

# Roberta Moschini

## List of Publications by Citations

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

42  
papers

537  
citations

13  
h-index

21  
g-index

45  
ext. papers

631  
ext. citations

5.2  
avg, IF

3.18  
L-index

#	Paper	IF	Citations
42	Site-specific inactivation of aldose reductase by 4-hydroxynonenal. <i>Archives of Biochemistry and Biophysics</i> , <b>1998</b> , 350, 245-8	4.1	51
41	In vitro evaluation of 5-arylidene-2-thioxo-4-thiazolidinones active as aldose reductase inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2011</b> , 21, 200-3	2.9	44
40	Chaperone-like features of bovine serum albumin: a comparison with alpha-crystallin. <i>Cellular and Molecular Life Sciences</i> , <b>2005</b> , 62, 3092-9	10.3	44
39	A new approach to control the enigmatic activity of aldose reductase. <i>PLoS ONE</i> , <b>2013</b> , 8, e74076	3.7	35
38	Identification of new non-carboxylic acid containing inhibitors of aldose reductase. <i>Bioorganic and Medicinal Chemistry</i> , <b>2010</b> , 18, 4049-55	3.4	30
37	Metal ion substitution in the catalytic site greatly affects the binding of sulfhydryl-containing compounds to leucyl aminopeptidase. <i>Biochemistry</i> , <b>2006</b> , 45, 3226-34	3.2	30
36	Complete protection by alpha-crystallin of lens sorbitol dehydrogenase undergoing thermal stress. <i>Journal of Biological Chemistry</i> , <b>2000</b> , 275, 32559-65	5.4	29
35	Colorimetric coupled enzyme assay for gamma-glutamyltransferase activity using glutathione as substrate. <i>Journal of Proteomics</i> , <b>2006</b> , 67, 123-30		23
34	Human carbonyl reductase 1 as efficient catalyst for the reduction of glutathionylated aldehydes derived from lipid peroxidation. <i>Free Radical Biology and Medicine</i> , <b>2016</b> , 99, 323-332	7.8	20
33	NADP(+)-dependent dehydrogenase activity of carbonyl reductase on glutathionylhydroxynonenal as a new pathway for hydroxynonenal detoxification. <i>Free Radical Biology and Medicine</i> , <b>2015</b> , 83, 66-76	7.8	19
32	L-Idose: an attractive substrate alternative to D-glucose for measuring aldose reductase activity. <i>Biochemical and Biophysical Research Communications</i> , <b>2015</b> , 456, 891-5	3.4	18
31	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> , <b>2017</b> , 32, 1152-1158	5.6	17
30	Rapid colorimetric determination of reduced and oxidized glutathione using an end point coupled enzymatic assay. <i>Analytical and Bioanalytical Chemistry</i> , <b>2013</b> , 405, 1779-85	4.4	15
29	Alpha-crystallin: an ATP-independent complete molecular chaperone toward sorbitol dehydrogenase. <i>Cellular and Molecular Life Sciences</i> , <b>2005</b> , 62, 599-605	10.3	13
28	Zolfino landrace ( <i>Phaseolus vulgaris</i> L.) from Pratomagno: general and specific features of a functional food. <i>Food and Nutrition Research</i> , <b>2016</b> , 60, 31792	3.1	13
27	Modulation of aldose reductase activity by aldose hemiacetals. <i>Biochimica Et Biophysica Acta - General Subjects</i> , <b>2015</b> , 1850, 2329-39	4	12
26	Basic models for differential inhibition of enzymes. <i>Biochemical and Biophysical Research Communications</i> , <b>2014</b> , 445, 556-60	3.4	12

25	Acid Derivatives of Pyrazolo[1,5-a]pyrimidine as Aldose Reductase Differential Inhibitors. <i>Cell Chemical Biology</i> , <b>2018</b> , 25, 1414-1418.e3	8.2	9
24	Interaction of arabinogalactan with mucins. <i>International Journal of Biological Macromolecules</i> , <b>2014</b> , 67, 446-51	7.9	9
23	Chaperone-like activity of alpha-crystallin toward aldose reductase oxidatively stressed by copper ion. <i>Archives of Biochemistry and Biophysics</i> , <b>2006</b> , 453, 13-7	4.1	9
22	Soyasaponins from Zolfino bean as aldose reductase differential inhibitors. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , <b>2019</b> , 34, 350-360	5.6	9
21	Enhancing activity and selectivity in a series of pyrrol-1-yl-1-hydroxypyrazole-based aldose reductase inhibitors: The case of trifluoroacetylation. <i>European Journal of Medicinal Chemistry</i> , <b>2017</b> , 130, 328-335	6.8	7
20	Edible vegetables as a source of aldose reductase differential inhibitors. <i>Chemico-Biological Interactions</i> , <b>2017</b> , 276, 155-159	5	7
19	Cysteinyl-glycine in the control of glutathione homeostasis in bovine lenses. <i>Molecular Vision</i> , <b>2010</b> , 16, 1025-33	2.3	7
18	Kinetic features of carbonyl reductase 1 acting on glutathionylated aldehydes. <i>Chemico-Biological Interactions</i> , <b>2017</b> , 276, 127-132	5	6
17	Aldose Reductase Differential Inhibitors in Green Tea. <i>Biomolecules</i> , <b>2020</b> , 10,	5.9	6
16	Chemical profile and nutraceutical features of Salsola soda (agretti): Anti-inflammatory and antidiabetic potential of its flavonoids. <i>Food Bioscience</i> , <b>2020</b> , 37, 100713	4.9	6
15	Stereoselectivity of Aldose Reductase in the Reduction of Glutathionyl-Hydroxynonanal Adduct. <i>Antioxidants</i> , <b>2019</b> , 8,	7.1	6
14	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> , <b>2021</b> , 26,	4.8	6
13	Pathways of 4-Hydroxy-2-Nonenal Detoxification in a Human Astrocytoma Cell Line. <i>Antioxidants</i> , <b>2020</b> , 9,	7.1	4
12	The furanosidic scaffold of d-ribose: a milestone for cell life. <i>Biochemical Society Transactions</i> , <b>2019</b> , 47, 1931-1940	5.1	4
11	Intra-site differential inhibition of multi-specific enzymes. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , <b>2020</b> , 35, 840-846	5.6	3
10	How the chemical features of molecules may have addressed the settlement of metabolic steps. <i>Metabolomics</i> , <b>2017</b> , 14, 2	4.7	2
9	Impact on enzyme activity as a new quality index of wastewater. <i>Journal of Environmental Management</i> , <b>2013</b> , 117, 76-84	7.9	2
8	Thiol oxidase ability of copper ion is specifically retained upon chelation by aldose reductase. <i>Journal of Biological Inorganic Chemistry</i> , <b>2017</b> , 22, 559-565	3.7	2

7	Zofenoprilat-glutathione mixed disulfide as a specific S-thiolating agent of bovine lens aldose reductase. <i>Antioxidants and Redox Signaling</i> , <b>2005</b> , 7, 841-8	8.4	2
6	Dehydrogenase/reductase activity of human carbonyl reductase 1 with NADP(H) acting as a prosthetic group. <i>Biochemical and Biophysical Research Communications</i> , <b>2020</b> , 522, 259-263	3.4	2
5	Cytosolic 5]-Nucleotidase II Silencing in Lung Tumor Cells Regulates Metabolism through Activation of the p53/AMPK Signaling Pathway. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	1
4	Apparent cooperativity and apparent hyperbolic behavior of enzyme mixtures acting on the same substrate. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , <b>2016</b> , 31, 1556-9	5.6	1
3	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> , <b>2016</b> , 31, 1560-5	5.6	0
2	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> , <b>2022</b> , 37, 1426-1436	5.6	0
1	Colorimetric Coupled Enzyme Assay for Cystathionine Synthase. <i>Analytical Sciences</i> , <b>2016</b> , 32, 901-6	1.7	