Edmund Maser

List of Publications by Year
in descending order

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145	5,210	76326	106344
papers	citations	40 h-index	65 g-index

150	150	150	4510
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The SDR (short-chain dehydrogenase/reductase and related enzymes) nomenclature initiative. Chemico-Biological Interactions, 2009, 178, 94-98.	4.0	329
2	Effects of synthetic gestagens on fish reproduction. Environmental Toxicology and Chemistry, 2009, 28, 2663-2670.	4.3	226
3	Carbonyl Reductases and Pluripotent Hydroxysteroid Dehydrogenases of the Short-chain Dehydrogenase/reductase Superfamily. Drug Metabolism Reviews, 2007, 39, 87-144.	3.6	197
4	Carbonyl Reductase 1 Is a Predominant Doxorubicin Reductase in the Human Liver. Drug Metabolism and Disposition, 2008, 36, 2113-2120.	3.3	158
5	Xenobiotic carbonyl reduction and physiological steroid oxidoreduction. Biochemical Pharmacology, 1995, 49, 421-440.	4.4	147
6	Development of daunorubicin resistance in tumour cells by induction of carbonyl reduction. Biochemical Pharmacology, 2000, 59, 293-300.	4.4	115
7	Sexâ€specificity in lung cancer risk. International Journal of Cancer, 2020, 146, 2376-2382.	5.1	113
8	PURIFICATION AND CHARACTERIZATION OF AKR1B10 FROM HUMAN LIVER: ROLE IN CARBONYL REDUCTION OF XENOBIOTICS. Drug Metabolism and Disposition, 2006, 34, 464-470.	3.3	106
9	Molecular and structural aspects of xenobiotic carbonyl metabolizing enzymes. Role of reductases and dehydrogenases in xenobiotic phase I reactions. Toxicology, 2000, 144, 71-81.	4.2	102
10	Role of human aldoâ€“keto-reductase AKR1B10 in the protection against toxic aldehydes. Chemico-Biological Interactions, 2009, 178, 145-150.	4.0	97
11	Toxicity of Functional Nano-Micro Zinc Oxide Tetrapods: Impact of Cell Culture Conditions, Cellular Age and Material Properties. PLoS ONE, 2014, 9, e84983.	2.5	95
12	11Î²-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
13	Hydroxysteroid dehydrogenases (HSDs) in bacteria â€“ A bioinformatic perspective. Journal of Steroid Biochemistry and Molecular Biology, 2012, 129, 31-46.	2.5	94
14	The Crystal Structure of 3Î±-Hydroxysteroid Dehydrogenase/Carbonyl Reductase from Comamonas testosteroni Shows a Novel Oligomerization Pattern within the Short Chain Dehydrogenase/Reductase Family. Journal of Biological Chemistry, 2000, 275, 41333-41339.	3.4	93
15	11Î²-hydroxysteroid dehydrogenase mediates reductive metabolism of xenobiotic carbonyl compounds. Biochemical Pharmacology, 1994, 47, 1805-1812.	4.4	82
16	11Î²-Hydroxysteroid Dehydrogenase Type 1 from Human Liver:Â Dimerization and Enzyme Cooperativity Support Its Postulated Role as Glucocorticoid Reductaseâ€. Biochemistry, 2002, 41, 2459-2465.	2.5	81
17	Molecular Cloning, Overexpression, and Characterization of Steroid-inducible 3Î±-Hydroxysteroid Dehydrogenase/Carbonyl Reductase from Comamonas testosteroni. Journal of Biological Chemistry, 1998, 273, 30888-30896.	3.4	78
18	Characterization of a 3alpha-Hydroxysteroid Dehydrogenase/Carbonyl Reductase from the Gram-Negative Bacterium Comamonas testosteroni. FEBS Journal, 1996, 241, 744-749.	0.2	76

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19	Human Carbonyl Reductase Catalyzes Reduction of 4-Oxonon-2-enalâ€. Biochemistry, 2004, 43, 13106-13114.	2.5	76
20	The Identification of 11beta-hydroxysteroid Dehydrogenase as Carbonyl Reductase of the Tobacco-Specific Nitrosamine 4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone. FEBS Journal, 1996, 238, 484-489.	0.2	72
21	Inactivation of the anticancer drugs doxorubicin and oracin by aldoâ€“keto reductase (AKR) 1C3. Toxicology Letters, 2008, 181, 1-6.	0.8	69
22	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
23	Human Carbonyl Reductases. Current Drug Metabolism, 2010, 11, 639-658.	1.2	64
24	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. Xenobiotica, 2000, 30, 755-769.	1.1	63
25	Increased resistance of tumor cells to daunorubicin after transfection of cDNAs coding for anthracycline inactivating enzymes. Cancer Letters, 2007, 255, 49-56.	7.2	63
26	Expression profiles of human 11Î²-hydroxysteroid dehydrogenases type 1 and type 2 in inflammatory bowel diseases. Molecular and Cellular Endocrinology, 2009, 301, 104-108.	3.2	62
27	Testosterone-regulated expression of enzymes involved in steroid and aromatic hydrocarbon catabolism in Comamonas testosteroni. Journal of Bacteriology, 1997, 179, 5951-5955.	2.2	58
28	Cloning and Primary Structure of Murine 11beta-Hydroxysteroid Dehydrogenase/Microsomal Carbonyl Reductase. FEBS Journal, 1995, 227, 202-208.	0.2	55
29	Regulation of the Steroid-inducible 3Î±-Hydroxysteroid Dehydrogenase/Carbonyl Reductase Gene in Comamonas testosteroni. Journal of Biological Chemistry, 2001, 276, 9961-9970.	3.4	55
30	The purification of 11Î²-hydroxysteroid dehydrogenase from mouse liver microsomes. Journal of Steroid Biochemistry and Molecular Biology, 1994, 48, 257-263.	2.5	52
31	Biomonitoring of 2,4,6-trinitrotoluene and degradation products in the marine environment with transplanted blue mussels (M. edulis). Toxicology, 2017, 390, 117-123.	4.2	49
32	Structural Basis for Substrate Specificity in Human Monomeric Carbonyl Reductases. PLoS ONE, 2009, 4, e7113.	2.5	47
33	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
34	Neuroprotective role for carbonyl reductase?. Biochemical and Biophysical Research Communications, 2006, 340, 1019-1022.	2.1	44
35	Purification, characterization and NNK carbonyl reductase activities of 11Î²-hydroxysteroid dehydrogenase type 1 from human liver: enzyme cooperativity and significance in the detoxification of a tobacco-derived carcinogen. Chemico-Biological Interactions, 2003, 143-144, 435-448.	4.0	43
36	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. Chemical Research in Toxicology, 2011, 24, 2153-2166.	3.3	43

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37	Regulation of alkane degradation pathway by a TetR family repressor via an autoregulation positive feedback mechanism in a Gramâ€positive Dietzia bacterium. Molecular Microbiology, 2016, 99, 338-359.	2.5	43
38	Functional Expression, Purification, and Characterization of 3Î±-Hydroxysteroid Dehydrogenase/Carbonyl Reductase from Comamonas testosteroni. Biochemical and Biophysical Research Communications, 2000, 272, 622-628.	2.1	42
39	Marine bivalves as bioindicators for environmental pollutants with focus on dumped munitions in the sea: A review. Marine Environmental Research, 2020, 158, 105006.	2.5	42
40	Carbonyl reduction of 4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone (NNK) by cytosolic enzymes in human liver and lung. Cancer Letters, 2000, 148, 135-144.	7.2	41
41	Testosterone-inducible Regulator Is a Kinase That Drives Steroid Sensing and Metabolism in Comamonas testosteroni. Journal of Biological Chemistry, 2008, 283, 17380-17390.	3.4	41
42	Green Tea and One of Its Constituents, Epigallocatechine-3-gallate, Are Potent Inhibitors of Human 11Î²-hydroxysteroid Dehydrogenase Type 1. PLoS ONE, 2014, 9, e84468.	2.5	41
43	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. Drug Metabolism and Disposition, 2004, 32, 915-22.	3.3	41
44	Bioaccumulation of 2,4,6-trinitrotoluene (TNT) and its metabolites leaking from corroded munition in transplanted blue mussels (M. edulis). Marine Pollution Bulletin, 2018, 135, 1072-1078.	5.0	40
45	Regulation of Human Carbonyl Reductase 3 (CBR3; SDR21C2) Expression by Nrf2 in Cultured Cancer Cells. Biochemistry, 2010, 49, 8499-8511.	2.5	39
46	Significance of reductases in the detoxification of the tobacco-specific carcinogen NNK. Trends in Pharmacological Sciences, 2004, 25, 235-237.	8.7	38
47	11Beta-hydroxysteroid dehydrogenase responsible for carbonyl reduction of the tobacco-specific nitrosamine 4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone in mouse lung microsomes. Cancer Research, 1998, 58, 2996-3003.	0.9	37
48	Human <scp>DCXR</scp> â€“ another â€˜moonlighting proteinâ€™ involved in sugar metabolism, carbonyl detoxification, cell adhesion and male fertility?. Biological Reviews, 2015, 90, 254-278.	10.4	36
49	Interindividual variability in the expression and NNK carbonyl reductase activity of 11Î²-hydroxysteroid dehydrogenase 1 in human lung. Cancer Letters, 1999, 145, 49-56.	7.2	35
50	3Î±-Hydroxysteroid dehydrogenase/carbonyl reductase from Comamonas testosteroni: biological significance, three-dimensional structure and gene regulation. Chemico-Biological Interactions, 2001, 130-132, 707-722.	4.0	35
51	Momordica charantia extract, a herbal remedy for type 2 diabetes, contains a specific 11Î²-hydroxysteroid dehydrogenase type 1 inhibitor. Journal of Steroid Biochemistry and Molecular Biology, 2012, 128, 51-55.	2.5	35
52	Identification and Characterization of a Novel Translational Repressor of the Steroid-inducible 3Î±-Hydroxysteroid Dehydrogenase/Carbonyl Reductase Gene in Comamonas testosteroni. Journal of Biological Chemistry, 2003, 278, 47400-47407.	3.4	34
53	Enzymology and Molecular Biology of Glucocorticoid Metabolism in Humans. Progress in Molecular Biology and Translational Science, 2003, 75, 173-216.	1.9	33
54	Aldo-keto reductases (AKR) from the AKR1C subfamily catalyze the carbonyl reduction of the novel anticancer drug oracin in man. Toxicology, 2007, 238, 111-118.	4.2	33

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55	Human 11Î²-hydroxysteroid dehydrogenase 1/carbonyl reductase: recombinant expression in the yeast Pichia pastoris and Escherichia coli. Toxicology, 2000, 144, 113-120.	4.2	32
56	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
57	Induction of daunorubicin carbonyl reducing enzymes by daunorubicin in sensitive and resistant pancreas carcinoma cells. Biochemical Pharmacology, 1996, 51, 117-123.	4.4	29
58	Carbonyl Reduction by 3Î±-HSD from Comamonas Testosteroni â€" New Properties and its Relationship to the SCAD Family. Advances in Experimental Medicine and Biology, 1993, 328, 379-390.	1.6	29
59	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
60	Targeting Acetyl-CoA Carboxylases: Small Molecular Inhibitors and their Therapeutic Potential. Recent Patents on Anti-Cancer Drug Discovery, 2012, 7, 168-184.	1.6	28
61	Characterization of enzymes participating in carbonyl reduction of 4-methylnitrosamino-1-(3-pyridyl)-1-butanone (NNK) in human placenta. Chemico-Biological Interactions, 2001, 130-132, 737-748.	4.0	27
62	Analysis of the substrate-binding site of human carbonyl reductases CBR1 and CBR3 by site-directed mutagenesis. Chemico-Biological Interactions, 2009, 178, 234-241.	4.0	27
63	Functional and immunological relationships between metyrapone reductase from mouse liver microsomes and 3Î±-hydroxysteroid dehydrogenase fromPseudomonas testosteroni. FEBS Letters, 1992, 297, 196-200.	2.8	24
64	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	23
65	Stereochemical aspects of carbonyl reduction of the original anticancer drug oracin by mouse liver microsomes and purified 11Î²-hydroxysteroid dehydrogenase type 1. Chemico-Biological Interactions, 2003, 143-144, 459-468.	4.0	23
66	Genome Sequence of Comamonas testosteroni ATCC 11996, a Representative Strain Involved in Steroid Degradation. Journal of Bacteriology, 2012, 194, 1633-1634.	2.2	23
67	Shortâ€chain dehydrogenases/reductases in cyanobacteria. FEBS Journal, 2012, 279, 1030-1043.	4.7	23
68	Curcumin is a tight-binding inhibitor of the most efficient human daunorubicin reductase â€" Carbonyl reductase 1. Chemico-Biological Interactions, 2015, 234, 162-168.	4.0	23
69	The hop-derived compounds xanthohumol, isoxanthohumol and 8-prenylnaringenin are tight-binding inhibitors of human aldo-keto reductases 1B1 and 1B10. Journal of Enzyme Inhibition and Medicinal Chemistry, 2018, 33, 607-614.	5.2	23
70	â€œDonâ€™t Blastâ€: blast-in-place (BiP) operations of dumped World War munitions in the oceans significantly increase hazards to the environment and the human seafood consumer. Archives of Toxicology, 2020, 94, 1941-1953.	4.2	23
71	11Î²-Hydroxysteroid dehydrogenase type 1 inhibitors with oleanan and ursan scaffolds. Molecular and Cellular Endocrinology, 2009, 301, 132-136.	3.2	22
72	Carbonyl reduction of the potential cytostatic drugs benfluron and 3,9-dimethoxybenfluron in human in vitro. Biochemical Pharmacology, 2002, 64, 297-305.	4.4	21

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73	Studies on reduction of S-nitrosoglutathione by human carbonyl reductases 1 and 3. Chemico-Biological Interactions, 2011, 191, 95-103.	4.0	21
74	Can seafood from marine sites of dumped World War relicts be eaten?. Archives of Toxicology, 2021, 95, 2255-2261.	4.2	21
75	The novel anticancer drug oracin: different stereospecificity and cooperativity for carbonyl reduction by purified human liver 11Î²-hydroxysteroid dehydrogenase type 1. Toxicology, 2004, 197, 253-261.	4.2	20
76	The Drosophila carbonyl reductase sniffer is an efficient 4-oxonon-2-enal (4ONE) reductase. Chemico-Biological Interactions, 2011, 191, 48-54.	4.0	20
77	Identification of a novel Comamonas testosteroni gene encoding a steroid-inducible extradiol dioxygenase. Biochemical and Biophysical Research Communications, 2002, 294, 560-566.	2.1	19
78	Additivity, antagonism, and synergy in arsenic trioxide-induced growth inhibition of C6 glioma cells: Effects of genistein, quercetin and buthionine-sulfoximine. Food and Chemical Toxicology, 2014, 67, 212-221.	3.6	19
79	Identification of a new steroid degrading bacterial strain H5 from the Baltic Sea and isolation of two estradiol inducible genes. Journal of Steroid Biochemistry and Molecular Biology, 2012, 129, 22-30.	2.5	18
80	Isolation and identification of a repressor TetR for 3,17Î²-HSD expressional regulation in Comamonas testosteroni. Chemico-Biological Interactions, 2015, 234, 205-212.	4.0	18
81	Inhibition of human anthracycline reductases by emodin â€" A possible remedy for anthracycline resistance. Toxicology and Applied Pharmacology, 2016, 293, 21-29.	2.8	18
82	Different inhibitory potential of sex hormones on NNK detoxification inÂvitro : A possible explanation for gender-specific lung cancer risk. Cancer Letters, 2017, 405, 120-126.	7.2	18
83	Expression and activity of the cortisol-activating enzyme 11Î²-hydroxysteroid dehydrogenase type 1 is tissue and species-specific. Chemico-Biological Interactions, 2019, 303, 57-61.	4.0	18
84	11Î²-Hydroxysteroid dehydrogenase type 1: Purification from human liver and characterization as carbonyl reductase of xenobiotics. Molecular and Cellular Endocrinology, 2006, 248, 34-37.	3.2	17
85	Identification of microRNAs as a potential novel regulatory mechanism in HSD11B1 expression. Journal of Steroid Biochemistry and Molecular Biology, 2013, 133, 129-139.	2.5	17
86	Steroid degradation and two steroid-inducible enzymes in the marine bacterium H5. Chemico-Biological Interactions, 2011, 191, 89-94.	4.0	16
87	Bioinformatic and biochemical characterization of DCXR and DHRS2/4 from Caenorhabditis elegans. Chemico-Biological Interactions, 2011, 191, 75-82.	4.0	16
88	Identification and Characterization of the LysR-Type Transcriptional Regulator HsdR for Steroid-Inducible Expression of the 3Î±-Hydroxysteroid Dehydrogenase/Carbonyl Reductase Gene in Comamonas testosteroni. Applied and Environmental Microbiology, 2012, 78, 941-950.	3.1	16
89	A novel transcriptional repressor PhaR for the steroid-inducible expression of the 3,17Î²-hydroxysteroid dehydrogenase gene in Comamonas testosteroni ATCC11996. Chemico-Biological Interactions, 2013, 202, 116-125.	4.0	16
90	The explosive trinitrotoluene (TNT) induces gene expression of carbonyl reductase in the blue mussel (Mytilus spp.): a new promising biomarker for sea dumped war relicts?. Archives of Toxicology, 2020, 94, 4043-4054.	4.2	16

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91	A Toolbox for the Determination of Nitroaromatic Explosives in Marine Water, Sediment, and Biota Samples on Femtogram Levels by GC-MS/MS. Toxics, 2021, 9, 60.	3.7	16
92	Carbonyl Reduction of Daunorubicin in Rabbit Liver and Heart. Basic and Clinical Pharmacology and Toxicology, 1997, 80, 240-245.	0.0	15
93	Changes in Patient Perception and Behavior following Mohs Micrographic Surgery. Journal of Cutaneous Medicine and Surgery, 2001, 5, 14-17.	1.2	15
94	The cortisol-activating enzyme 11Î²-hydroxysteroid dehydrogenase type 1 in skeletal muscle in the pathogenesis of the metabolic syndrome. Journal of Steroid Biochemistry and Molecular Biology, 2017, 174, 65-71.	2.5	15
95	Degradation of 2,4,6-Trinitrotoluene (TNT): Involvement of Protocatechuate 3,4-Dioxygenase (P34O) in Buttiauxella sp. S19-1. Toxics, 2021, 9, 231.	3.7	15
96	Acute aquatic toxicity of arsenic-based chemical warfare agents to Daphnia magna. Aquatic Toxicology, 2021, 230, 105693.	4.0	14
97	Cloning and Sequencing of a New Comamonas Testosteroni Gene Encoding 3Î±-Hydroxysteroid Dehydrogenase/Carbonyl Reductase. Advances in Experimental Medicine and Biology, 1999, 463, 395-402.	1.6	14
98	Understanding oligomerization in 3Î±-hydroxysteroid dehydrogenase/carbonyl reductase from Comamonas testosteroni: An in silico approach and evidence for an active protein. Journal of Biotechnology, 2007, 129, 131-139.	3.8	13
99	Cis- and trans-regulatory elements of 3Î±-hydroxysteroid dehydrogenase/carbonyl reductase as biosensor system for steroid determination in the environment. Chemico-Biological Interactions, 2009, 178, 215-220.	4.0	13
100	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
101	Steroids and microorganisms. Journal of Steroid Biochemistry and Molecular Biology, 2012, 129, 1-3.	2.5	13
102	Exposure to dissolved TNT causes multilevel biological effects in Baltic mussels (Mytilus spp.). Marine Environmental Research, 2021, 167, 105264.	2.5	13
103	3Î±-Hydroxysteroid dehydrogenase/carbonyl reductase as a tool for isolation and characterization of a new marine steroid degrading bacterial strain. Chemico-Biological Interactions, 2009, 178, 206-210.	4.0	12
104	Partial purification and characterization of a new human membrane-bound carbonyl reductase playing a role in the deactivation of the anticancer drug oracin. Toxicology, 2009, 264, 52-60.	4.2	12
105	Cloning, expression and characterization of a novel short-chain dehydrogenase/reductase (SDRx) in Comamonas testosteroni. Journal of Steroid Biochemistry and Molecular Biology, 2012, 129, 15-21.	2.5	12
106	A model on the regulation of 3Î±-hydroxysteroid dehydrogenase/carbonyl reductase expression in Comamonas testosteroni. Chemico-Biological Interactions, 2001, 130-132, 723-736.	4.0	11
107	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
108	Identification and isolation of a regulator protein for 3,17Î²-HSD expressional regulation in Comamonas testosteroni. Chemico-Biological Interactions, 2015, 234, 197-204.	4.0	11

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109	Sex hormones reduce NNK detoxification through inhibition of short-chain dehydrogenases/reductases and aldo-keto reductases inÂvitro. Chemico-Biological Interactions, 2017, 276, 167-173.	4.0	11
110	Crystal structure and catalytic characterization of the dehydrogenase/reductase <scp>SDR</scp> family member 4 (<scp>DHRS</scp>4) from Caenorhabditis elegans. FEBS Journal, 2018, 285, 275-293.	4.7	11
111	Selective Inhibition of Human AKR1B10 by n-Humulone, Adhumulone and Cohumulone Isolated from Humulus lupulus Extract. Molecules, 2018, 23, 3041.	3.8	11
112	Carbonyl reductases from Daphnia are regulated by redox cycling compounds. FEBS Journal, 2018, 285, 2869-2887.	4.7	11
113	Reduction of lipid peroxidation products and advanced glycation endâ€product precursors by cyanobacterial aldoâ€keto reductase AKR3G1â€"a founding member of the AKR3G subfamily. FASEB Journal, 2015, 29, 263-273.	0.5	10
114	Construction of a biosensor mutant of Comamonas testosteroni for testosterone determination by cloning the EGFP gene downstream to the regulatory region of the 3,17Î²-HSD gene. Chemico-Biological Interactions, 2015, 234, 188-196.	4.0	10
115	Potent inhibition of human carbonyl reductase 1 (CBR1) by the prenylated chalconoid xanthohumol and its related prenylflavonoids isoxanthohumol and 8-prenylnaringenin. Chemico-Biological Interactions, 2019, 305, 156-162.	4.0	10
116	Oligomerization and negative autoregulation of the LysR-type transcriptional regulator HsdR from Comamonas testosteroni. Journal of Steroid Biochemistry and Molecular Biology, 2012, 132, 203-211.	2.5	9
117	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
118	S-Nitrosoglutathione covalently modifies cysteine residues of human carbonyl reductase 1 and affects its activity. Chemico-Biological Interactions, 2013, 202, 136-145.	4.0	9
119	Characterization and recombinant expression of the translational repressor RepB of 3Î±-hydroxysteroid dehydrogenase/carbonyl reductase in Comamonas testosteroni. Chemico-Biological Interactions, 2003, 143-144, 425-433.	4.0	8
120	Transcriptional regulation of human and murine short-chain dehydrogenase/reductases (SDRs) â€“ an in silico approach. Drug Metabolism Reviews, 2016, 48, 183-217.	3.6	8
121	Carbonyl reductase sniffer from the model organism daphnia: Cloning, substrate determination and inhibitory sensitivity. Chemico-Biological Interactions, 2019, 307, 29-36.	4.0	8
122	Ontogenic pattern of carbonyl reductase activity of 11Î²-hydroxysteroid dehydrogenase in mouse liver and kidney. Xenobiotica, 1994, 24, 109-117.	1.1	7
123	Carbonyl reduction of an anti-insect agent imidazole analogue of metyrapone in soil bacteria, invertebrate and vertebrate species. Chemico-Biological Interactions, 1998, 114, 211-224.	4.0	7
124	Characterization of Microsomal and Cytoplasmic Metyrapone Reducing Enzymes from Mouse Liver. Archives of Toxicology Supplement, 1989, 13, 271-274.	0.7	7
125	Machine Learning Predicts the Presence of 2,4,6-Trinitrotoluene in Sediments of a Baltic Sea Munitions Dumpsite Using Microbial Community Compositions. Frontiers in Microbiology, 2021, 12, 626048.	3.5	6
126	Reduction of photoswitched, nitrogen bridged N-acetyl diazocines limits inhibition of 17Î²HSD3 activity in transfected human embryonic kidney 293Âcells. Chemico-Biological Interactions, 2022, 354, 109822.	4.0	6

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127	The occurance of carbonyl reduction in continuous cell lines emphasizes the essentiality of this metabolic pathway. FEBS Letters, 1991, 282, 359-362.	2.8	5
128	The Effect of Amiloride and Sodium Chloride on Rat Renal and Hepatic 11Î²â€Hydroxysteroid Dehydrogenase Activities. Basic and Clinical Pharmacology and Toxicology, 1997, 80, 127-131.	0.0	4
129	Regulation of 3Î±-hydroxysteroid dehydrogenase/carbonyl reductase in Comamonas testosteroni: function and relationship of two operators. Chemico-Biological Interactions, 2003, 143-144, 411-423.	4.0	4
130	Analysis and characterization of eight estradiol inducible genes and a strong promoter from the steroid degrading marine bacterial strain S19-1. Chemico-Biological Interactions, 2013, 202, 159-167.	4.0	4
131	Competing Roles of Reductases in the Detoxification of the Tobacco-Specific Nitrosamine Ketone NNK. ACS Symposium Series, 2003, , 67-82.	0.5	3
132	Regulation of 11Î²-hydroxysteroid dehydrogenase type 1 following caloric restriction and re-feeding is species dependent. Chemico-Biological Interactions, 2017, 276, 95-104.	4.0	3
133	Genomic analysis of Gordonia polyisoprenivorans strain R9, a highly effective 17 beta-estradiol- and steroid-degrading bacterium. Chemico-Biological Interactions, 2021, 350, 109685.	4.0	3
134	Characterization of 11Î²-Hydroxysteroid Dehydrogenase Activities in the Renal Cell Line LLC-PK₁: Evidence for a Third Isoform?. Endocrine, 1999, 11, 301-308.	2.2	2
135	The Influence of Cytochrome P-450 Inducers on Carbonyl Reduction in Mouse Liver. Archives of Toxicology Supplement, 1991, 14, 188-192.	0.7	2
136	Induction of carbonyl reductase 1 (CR1) gene expression in Daphnia magna by TNT, but not its key metabolites 2-ADNT and 4-ADNT. Chemico-Biological Interactions, 2022, 351, 109752.	4.0	2
137	Inhibition of human carbonyl reducing enzymes by plant anthrone and anthraquinone derivatives. Chemico-Biological Interactions, 2022, 354, 109823.	4.0	2
138	16th Carbonyl Metabolism Meeting: from enzymology to genomics. Human Genomics, 2012, 6, 25.	2.9	1
139	Two repressors for 3Î±-HSD gene regulation in Comamonas testosteroni. Biochemical Society Transactions, 2000, 28, A244-A244.	3.4	0
140	Introduction. Chemico-Biological Interactions, 2013, 202, 1.	4.0	0
141	Reductases. , 2011, , 3209-3214.		0
142	Reductases. , 2014, , 1-6.		0
143	Reductases. , 2016, , 3964-3969.		0
144	Carbonyl reduction of 4-oxonon-2-enal (4-ONE) by Sniffer from D. magna and D. pulex. Chemico-Biological Interactions, 2022, 354, 109833.	4.0	0

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145	Molecular cloning and sequencing of mouse hepatic 11 beta-hydroxysteroid dehydrogenase/carbonyl reductase. A member of the short chain dehydrogenase superfamily. Advances in Experimental Medicine and Biology, 1995, 372, 211-21.	1.6	0