione covalently modifies cysteine residues of human carbonyl reductase 1 and affects its activity. <i>Chemico-Biological Interactions</i> , 2013, 202, 136-145.	4.0	9
44	Identification of microRNAs as a potential novel regulatory mechanism in HSD11B1 expression. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2013, 133, 129-139.	2.5	17
45	A novel transcriptional repressor PhaR for the steroid-inducible expression of the 3,17 β -hydroxysteroid dehydrogenase gene in <i>Comamonas testosteroni</i> ATCC11996. <i>Chemico-Biological Interactions</i> , 2013, 202, 116-125.	4.0	16
46	Introduction. <i>Chemico-Biological Interactions</i> , 2013, 202, 1.	4.0	0
47	Analysis and characterization of eight estradiol inducible genes and a strong promoter from the steroid degrading marine bacterial strain S19-1. <i>Chemico-Biological Interactions</i> , 2013, 202, 159-167.	4.0	4
48	Targeting Acetyl-CoA Carboxylases: Small Molecular Inhibitors and their Therapeutic Potential. <i>Recent Patents on Anti-Cancer Drug Discovery</i> , 2012, 7, 168-184.	1.6	28
49	Identification and Characterization of the LysR-Type Transcriptional Regulator HsdR for Steroid-Inducible Expression of the 3 β -Hydroxysteroid Dehydrogenase/Carbonyl Reductase Gene in <i>Comamonas testosteroni</i> . <i>Applied and Environmental Microbiology</i> , 2012, 78, 941-950.	3.1	16
50	Genome Sequence of <i>Comamonas testosteroni</i> ATCC 11996, a Representative Strain Involved in Steroid Degradation. <i>Journal of Bacteriology</i> , 2012, 194, 1633-1634.	2.2	23
51	Oligomerization and negative autoregulation of the LysR-type transcriptional regulator HsdR from <i>Comamonas testosteroni</i> . <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2012, 132, 203-211.	2.5	9
52	Cloning, expression and characterization of a novel short-chain dehydrogenase/reductase (SDRx) in <i>Comamonas testosteroni</i> . <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2012, 129, 15-21.	2.5	12
53	Identification of a new steroid degrading bacterial strain H5 from the Baltic Sea and isolation of two estradiol inducible genes. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2012, 129, 22-30.	2.5	18
54	Hydroxysteroid dehydrogenases (HSDs) in bacteria – A bioinformatic perspective. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2012, 129, 31-46.	2.5	94

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55	Momordica charantia extract, a herbal remedy for type 2 diabetes, contains a specific 11 β -hydroxysteroid dehydrogenase type 1 inhibitor. Journal of Steroid Biochemistry and Molecular Biology, 2012, 128, 51-55.	2.5	35
56	Steroids and microorganisms. Journal of Steroid Biochemistry and Molecular Biology, 2012, 129, 1-3.	2.5	13
57	Expression of human carbonyl reductase 3 (CBR3; SDR21C2) is inducible by pro-inflammatory stimuli. Biochemical and Biophysical Research Communications, 2012, 420, 368-373.	2.1	9
58	16th Carbonyl Metabolism Meeting: from enzymology to genomics. Human Genomics, 2012, 6, 25.	2.9	1
59	Short-chain dehydrogenases/reductases in cyanobacteria. FEBS Journal, 2012, 279, 1030-1043.	4.7	23
60	Specificity of Human Aldo-Keto Reductases, NAD(P)H:Quinone Oxidoreductase, and Carbonyl Reductases to Redox-Cycle Polycyclic Aromatic Hydrocarbon Diones and 4-Hydroxyequilenin- <i>o</i> -quinone. Chemical Research in Toxicology, 2011, 24, 2153-2166.	3.3	43
61	The Drosophila carbonyl reductase sniffer is an efficient 4-oxonon-2-enal (4ONE) reductase. Chemico-Biological Interactions, 2011, 191, 48-54.	4.0	20
62	Characterization of the steroid degrading bacterium S19-1 from the Baltic Sea at Kiel, Germany. Chemico-Biological Interactions, 2011, 191, 83-88.	4.0	28
63	Analysis of alternative promoter usage in expression of HSD11B1 including the development of a transcript-specific quantitative real-time PCR method. Chemico-Biological Interactions, 2011, 191, 104-112.	4.0	13
64	Studies on reduction of S-nitrosoglutathione by human carbonyl reductases 1 and 3. Chemico-Biological Interactions, 2011, 191, 95-103.	4.0	21
65	Steroid degradation and two steroid-inducible enzymes in the marine bacterium H5. Chemico-Biological Interactions, 2011, 191, 89-94.	4.0	16
66	Bioinformatic and biochemical characterization of DCXR and DHRS2/4 from Caenorhabditis elegans. Chemico-Biological Interactions, 2011, 191, 75-82.	4.0	16
67	Reductases. , 2011, , 3209-3214.		0
68	Human Carbonyl Reductases. Current Drug Metabolism, 2010, 11, 639-658.	1.2	64
69	Regulation of Human Carbonyl Reductase 3 (CBR3; SDR21C2) Expression by Nrf2 in Cultured Cancer Cells. Biochemistry, 2010, 49, 8499-8511.	2.5	39
70	11 β -Hydroxysteroid dehydrogenase type 1 is an important regulator at the interface of obesity and inflammation. Journal of Steroid Biochemistry and Molecular Biology, 2010, 119, 56-72.	2.5	94
71	The Comamonas testosteroni steroid biosensor system (COSS)â€”Reflection on other methods. Journal of Steroid Biochemistry and Molecular Biology, 2010, 121, 633-640.	2.5	11
72	Cis- and trans-regulatory elements of 3 β -hydroxysteroid dehydrogenase/carbonyl reductase as biosensor system for steroid determination in the environment. Chemico-Biological Interactions, 2009, 178, 215-220.	4.0	13

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73	Role of human aldoâ€“keto-reductase AKR1B10 in the protection against toxic aldehydes. <i>Chemico-Biological Interactions</i> , 2009, 178, 145-150.	4.0	97
74	3Î±-Hydroxysteroid dehydrogenase/carbonyl reductase as a tool for isolation and characterization of a new marine steroid degrading bacterial strain. <i>Chemico-Biological Interactions</i> , 2009, 178, 206-210.	4.0	12
75	The SDR (short-chain dehydrogenase/reductase and related enzymes) nomenclature initiative. <i>Chemico-Biological Interactions</i> , 2009, 178, 94-98.	4.0	329
76	Analysis of the substrate-binding site of human carbonyl reductases CBR1 and CBR3 by site-directed mutagenesis. <i>Chemico-Biological Interactions</i> , 2009, 178, 234-241.	4.0	27
77	Partial purification and characterization of a new human membrane-bound carbonyl reductase playing a role in the deactivation of the anticancer drug oracin. <i>Toxicology</i> , 2009, 264, 52-60.	4.2	12
78	Effects of synthetic gestagens on fish reproduction. <i>Environmental Toxicology and Chemistry</i> , 2009, 28, 2663-2670.	4.3	226
79	11Î²-Hydroxysteroid dehydrogenase type 1 inhibitors with oleanan and ursan scaffolds. <i>Molecular and Cellular Endocrinology</i> , 2009, 301, 132-136.	3.2	22
80	Expression profiles of human 11Î²-hydroxysteroid dehydrogenases type 1 and type 2 in inflammatory bowel diseases. <i>Molecular and Cellular Endocrinology</i> , 2009, 301, 104-108.	3.2	62
81	Structural Basis for Substrate Specificity in Human Monomeric Carbonyl Reductases. <i>PLoS ONE</i> , 2009, 4, e7113.	2.5	47
82	Inactivation of the anticancer drugs doxorubicin and oracin by aldoâ€“keto reductase (AKR) 1C3. <i>Toxicology Letters</i> , 2008, 181, 1-6.	0.8	69
83	Testosterone-inducible Regulator Is a Kinase That Drives Steroid Sensing and Metabolism in <i>Comamonas testosteroni</i> . <i>Journal of Biological Chemistry</i> , 2008, 283, 17380-17390.	3.4	41
84	Carbonyl Reductase 1 Is a Predominant Doxorubicin Reductase in the Human Liver. <i>Drug Metabolism and Disposition</i> , 2008, 36, 2113-2120.	3.3	158
85	Increased resistance of tumor cells to daunorubicin after transfection of cDNAs coding for anthracycline inactivating enzymes. <i>Cancer Letters</i> , 2007, 255, 49-56.	7.2	63
86	Understanding oligomerization in 3Î±-hydroxysteroid dehydrogenase/carbonyl reductase from <i>Comamonas testosteroni</i> : An in silico approach and evidence for an active protein. <i>Journal of Biotechnology</i> , 2007, 129, 131-139.	3.8	13
87	Carbonyl Reductases and Pluripotent Hydroxysteroid Dehydrogenases of the Short-chain Dehydrogenase/reductase Superfamily. <i>Drug Metabolism Reviews</i> , 2007, 39, 87-144.	3.6	197
88	Aldo-keto reductases (AKR) from the AKR1C subfamily catalyze the carbonyl reduction of the novel anticancer drug oracin in man. <i>Toxicology</i> , 2007, 238, 111-118.	4.2	33
89	Neuroprotective role for carbonyl reductase?. <i>Biochemical and Biophysical Research Communications</i> , 2006, 340, 1019-1022.	2.1	44
90	11Î²-Hydroxysteroid dehydrogenase type 1: Purification from human liver and characterization as carbonyl reductase of xenobiotics. <i>Molecular and Cellular Endocrinology</i> , 2006, 248, 34-37.	3.2	17

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91	PURIFICATION AND CHARACTERIZATION OF AKR1B10 FROM HUMAN LIVER: ROLE IN CARBONYL REDUCTION OF XENOBIOTICS. <i>Drug Metabolism and Disposition</i> , 2006, 34, 464-470.	3.3	106
92	The novel anticancer drug oracin: different stereospecificity and cooperativity for carbonyl reduction by purified human liver 11 β -hydroxysteroid dehydrogenase type 1. <i>Toxicology</i> , 2004, 197, 253-261.	4.2	20
93	Human Carbonyl Reductase Catalyzes Reduction of 4-Oxonon-2-enal. <i>Biochemistry</i> , 2004, 43, 13106-13114.	2.5	76
94	Significance of reductases in the detoxification of the tobacco-specific carcinogen NNK. <i>Trends in Pharmacological Sciences</i> , 2004, 25, 235-237.	8.7	38
95	Enantioselectivity of carbonyl reduction of 4-methylnitrosamino-1-(3-pyridyl)-1-butanone by tissue fractions from human and rat and by enzymes isolated from human liver. <i>Drug Metabolism and Disposition</i> , 2004, 32, 915-22.	3.3	41
96	Competing Roles of Reductases in the Detoxification of the Tobacco-Specific Nitrosamine Ketone NNK. <i>ACS Symposium Series</i> , 2003, , 67-82.	0.5	3
97	Stereochemical aspects of carbonyl reduction of the original anticancer drug oracin by mouse liver microsomes and purified 11 β -hydroxysteroid dehydrogenase type 1. <i>Chemico-Biological Interactions</i> , 2003, 143-144, 459-468.	4.0	23
98	Regulation of 3 β -hydroxysteroid dehydrogenase/carbonyl reductase in <i>Comamonas testosteroni</i> : function and relationship of two operators. <i>Chemico-Biological Interactions</i> , 2003, 143-144, 411-423.	4.0	4
99	Characterization and recombinant expression of the translational repressor RepB of 3 β -hydroxysteroid dehydrogenase/carbonyl reductase in <i>Comamonas testosteroni</i> . <i>Chemico-Biological Interactions</i> , 2003, 143-144, 425-433.	4.0	8
100	Enzymology and Molecular Biology of Glucocorticoid Metabolism in Humans. <i>Progress in Molecular Biology and Translational Science</i> , 2003, 75, 173-216.	1.9	33
101	Purification, characterization and NNK carbonyl reductase activities of 11 β -hydroxysteroid dehydrogenase type 1 from human liver: enzyme cooperativity and significance in the detoxification of a tobacco-derived carcinogen. <i>Chemico-Biological Interactions</i> , 2003, 143-144, 435-448.	4.0	43
102	Identification and Characterization of a Novel Translational Repressor of the Steroid-inducible 3 β -Hydroxysteroid Dehydrogenase/Carbonyl Reductase Gene in <i>Comamonas testosteroni</i> . <i>Journal of Biological Chemistry</i> , 2003, 278, 47400-47407.	3.4	34
103	11 β -Hydroxysteroid Dehydrogenase Type 1 from Human Liver: Dimerization and Enzyme Cooperativity Support Its Postulated Role as Glucocorticoid Reductase. <i>Biochemistry</i> , 2002, 41, 2459-2465.	2.5	81
104	Identification of a novel <i>Comamonas testosteroni</i> gene encoding a steroid-inducible extradiol dioxygenase. <i>Biochemical and Biophysical Research Communications</i> , 2002, 294, 560-566.	2.1	19
105	Carbonyl reduction of the potential cytostatic drugs benfluron and 3,9-dimethoxybenfluron in human in vitro. <i>Biochemical Pharmacology</i> , 2002, 64, 297-305.	4.4	21
106	Changes in Patient Perception and Behavior following Mohs Micrographic Surgery. <i>Journal of Cutaneous Medicine and Surgery</i> , 2001, 5, 14-17.	1.2	15
107	3 β -Hydroxysteroid dehydrogenase/carbonyl reductase from <i>Comamonas testosteroni</i> : biological significance, three-dimensional structure and gene regulation. <i>Chemico-Biological Interactions</i> , 2001, 130-132, 707-722.	4.0	35
108	A model on the regulation of 3 β -hydroxysteroid dehydrogenase/carbonyl reductase expression in <i>Comamonas testosteroni</i> . <i>Chemico-Biological Interactions</i> , 2001, 130-132, 723-736.	4.0	11

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109	Characterization of enzymes participating in carbonyl reduction of 4-methylnitrosamino-1-(3-pyridyl)-1-butanone (NNK) in human placenta. <i>Chemico-Biological Interactions</i> , 2001, 130-132, 737-748.	4.0	27
110	Regulation of the Steroid-inducible 3 β -Hydroxysteroid Dehydrogenase/Carbonyl Reductase Gene in <i>Comamonas testosteroni</i> . <i>Journal of Biological Chemistry</i> , 2001, 276, 9961-9970.	3.4	55
111	Two repressors for 3 β -HSD gene regulation in <i>Comamonas testosteroni</i> . <i>Biochemical Society Transactions</i> , 2000, 28, A244-A244.	3.4	0
112	Molecular and structural aspects of xenobiotic carbonyl metabolizing enzymes. Role of reductases and dehydrogenases in xenobiotic phase I reactions. <i>Toxicology</i> , 2000, 144, 71-81.	4.2	102
113	Human 11 β -hydroxysteroid dehydrogenase 1/carbonyl reductase: recombinant expression in the yeast <i>Pichia pastoris</i> and <i>Escherichia coli</i> . <i>Toxicology</i> , 2000, 144, 113-120.	4.2	32
114	Development of daunorubicin resistance in tumour cells by induction of carbonyl reduction. <i>Biochemical Pharmacology</i> , 2000, 59, 293-300.	4.4	115
115	Purification and characterization of oxidoreductases-catalyzing carbonyl reduction of the tobacco-specific nitrosamine 4-methylnitrosamino-1-(3-pyridyl)-1-butanone (NNK) in human liver cytosol. <i>Xenobiotica</i> , 2000, 30, 755-769.	1.1	63
116	The Crystal Structure of 3 β -Hydroxysteroid Dehydrogenase/Carbonyl Reductase from <i>Comamonas testosteroni</i> Shows a Novel Oligomerization Pattern within the Short Chain Dehydrogenase/Reductase Family. <i>Journal of Biological Chemistry</i> , 2000, 275, 41333-41339.	3.4	93
117	Functional Expression, Purification, and Characterization of 3 β -Hydroxysteroid Dehydrogenase/Carbonyl Reductase from <i>Comamonas testosteroni</i> . <i>Biochemical and Biophysical Research Communications</i> , 2000, 272, 622-628.	2.1	42
118	Carbonyl reduction of 4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone (NNK) by cytosolic enzymes in human liver and lung. <i>Cancer Letters</i> , 2000, 148, 135-144.	7.2	41
119	Characterization of 11 β -Hydroxysteroid Dehydrogenase Activities in the Renal Cell Line LLC-PK ₁ : Evidence for a Third Isoform?. <i>Endocrine</i> , 1999, 11, 301-308.	2.2	2
120	Interindividual variability in the expression and NNK carbonyl reductase activity of 11 β -hydroxysteroid dehydrogenase 1 in human lung. <i>Cancer Letters</i> , 1999, 145, 49-56.	7.2	35
121	Cloning and Sequencing of a New <i>Comamonas Testosteroni</i> Gene Encoding 3 β -Hydroxysteroid Dehydrogenase/Carbonyl Reductase. <i>Advances in Experimental Medicine and Biology</i> , 1999, 463, 395-402.	1.6	14
122	Carbonyl reduction of an anti-insect agent imidazole analogue of metyrapone in soil bacteria, invertebrate and vertebrate species. <i>Chemico-Biological Interactions</i> , 1998, 114, 211-224.	4.0	7
123	Molecular Cloning, Overexpression, and Characterization of Steroid-inducible 3 β -Hydroxysteroid Dehydrogenase/Carbonyl Reductase from <i>Comamonas testosteroni</i> . <i>Journal of Biological Chemistry</i> , 1998, 273, 30888-30896.	3.4	78
124	11 β -hydroxysteroid dehydrogenase responsible for carbonyl reduction of the tobacco-specific nitrosamine 4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone in mouse lung microsomes. <i>Cancer Research</i> , 1998, 58, 2996-3003.	0.9	37
125	Testosterone-regulated expression of enzymes involved in steroid and aromatic hydrocarbon catabolism in <i>Comamonas testosteroni</i> . <i>Journal of Bacteriology</i> , 1997, 179, 5951-5955.	2.2	58
126	Stress, hormonal changes, alcohol, food constituents and drugs: factors that advance the incidence of tobacco smoke-related cancer?. <i>Trends in Pharmacological Sciences</i> , 1997, 18, 270-275.	8.7	23

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127	Stress, hormonal changes, alcohol, food constituents and drugs: factors that advance the incidence of tobacco smoke-related cancer?. Trends in Pharmacological Sciences, 1997, 18, 270-275.	8.7	31
128	The Effect of Amiloride and Sodium Chloride on Rat Renal and Hepatic 11 β -Hydroxysteroid Dehydrogenase Activities. Basic and Clinical Pharmacology and Toxicology, 1997, 80, 127-131.	0.0	4
129	Carbonyl Reduction of Daunorubicin in Rabbit Liver and Heart. Basic and Clinical Pharmacology and Toxicology, 1997, 80, 240-245.	0.0	15
130	The 11beta-Hydroxysteroid Dehydrogenase System, A Determinant of Glucocorticoid and Mineralocorticoid Action. Role of Type-1 11beta-Hydroxysteroid Dehydrogenase in Detoxification Processes. FEBS Journal, 1997, 249, 365-369.	0.2	64
131	Antibiotic resistance and enhanced insecticide catabolism as consequences of steroid induction in the Gram-negative bacterium Comamonas testosteroni. Journal of Steroid Biochemistry and Molecular Biology, 1996, 58, 217-223.	2.5	44
132	Induction of daunorubicin carbonyl reducing enzymes by daunorubicin in sensitive and resistant pancreas carcinoma cells. Biochemical Pharmacology, 1996, 51, 117-123.	4.4	29
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