

Antonella Del-Corso

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/8696415/antonella-del-corso-publications-by-year.pdf>

Version: 2024-04-24

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

70
papers

1,384
citations

22
h-index

35
g-index

72
ext. papers

1,529
ext. citations

4.7
avg, IF

3.61
L-index

| # | Paper | IF | Citations |
|----|--|-----|-----------|
| 70 | Models of enzyme inhibition and apparent dissociation constants from kinetic analysis to study the differential inhibition of aldose reductase. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2022 , 37, 1426-1436 | 5.6 | 0 |
| 69 | In Search for Multi-Target Ligands as Potential Agents for Diabetes Mellitus and Its Complications-A Structure-Activity Relationship Study on Inhibitors of Aldose Reductase and Protein Tyrosine Phosphatase 1B. <i>Molecules</i> , 2021 , 26, | 4.8 | 6 |
| 68 | Dual Targeting of PTP1B and Aldose Reductase with Marine Drug Phosphoeleganin: A Promising Strategy for Treatment of Type 2 Diabetes. <i>Marine Drugs</i> , 2021 , 19, | 6 | 4 |
| 67 | Pathways of 4-Hydroxy-2-Nonenal Detoxification in a Human Astrocytoma Cell Line. <i>Antioxidants</i> , 2020 , 9, | 7.1 | 4 |
| 66 | Intra-site differential inhibition of multi-specific enzymes. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2020 , 35, 840-846 | 5.6 | 3 |
| 65 | Aldose Reductase Differential Inhibitors in Green Tea. <i>Biomolecules</i> , 2020 , 10, | 5.9 | 6 |
| 64 | Dehydrogenase/reductase activity of human carbonyl reductase 1 with NADP(H) acting as a prosthetic group. <i>Biochemical and Biophysical Research Communications</i> , 2020 , 522, 259-263 | 3.4 | 2 |
| 63 | Chemical profile and nutraceutical features of Salsola soda (agretti): Anti-inflammatory and antidiabetic potential of its flavonoids. <i>Food Bioscience</i> , 2020 , 37, 100713 | 4.9 | 6 |
| 62 | The furanosidic scaffold of d-ribose: a milestone for cell life. <i>Biochemical Society Transactions</i> , 2019 , 47, 1931-1940 | 5.1 | 4 |
| 61 | Stereoselectivity of Aldose Reductase in the Reduction of Glutathionyl-Hydroxynonanal Adduct. <i>Antioxidants</i> , 2019 , 8, | 7.1 | 6 |
| 60 | Soyasaponins from Zolfino bean as aldose reductase differential inhibitors. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2019 , 34, 350-360 | 5.6 | 9 |
| 59 | Acid Derivatives of Pyrazolo[1,5-a]pyrimidine as Aldose Reductase Differential Inhibitors. <i>Cell Chemical Biology</i> , 2018 , 25, 1414-1418.e3 | 8.2 | 9 |
| 58 | An investigation on 4-thiazolidinone derivatives as dual inhibitors of aldose reductase and protein tyrosine phosphatase 1B, in the search for potential agents for the treatment of type 2 diabetes mellitus and its complications. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2018 , 28, 3712-3720 | 2.9 | 22 |
| 57 | Edible vegetables as a source of aldose reductase differential inhibitors. <i>Chemico-Biological Interactions</i> , 2017 , 276, 155-159 | 5 | 7 |
| 56 | Kinetic features of carbonyl reductase 1 acting on glutathionylated aldehydes. <i>Chemico-Biological Interactions</i> , 2017 , 276, 127-132 | 5 | 6 |
| 55 | How the chemical features of molecules may have addressed the settlement of metabolic steps. <i>Metabolomics</i> , 2017 , 14, 2 | 4.7 | 2 |
| 54 | The use of dimethylsulfoxide as a solvent in enzyme inhibition studies: the case of aldose reductase. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2017 , 32, 1152-1158 | 5.6 | 17 |

| | | | |
|----|--|-----|----|
| 53 | Thiol oxidase ability of copper ion is specifically retained upon chelation by aldose reductase. <i>Journal of Biological Inorganic Chemistry</i> , 2017 , 22, 559-565 | 3.7 | 2 |
| 52 | Colorimetric Coupled Enzyme Assay for Cystathionine β -Synthase. <i>Analytical Sciences</i> , 2016 , 32, 901-6 | 1.7 | |
| 51 | Climate-related environmental stress in intertidal grazers: scaling-up biochemical responses to assemblage-level processes. <i>PeerJ</i> , 2016 , 4, e2533 | 3.1 | 2 |
| 50 | Zolfino landrace (<i>Phaseolus vulgaris</i> L.) from Pratomagno: general and specific features of a functional food. <i>Food and Nutrition Research</i> , 2016 , 60, 31792 | 3.1 | 13 |
| 49 | Purification and characterization of a Cys-Gly hydrolase from the gastropod mollusk, <i>Patella caerulea</i> . <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2016 , 31, 1560-5 | 5.6 | 0 |
| 48 | Apparent cooperativity and apparent hyperbolic behavior of enzyme mixtures acting on the same substrate. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2016 , 31, 1556-9 | 5.6 | 1 |
| 47 | Human carbonyl reductase 1 as efficient catalyst for the reduction of glutathionylated aldehydes derived from lipid peroxidation. <i>Free Radical Biology and Medicine</i> , 2016 , 99, 323-332 | 7.8 | 20 |
| 46 | Modulation of aldose reductase activity by aldose hemiacetals. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2015 , 1850, 2329-39 | 4 | 12 |
| 45 | L-Idose: an attractive substrate alternative to D-glucose for measuring aldose reductase activity. <i>Biochemical and Biophysical Research Communications</i> , 2015 , 456, 891-5 | 3.4 | 18 |
| 44 | NADP(+)-dependent dehydrogenase activity of carbonyl reductase on glutathionylhydroxynonanal as a new pathway for hydroxynonanal detoxification. <i>Free Radical Biology and Medicine</i> , 2015 , 83, 66-76 | 7.8 | 19 |
| 43 | Basic models for differential inhibition of enzymes. <i>Biochemical and Biophysical Research Communications</i> , 2014 , 445, 556-60 | 3.4 | 12 |
| 42 | Structure-activity relationships and molecular modelling of new 5-arylidene-4-thiazolidinone derivatives as aldose reductase inhibitors and potential anti-inflammatory agents. <i>European Journal of Medicinal Chemistry</i> , 2014 , 81, 1-14 | 6.8 | 53 |
| 41 | Interaction of arabinogalactan with mucins. <i>International Journal of Biological Macromolecules</i> , 2014 , 67, 446-51 | 7.9 | 9 |
| 40 | Rapid colorimetric determination of reduced and oxidized glutathione using an end point coupled enzymatic assay. <i>Analytical and Bioanalytical Chemistry</i> , 2013 , 405, 1779-85 | 4.4 | 15 |
| 39 | Impact on enzyme activity as a new quality index of wastewater. <i>Journal of Environmental Management</i> , 2013 , 117, 76-84 | 7.9 | 2 |
| 38 | A new approach to control the enigmatic activity of aldose reductase. <i>PLoS ONE</i> , 2013 , 8, e74076 | 3.7 | 35 |
| 37 | In vitro evaluation of 5-arylidene-2-thioxo-4-thiazolidinones active as aldose reductase inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2011 , 21, 200-3 | 2.9 | 44 |
| 36 | Identification of 5-arylidene-4-thiazolidinone derivatives endowed with dual activity as aldose reductase inhibitors and antioxidant agents for the treatment of diabetic complications. <i>European Journal of Medicinal Chemistry</i> , 2011 , 46, 2797-806 | 6.8 | 76 |

| | | | |
|----|---|-----|----|
| 35 | Identification of new non-carboxylic acid containing inhibitors of aldose reductase. <i>Bioorganic and Medicinal Chemistry</i> , 2010 , 18, 4049-55 | 3-4 | 30 |
| 34 | Gamma-glutamyltransferase activity in human atherosclerotic plaques--biochemical similarities with the circulating enzyme. <i>Atherosclerosis</i> , 2009 , 202, 119-27 | 3-1 | 92 |
| 33 | Colorimetric coupled enzyme assay for gamma-glutamyltransferase activity using glutathione as substrate. <i>Journal of Proteomics</i> , 2006 , 67, 123-30 | | 23 |
| 32 | Metal ion substitution in the catalytic site greatly affects the binding of sulfhydryl-containing compounds to leucyl aminopeptidase. <i>Biochemistry</i> , 2006 , 45, 3226-34 | 3-2 | 30 |
| 31 | Chaperone-like activity of alpha-crystallin toward aldose reductase oxidatively stressed by copper ion. <i>Archives of Biochemistry and Biophysics</i> , 2006 , 453, 13-7 | 4-1 | 9 |
| 30 | Zofenoprilat-glutathione mixed disulfide as a specific S-thiolating agent of bovine lens aldose reductase. <i>Antioxidants and Redox Signaling</i> , 2005 , 7, 841-8 | 8-4 | 2 |
| 29 | New role for leucyl aminopeptidase in glutathione turnover. <i>Biochemical Journal</i> , 2004 , 378, 35-44 | 3-8 | 49 |
| 28 | Binding of 1-benzopyran-4-one derivatives to aldose reductase: a free energy perturbation study. <i>Bioorganic and Medicinal Chemistry</i> , 2002 , 10, 1427-36 | 3-4 | 8 |
| 27 | Oxidative modification of aldose reductase induced by copper ion. Definition of the metal-protein interaction mechanism. <i>Journal of Biological Chemistry</i> , 2002 , 277, 42017-27 | 5-4 | 51 |
| 26 | Physiological thiols as promoters of glutathione oxidation and modifying agents in protein S-thiolation. <i>Archives of Biochemistry and Biophysics</i> , 2002 , 397, 392-8 | 4-1 | 19 |
| 25 | 7-Hydroxy-2-substituted-4-H-1-benzopyran-4-one derivatives as aldose reductase inhibitors: a SAR study. <i>European Journal of Medicinal Chemistry</i> , 2001 , 36, 697-703 | 6-8 | 18 |
| 24 | Thiol/disulfide interconversion in bovine lens aldose reductase induced by intermediates of glutathione turnover. <i>Biochemistry</i> , 2001 , 40, 11985-94 | 3-2 | 16 |
| 23 | Thiol disulfide exchange modulates the activity of aldose reductase in intact bovine lens as a response to oxidative stress. <i>Experimental Eye Research</i> , 2000 , 70, 795-803 | 3-7 | 20 |
| 22 | Aldose reductase does catalyse the reduction of glyceraldehyde through a stoichiometric oxidation of NADPH. <i>Experimental Eye Research</i> , 2000 , 71, 515-21 | 3-7 | 30 |
| 21 | 1-Benzopyran-4-one antioxidants as aldose reductase inhibitors. <i>Journal of Medicinal Chemistry</i> , 1999 , 42, 1881-93 | 8-3 | 82 |
| 20 | A new approach against sugar cataract through aldose reductase inhibitors. <i>Experimental Eye Research</i> , 1999 , 69, 533-8 | 3-7 | 29 |
| 19 | Hirunorms, novel hirudin-like direct thrombin inhibitors. <i>General Pharmacology</i> , 1998 , 30, 565-8 | | 2 |
| 18 | Oxidative modification of aldose reductase induced by copper ion. Factors and conditions affecting the process. <i>Biochemistry</i> , 1998 , 37, 14167-74 | 3-2 | 18 |

| | | | |
|----|---|-----|----|
| 17 | Site-specific inactivation of aldose reductase by 4-hydroxynonenal. <i>Archives of Biochemistry and Biophysics</i> , 1998 , 350, 245-8 | 4.1 | 51 |
| 16 | Structure-based design of an inhibitor modeled at the substrate active site of aldose reductase. <i>Bioorganic and Medicinal Chemistry Letters</i> , 1997 , 7, 1897-1902 | 2.9 | 24 |
| 15 | Kinetics of human thrombin inhibition by two novel peptide inhibitors (Hirunorm IV and Hirunorm V). <i>Biochemical Pharmacology</i> , 1996 , 52, 1141-6 | 6 | 10 |
| 14 | Synthesis, activity, and molecular modeling of a new series of tricyclic pyridazinones as selective aldose reductase inhibitors. <i>Journal of Medicinal Chemistry</i> , 1996 , 39, 4396-405 | 8.3 | 85 |
| 13 | Specifically targeted modification of human aldose reductase by physiological disulfides. <i>Journal of Biological Chemistry</i> , 1996 , 271, 33539-44 | 5.4 | 58 |
| 12 | Glutathione dependent modification of bovine lens aldose reductase. <i>Experimental Eye Research</i> , 1994 , 58, 491-501 | 3.7 | 52 |
| 11 | Purine nucleoside phosphorylase from bovine lens: purification and properties. <i>BBA - Proteins and Proteomics</i> , 1992 , 1160, 163-70 | | 5 |
| 10 | Deoxyribose 5-phosphate aldolase of <i>Bacillus cereus</i> : purification and properties. <i>BBA - Proteins and Proteomics</i> , 1992 , 1118, 130-3 | | 13 |
| 9 | Identification and purification of a calcium-binding protein from <i>Bacillus subtilis</i> . <i>BBA - Proteins and Proteomics</i> , 1991 , 1080, 160-4 | | 3 |
| 8 | Liver purine nucleoside phosphorylase in <i>Camelus dromedarius</i> : purification and properties. <i>Comparative Biochemistry and Physiology Part B: Comparative Biochemistry</i> , 1990 , 97, 177-82 | | 1 |
| 7 | Bovine lens aldose reductase: tight binding of the pyridine coenzyme. <i>Archives of Biochemistry and Biophysics</i> , 1990 , 283, 512-8 | 4.1 | 40 |
| 6 | Bovine lens aldose reductase: identification of two enzyme forms. <i>Archives of Biochemistry and Biophysics</i> , 1989 , 270, 604-10 | 4.1 | 30 |
| 5 | Lens aldo-keto reductase of <i>Camelus dromedarius</i> : purification and properties. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 1989 , 993, 116-20 | 4 | 1 |
| 4 | Alpha-5-phosphoribosyl-1-pyrophosphate-independent salvage of purines in cultured Chinese hamster lung fibroblasts. <i>Archives of Biochemistry and Biophysics</i> , 1988 , 265, 234-40 | 4.1 | 3 |
| 3 | In vitro modification of bovine lens aldose reductase activity. <i>Biochemical and Biophysical Research Communications</i> , 1987 , 148, 369-75 | 3.4 | 24 |
| 2 | Radioenzymatic determination of adenosine. <i>Analytical Biochemistry</i> , 1987 , 166, 253-6 | 3.1 | 2 |
| 1 | Spectrophotometric and radioenzymatic determination of ribose-5-phosphate. <i>Journal of Proteomics</i> , 1984 , 10, 163-71 | | 5 |