

# Kota V Ramana

## List of Publications by Year in descending order

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158  
papers

6,826  
citations

53660

45  
h-index

82410

72  
g-index

161  
all docs

161  
docs citations

161  
times ranked

6088  
citing authors

#	ARTICLE	IF	CITATIONS
1	Role of Aldose Reductase and Oxidative Damage in Diabetes and the Consequent Potential for Therapeutic Options. <i>Endocrine Reviews</i> , 2005, 26, 380-392.	8.9	441
2	Metabolism of the Lipid Peroxidation Product, 4-Hydroxy-trans-2-nonenal, in Isolated Perfused Rat Heart. <i>Journal of Biological Chemistry</i> , 1998, 273, 10893-10900.	1.6	204
3	Structural and Kinetic Determinants of Aldehyde Reduction by Aldose Reductase. <i>Biochemistry</i> , 1999, 38, 42-54.	1.2	173
4	Activation of Nuclear Factor- $\kappa$ B by Hyperglycemia in Vascular Smooth Muscle Cells Is Regulated by Aldose Reductase. <i>Diabetes</i> , 2004, 53, 2910-2920.	0.3	167
5	Aldose reductase: A novel therapeutic target for inflammatory pathologies. <i>International Journal of Biochemistry and Cell Biology</i> , 2010, 42, 17-20.	1.2	156
6	Regulation of NF- $\kappa$ B-Induced Inflammatory Signaling by Lipid Peroxidation-Derived Aldehydes. <i>Oxidative Medicine and Cellular Longevity</i> , 2013, 2013, 1-11.	1.9	149
7	Aldose reductase inhibition suppresses oxidative stress-induced inflammatory disorders. <i>Chemico-Biological Interactions</i> , 2011, 191, 330-338.	1.7	144
8	Aldose reductase: new insights for an old enzyme. <i>Biomolecular Concepts</i> , 2011, 2, 103-114.	1.0	144
9	Aldose reductase: Congenial and injurious profiles of an enigmatic enzyme. <i>Biochemical Medicine and Metabolic Biology</i> , 1992, 48, 91-121.	0.7	143
10	Aldose Reductase Mediates the Lipopolysaccharide-induced Release of Inflammatory Mediators in RAW264.7 Murine Macrophages. <i>Journal of Biological Chemistry</i> , 2006, 281, 33019-33029.	1.6	136
11	Mitogenic Responses of Vascular Smooth Muscle Cells to Lipid Peroxidation-derived Aldehyde 4-Hydroxy-trans-2-nonenal (HNE). <i>Journal of Biological Chemistry</i> , 2006, 281, 17652-17660.	1.6	132
12	Requirement of Aldose Reductase for the Hyperglycemic Activation of Protein Kinase C and Formation of Diacylglycerol in Vascular Smooth Muscle Cells. <i>Diabetes</i> , 2005, 54, 818-829.	0.3	119
13	Metabolism of lipid peroxidation product, 4-hydroxynonenal (HNE) in rat erythrocytes: role of aldose reductase. <i>Free Radical Biology and Medicine</i> , 2000, 29, 642-651.	1.3	114
14	Aldose Reductase Regulates Growth Factor-Induced Cyclooxygenase-2 Expression and Prostaglandin E2 Production in Human Colon Cancer Cells. <i>Cancer Research</i> , 2006, 66, 9705-9713.	0.4	113
15	Endotoxin-Induced Cardiomyopathy and Systemic Inflammation in Mice Is Prevented by Aldose Reductase Inhibition. <i>Circulation</i> , 2006, 114, 1838-1846.	1.6	97
16	Selective Recognition of Glutathiolated Aldehydes by Aldose Reductase. <i>Biochemistry</i> , 2000, 39, 12172-12180.	1.2	94
17	Aldose Reductase Mediates Mitogenic Signaling in Vascular Smooth Muscle Cells. <i>Journal of Biological Chemistry</i> , 2002, 277, 32063-32070.	1.6	90
18	Aldose reductase mediates cytotoxic signals of hyperglycemia and TNF $\alpha$ in human lens epithelial cells. <i>FASEB Journal</i> , 2003, 17, 315-317.	0.2	89

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19	Kinetic and Structural Characterization of the Glutathione-binding Site of Aldose Reductase. Journal of Biological Chemistry, 2000, 275, 21587-21595.	1.6	82
20	Inhibition of aldose reductase attenuates TNF $\alpha$ -induced expression of adhesion molecules in endothelial cells. FASEB Journal, 2004, 18, 1209-1218.	0.2	81
21	Aldose Reductase Inhibition Prevents Endotoxin-Induced Uveitis in Rats. , 2007, 48, 4634.		79
22	Nitric oxide regulates the polyol pathway of glucose metabolism in vascular smooth muscle cells. FASEB Journal, 2003, 17, 417-425.	0.2	72
23	Carotenoid derived aldehydes-induced oxidative stress causes apoptotic cell death in human retinal pigment epithelial cells. Experimental Eye Research, 2008, 86, 70-80.	1.2	72
24	Focus on Molecules: Nuclear factor- $\kappa$ B. Experimental Eye Research, 2009, 88, 2-3.	1.2	68
25	Lipid Peroxidation Products in Human Health and Disease 2014. Oxidative Medicine and Cellular Longevity, 2014, 2014, 1-3.	1.9	66
26	Mediation of aldose reductase in lipopolysaccharide-induced inflammatory signals in mouse peritoneal macrophages. Cytokine, 2006, 36, 115-122.	1.4	65
27	Detoxification of xenobiotics by glutathione S-transferases in erythrocytes: the transport of the conjugate of glutathione and 1-chloro-2,4-dinitrobenzene. British Journal of Haematology, 1983, 55, 419-425.	1.2	61
28	Aldose reductase regulates hyperglycemia-induced HUVEC death via SIRT1/AMPK-1/mTOR pathway. Journal of Molecular Endocrinology, 2019, 63, 11-25.	1.1	60
29	A synthesis of 4-hydroxy-2-trans-nonenal and 4-(3H) 4-hydroxy-2-trans-nonenal. Lipids, 1997, 32, 779-782.	0.7	59
30	Contribution of Aldose Reductase to Diabetic Hyperproliferation of Vascular Smooth Muscle Cells. Diabetes, 2006, 55, 901-910.	0.3	59
31	Aldose reductase regulates TNF $\alpha$ -induced PGE2 production in human colon cancer cells. Cancer Letters, 2007, 252, 299-306.	3.2	59
32	Cadmium-induced apoptotic death of human retinal pigment epithelial cells is mediated by MAPK pathway. Experimental Eye Research, 2009, 89, 494-502.	1.2	57
33	Lipid Peroxidation Products in Human Health and Disease. Oxidative Medicine and Cellular Longevity, 2013, 2013, 1-3.	1.9	56
34	Inhibition of aldose reductase prevents angiogenesis in vitro and in vivo. Angiogenesis, 2011, 14, 209-221.	3.7	55
35	Aldose reductase inhibitor increases doxorubicin-sensitivity of colon cancer cells and decreases cardiotoxicity. Scientific Reports, 2017, 7, 3182.	1.6	55
36	Glutathione level regulates HNE-induced genotoxicity in human erythroleukemia cells. Toxicology and Applied Pharmacology, 2008, 227, 257-264.	1.3	54

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37	Inhibition of aldose reductase prevents colon cancer metastasis. <i>Carcinogenesis</i> , 2011, 32, 1259-1267.	1.3	53
38	Protective effects of magnesium lithospermate B against diabetic atherosclerosis via Nrf2-ARE-NQO1 transcriptional pathway. <i>Atherosclerosis</i> , 2010, 211, 69-76.	0.4	52
39	A novel dinitrophenylglutathione-stimulated ATPase is present in human erythrocyte membranes. <i>FEBS Letters</i> , 1988, 228, 53-56.	1.3	51
40	Inhibition of Aldose Reductase Prevents Experimental Allergic Airway Inflammation in Mice. <i>PLoS ONE</i> , 2009, 4, e6535.	1.1	51
41	Inhibition of Aldose Reductase Prevents Growth Factor-Induced G1-S Phase Transition through the AKT/Phosphoinositide 3-Kinase/E2F-1 Pathway in Human Colon Cancer Cells. <i>Molecular Cancer Therapeutics</i> , 2010, 9, 813-824.	1.9	50
42	Susceptibility of aldehyde and aldose reductases of human tissues to aldose reductase inhibitors. <i>Current Eye Research</i> , 1982, 2, 407-410.	0.7	49
43	Prevention of Endotoxin-Induced Uveitis in Rats by Benfotiamine, a Lipophilic Analogue of Vitamin B1. , 2009, 50, 2276.		49
44	Protective role of benfotiamine, a fat-soluble vitamin B1 analogue, in lipopolysaccharide-induced cytotoxic signals in murine macrophages. <i>Free Radical Biology and Medicine</i> , 2010, 48, 1423-1434.	1.3	49
45	Anti-inflammatory effects of benfotiamine are mediated through the regulation of the arachidonic acid pathway in macrophages. <i>Free Radical Biology and Medicine</i> , 2012, 52, 182-190.	1.3	49
46	Hyperglycemia-induced activation of human erythrocyte aldose reductase and alterations in kinetic properties. <i>BBA - Proteins and Proteomics</i> , 1986, 870, 302-311.	2.1	48
47	The effect of oxidants on biomembranes and cellular metabolism. <i>Molecular and Cellular Biochemistry</i> , 1989, 91, 149-157.	1.4	48
48	Lipid Peroxidation Products in Human Health and Disease 2016. <i>Oxidative Medicine and Cellular Longevity</i> , 2017, 2017, 1-2.	1.9	48
49	Aldose Reductase Regulates High Glucose-Induced Ectodomain Shedding of Tumor Necrosis Factor (TNF)- $\alpha$ via Protein Kinase C- $\gamma$ and TNF- $\alpha$ Converting Enzyme in Vascular Smooth Muscle Cells. <i>Endocrinology</i> , 2009, 150, 63-74.	1.4	47
50	Modification of Aldose Reductase by S-Nitrosoglutathione. <i>Biochemistry</i> , 1997, 36, 15801-15809.	1.2	46
51	Aldose reductase mediates endotoxin-induced production of nitric oxide and cytotoxicity in murine macrophages. <i>Free Radical Biology and Medicine</i> , 2007, 42, 1290-1302.	1.3	46
52	Involvement of aldose reductase in the metabolism of atherogenic aldehydes. <i>Chemico-Biological Interactions</i> , 2001, 130-132, 563-571.	1.7	45
53	Regulatory roles of glutathione-S-transferases and 4-hydroxynonenal in stress-mediated signaling and toxicity. <i>Free Radical Biology and Medicine</i> , 2017, 111, 235-243.	1.3	45
54	Aldose Reductase-Regulated Tumor Necrosis Factor- $\alpha$ Production Is Essential for High Glucose-Induced Vascular Smooth Muscle Cell Growth. <i>Endocrinology</i> , 2007, 148, 4371-4384.	1.4	44

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55	Aldose reductase deficiency in mice prevents azoxymethane-induced colonic preneoplastic aberrant crypt foci formation. <i>Carcinogenesis</i> , 2009, 30, 799-807.	1.3	44
56	Aldose Reductase Mediates NLRP3 Inflammasome-Initiated Innate Immune Response in Hyperglycemia-Induced Thp1 Monocytes and Male Mice. <i>Endocrinology</i> , 2017, 158, 3661-3675.	1.4	44
57	Kinetic Studies of FR-1, a Growth Factor-Inducible Aldo-Keto Reductase. <i>Biochemistry</i> , 1998, 37, 12909-12917.	1.2	43
58	Inhibition of Aldose Reductase Prevents Lipopolysaccharide-Induced Inflammatory Response in Human Lens Epithelial Cells. , 2006, 47, 5395.		43
59	Aldose Reductase Inhibition Suppresses the Expression of Th2 Cytokines and Airway Inflammation in Ovalbumin-Induced Asthma in Mice. <i>Journal of Immunology</i> , 2009, 183, 4723-4732.	0.4	43
60	Molecular Cloning and Oxidative Modification of Human Lens ALDH1A1: Implication in Impaired Detoxification of Lipid Aldehydes. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2009, 72, 577-584.	1.1	41
61	Aldose reductase regulates TNF- $\alpha$ -induced cell signaling and apoptosis in vascular endothelial cells. <i>FEBS Letters</i> , 2004, 570, 189-194.	1.3	40
62	Prevention of Endotoxin-Induced Uveitis in Rats by Plant Sterol Guggulsterone. , 2010, 51, 5105.		40
63	Measurement and Identification of S-Glutathiolated Proteins. <i>Methods in Enzymology</i> , 2010, 473, 179-197.	0.4	40
64	Aldose reductase inhibitor, fidarestat regulates mitochondrial biogenesis via Nrf2/HO-1/AMPK pathway in colon cancer cells. <i>Cancer Letters</i> , 2017, 411, 57-63.	3.2	40
65	Therapeutic Potential of Natural Pharmacological Agents in the Treatment of Human Diseases. <i>BioMed Research International</i> , 2014, 2014, 1-4.	0.9	39
66	Prevention of Posterior Capsular Opacification through Aldose Reductase Inhibition. , 2009, 50, 752.		38
67	Inhibition of aldose reductase prevents endotoxin-induced inflammation by regulating the arachidonic acid pathway in murine macrophages. <i>Free Radical Biology and Medicine</i> , 2011, 51, 1686-1696.	1.3	37
68	Aldose reductase inhibition suppresses colon cancer cell viability by modulating microRNA-21 mediated programmed cell death 4 (PDCD4) expression. <i>European Journal of Cancer</i> , 2013, 49, 3311-3319.	1.3	36
69	Therapeutic Potential of Natural Antioxidants. <i>Oxidative Medicine and Cellular Longevity</i> , 2018, 2018, 1-3.	1.9	36
70	Structure of a glutathione conjugate bound to the active site of aldose reductase. <i>Proteins: Structure, Function and Bioinformatics</i> , 2006, 64, 101-110.	1.5	34
71	Allopurinol promotes and butylated hydroxy toluene prevents sugar-induced cataractogenesis. <i>Biochemical and Biophysical Research Communications</i> , 1990, 168, 939-943.	1.0	33
72	Anti-inflammatory effect of aldose reductase inhibition in murine polymicrobial sepsis. <i>Cytokine</i> , 2009, 48, 170-176.	1.4	33

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73	Aldose reductase inhibition enhances TRAIL-induced human colon cancer cell apoptosis through AKT/FOXO3a-dependent upregulation of death receptors. <i>Free Radical Biology and Medicine</i> , 2013, 63, 280-290.	1.3	33
74	Aldose Reductase Inhibition Prevents Allergic Airway Remodeling through PI3K/AKT/GSK3 $\beta$ Pathway in Mice. <i>PLoS ONE</i> , 2013, 8, e57442.	1.1	33
75	A potential therapeutic role for aldose reductase inhibitors in the treatment of endotoxin-related inflammatory diseases. <i>Expert Opinion on Investigational Drugs</i> , 2012, 21, 329-339.	1.9	32
76	Aldose Reductase Inhibition Prevents Colon Cancer Growth by Restoring Phosphatase and Tensin Homolog Through Modulation of miR-21 and FOXO3a. <i>Antioxidants and Redox Signaling</i> , 2013, 18, 1249-1262.	2.5	32
77	Aldose reductase inhibitor, fidarestat prevents doxorubicin-induced endothelial cell death and dysfunction. <i>Biochemical Pharmacology</i> , 2018, 150, 181-190.	2.0	32
78	Purification and characterization of glutathione S-transferases in human retina. <i>Current Eye Research</i> , 1984, 3, 1273-1280.	0.7	31
79	Human placental aldose reductase: role of Cys-298 in substrate and inhibitor binding. <i>BBA - Proteins and Proteomics</i> , 1994, 1205, 207-214.	2.1	31
80	Aldose Reductase Inhibition Prevents Hypoxia-induced Increase in Hypoxia-inducible Factor-1 $\alpha$ (HIF-1 $\alpha$ ) and Vascular Endothelial Growth Factor (VEGF) by Regulating 26 S Proteasome-mediated Protein Degradation in Human Colon Cancer Cells. <i>Journal of Biological Chemistry</i> , 2011, 286, 24089-24100.	1.6	31
81	Metabolism of Lipid Derived Aldehyde, 4-Hydroxynonenal in Human Lens Epithelial Cells and Rat Lens. , 2003, 44, 2675.		30
82	Aldose Reductase Regulates Vascular Smooth Muscle Cell Proliferation by Modulating G1/S Phase Transition of Cell Cycle. <i>Endocrinology</i> , 2010, 151, 2140-2150.	1.4	30
83	Aldose reductase inhibition suppresses airway inflammation. <i>Chemico-Biological Interactions</i> , 2011, 191, 339-345.	1.7	30
84	Prevention of VEGF-induced growth and tube formation in human retinal endothelial cells by aldose reductase inhibition. <i>Journal of Diabetes and Its Complications</i> , 2012, 26, 369-377.	1.2	30
85	Didymin prevents hyperglycemia-induced human umbilical endothelial cells dysfunction and death. <i>Biochemical Pharmacology</i> , 2018, 152, 1-10.	2.0	30
86	Contribution of Osmotic Changes to Disintegrative Globulization of Single Cortical Fibers Isolated from Rat Lens. <i>Experimental Eye Research</i> , 1997, 65, 267-275.	1.2	29
87	Aldose Reductase Inhibition Prevents Metaplasia of Airway Epithelial Cells. <i>PLoS ONE</i> , 2010, 5, e14440.	1.1	29
88	Rlip depletion prevents spontaneous neoplasia in TP53 null mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 3918-3923.	3.3	29
89	Lipid Peroxidation Products in Human Health and Disease 2019. <i>Oxidative Medicine and Cellular Longevity</i> , 2019, 2019, 1-2.	1.9	29
90	<sc>L-Arginine prevents metabolic effects of high glucose in diabetic mice. <i>FEBS Letters</i> , 2008, 582, 2609-2614.	1.3	27

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91	Aldose Reductase Deficiency Protects from Autoimmune- and Endotoxin-Induced Uveitis in Mice. , 2011, 52, 8076.		27
92	4-Hydroxy-Trans-2-Nonenal in the Regulation of Anti-Oxidative and Pro-Inflammatory Signaling Pathways. Oxidative Medicine and Cellular Longevity, 2019, 2019, 1-17.	1.9	27
93	Aldose reductase regulates acrolein-induced cytotoxicity in human small airway epithelial cells. Free Radical Biology and Medicine, 2013, 65, 15-25.	1.3	26
94	Functional cysteinyl residues in human placental aldose reductase. Archives of Biochemistry and Biophysics, 1989, 275, 112-121.	1.4	25
95	Regulation of aldose reductase and the polyol pathway activity by nitric oxide. Chemico-Biological Interactions, 2003, 143-144, 333-340.	1.7	25
96	Calcium-mediated disintegrative globulization of isolated ocular lens fibers mimics cataractogenesis. Experimental Eye Research, 1995, 61, 303-310.	1.2	24
97	Aldose reductase prevents aldehyde toxicity in cultured human lens epithelial cells. Experimental Eye Research, 2006, 83, 408-416.	1.2	24
98	Role of glutathione in the prevention of cataractogenesis in rat lenses. Current Eye Research, 1982, 2, 271-275.	0.7	23
99	Genotoxic Effects of Carotenoid Breakdown Products in Human Retinal Pigment Epithelial Cells. Current Eye Research, 2009, 34, 737-747.	0.7	23
100	Structural and kinetic modifications of aldose reductase by S-nitrosothiols. Biochemical Journal, 2001, 358, 111.	1.7	22
101	Active site modification of aldose reductase by nitric oxide donors. BBA - Proteins and Proteomics, 1997, 1341, 217-222.	2.1	21
102	Aldose reductase deficiency protects sugar-induced lens opacification in rats. Chemico-Biological Interactions, 2011, 191, 346-350.	1.7	21
103	Identification of the reactive cysteine residue in human placenta aldose reductase. BBA - Proteins and Proteomics, 1993, 1164, 268-272.	2.1	20
104	Carboxymethylation-induced activation of bovine lens aldose reductase. BBA - Proteins and Proteomics, 1992, 1120, 329-336.	2.1	19
105	Aldose Reductase Inhibition: Emerging Drug Target for the Treatment of Cardiovascular Complications. Recent Patents on Cardiovascular Drug Discovery, 2010, 5, 25-32.	1.5	19
106	Endotoxin-Induced Uveitis in Rodents. Methods in Molecular Biology, 2019, 1960, 161-168.	0.4	19
107	Characterization of the glutathione binding site of aldose reductase. Chemico-Biological Interactions, 2001, 130-132, 537-548.	1.7	18
108	Role of aldose reductase in TNF- $\alpha$ -induced apoptosis of vascular endothelial cells. Chemico-Biological Interactions, 2003, 143-144, 605-612.	1.7	18

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109	Preventive Effects of Ethyl Pyruvate on Endotoxin-Induced Uveitis in Rats. , 2011, 52, 5144.		18
110	Aldose reductase mediates the mitogenic signals of cytokines. <i>Chemico-Biological Interactions</i> , 2003, 143-144, 587-596.	1.7	17
111	Aldose reductase inhibition prevents lipopolysaccharide-induced glucose uptake and glucose transporter 3 expression in RAW264.7 macrophages. <i>International Journal of Biochemistry and Cell Biology</i> , 2010, 42, 1039-1045.	1.2	16
112	Aldose Reductase Inhibitor Protects against Hyperglycemic Stress by Activating Nrf2-Dependent Antioxidant Proteins. <i>Journal of Diabetes Research</i> , 2017, 2017, 1-9.	1.0	16
113	Binding of benzo(a)pyrene to rat lung glutathione S -transferases in vivo. <i>FEBS Letters</i> , 1985, 179, 111-114.	1.3	15
114	Glutathione S-transferases of bovine iris and ciliary body: characterization of isoenzymes. <i>Current Eye Research</i> , 1989, 8, 175-184.	0.7	15
115	RELEVANCE OF ALDO-KETO REDUCTASE FAMILY MEMBERS TO THE PATHOBIOLOGY OF DIABETIC NEPHROPATHY AND RENAL DEVELOPMENT. <i>Renal Failure</i> , 2001, 23, 311-320.	0.8	15
116	Didymin by suppressing NF- $\kappa$ B activation prevents VEGF-induced angiogenesis in vitro and in vivo. <i>Vascular Pharmacology</i> , 2019, 115, 18-25.	1.0	14
117	A rapid HPLC method for the quantification of GSH and GSSG in ocular lens. <i>Current Eye Research</i> , 1996, 15, 726-732.	0.7	13
118	Amelioration of Experimental Autoimmune Uveoretinitis by Aldose Reductase Inhibition in Lewis Rats. , 2011, 52, 8033.		13
119	Aspalatone Prevents VEGF-Induced Lipid Peroxidation, Migration, Tube Formation, and Dysfunction of Human Aortic Endothelial Cells. <i>Oxidative Medicine and Cellular Longevity</i> , 2017, 2017, 1-11.	1.9	13
120	Altered $\alpha$ subunits in Tay-Sachs disease. <i>Nature</i> , 1978, 273, 245-246.	13.7	12
121	Lithium Uptake at Physiological Ion Concentrations in a Human Clonal Neuroblastoma Cell Line. <i>Journal of Neurochemistry</i> , 1980, 34, 1520-1521.	2.1	12
122	Aldose reductase inhibition suppresses azoxymethane-induced colonic premalignant lesions in C57BL/KsJ-db/db mice. <i>Cancer Letters</i> , 2014, 355, 141-147.	3.2	12
123	Development of Aldose Reductase Inhibitors for the Treatment of Inflammatory Disorders and Cancer: Current Drug Design Strategies and Future Directions. <i>Current Medicinal Chemistry</i> , 2021, 28, 3683-3712.	1.2	12
124	Delivery of liposome-sequestered hydrophobic proteins to lysosomes of normal and batten disease cells. , 1997, 47, 341-347.		11
125	Regulation of lens aldose reductase activity by nitric oxide. <i>Experimental Eye Research</i> , 2005, 81, 664-672.	1.2	11
126	Applications of Antioxidants in Ameliorating Drugs and Xenobiotics Toxicity: Mechanistic Approach. <i>Oxidative Medicine and Cellular Longevity</i> , 2017, 2017, 1-2.	1.9	11

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127	Vialinin A, an Edible Mushroom-Derived p-Terphenyl Antioxidant, Prevents VEGF-Induced Neovascularization In Vitro and In Vivo. <i>Oxidative Medicine and Cellular Longevity</i> , 2018, 2018, 1-10.	1.9	11
128	Studies in neuronal ceroid-lipofuscinosis: Heterogeneous nature of neuronal autofluorescent lipopigments. <i>Journal of Neuroscience Research</i> , 1981, 6, 771-783.	1.3	10
129	Aldose reductase deficiency in mice protects from ragweed pollen extract (RWE)-induced allergic asthma. <i>Respiratory Research</i> , 2011, 12, 145.	1.4	10
130	Focus on Molecules: Lutein. <i>Experimental Eye Research</i> , 2012, 102, 107-108.	1.2	10
131	Distribution of lysosomal hydrolases in human and bovine ocular tissues. <i>Current Eye Research</i> , 1981, 1, 497-500.	0.7	9
132	Studies in neuronal ceroid lipofuscinosis: Enzymes of liver and brain tissues involved in the defense against oxidative damage. <i>Journal of Neuroscience Research</i> , 1982, 7, 305-311.	1.3	9
133	Lens glutathione depletion of 1-chloro-2,4-dinitrobenzene and oxidative stress. <i>Current Eye Research</i> , 1984, 3, 117-119.	0.7	9
134	Oxidative stress-induced up-regulation of the chloride channel and Na <sup>+</sup> /Ca <sup>2+</sup> exchanger during cataractogenesis in diabetic rats. <i>Journal of Diabetes and Its Complications</i> , 2004, 18, 177-182.	1.2	9
135	Inhibition of aldose reductase attenuates endotoxin signals in human non-pigmented ciliary epithelial cells. <i>Experimental Eye Research</i> , 2010, 90, 555-563.	1.2	9
136	Guanosine 5'-( $\beta$ -thio) triphosphate (GTP $\beta$ S) inhibits phosphorylation of insulin receptor and a novel GTP-binding protein, Gir, from human placenta. <i>FEBS Letters</i> , 1994, 340, 124-128.	1.3	8
137	Metabolic regulation of aldose reductase activity by nitric oxide donors. <i>Chemico-Biological Interactions</i> , 2001, 130-132, 573-581.	1.7	8
138	Tumor necrosis factor-alpha converting enzyme: Implications for ocular inflammatory diseases. <i>International Journal of Biochemistry and Cell Biology</i> , 2010, 42, 1076-1079.	1.2	8
139	Post-translational protein modification by carotenoid cleavage products. <i>BioFactors</i> , 2011, 37, 104-116.	2.6	8
140	2-Hydroxyflavanone prevents LPS-induced inflammatory response and cytotoxicity in murine macrophages. <i>Toxicology in Vitro</i> , 2020, 69, 104966.	1.1	8
141	Regulation of vascular smooth muscle cell growth by aldose reductase. <i>Chemico-Biological Interactions</i> , 2001, 130-132, 627-636.	1.7	7
142	Aldose reductase inhibition for the treatment of asthma. <i>Expert Review of Clinical Immunology</i> , 2010, 6, 1-4.	1.3	7
143	Aldose reductase regulates doxorubicin-induced immune and inflammatory responses by activating mitochondrial biogenesis. <i>European Journal of Pharmacology</i> , 2021, 895, 173884.	1.7	7
144	Aldose Reductase Inhibitor, Fidarestat Prevents High-fat Diet-induced Intestinal Polyps in ApcMin/+ Mice. <i>Current Cancer Drug Targets</i> , 2018, 18, 905-911.	0.8	6

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145	Microdetermination of aldose and aldehyde reductases from human tissues. <i>Current Eye Research</i> , 1987, 6, 1001-1006.	0.7	5
146	Purification and characterization of the hepatic CYP2C and 3A isozymes from phenobarbitone pretreated rhesus monkey. , 1999, 198, 79-88.		5
147	Fortilin interacts with TGF- $\beta$ 1 and prevents TGF- $\beta$ 2 receptor activation. <i>Communications Biology</i> , 2022, 5, 157.	2.0	5
148	Aldose Reductase Detoxifies Lipid Aldehydes and Their Glutathione Conjugates. <i>ACS Symposium Series</i> , 2003, , 37-48.	0.5	4
149	Immune, Inflammatory, and Oxidative Responses in Cardiovascular Complications. <i>Oxidative Medicine and Cellular Longevity</i> , 2016, 2016, 1-2.	1.9	4
150	Cardiac Metabolism of Enals. <i>Advances in Experimental Medicine and Biology</i> , 1999, 463, 223-229.	0.8	4
151	ATP synthase subunit c storage in the polymorphonucleocytes of late infantile and juvenile batten patients. <i>International Journal of Developmental Neuroscience</i> , 1995, 13, 455-462.	0.7	3
152	Regulation of Aldose Reductase by Aldehydes and Nitric Oxide. <i>Advances in Experimental Medicine and Biology</i> , 1999, 463, 501-507.	0.8	2
153	Therapeutic potential of vitamin B <sub>1</sub> derivative benfotiamine from diabetes to COVID-19. <i>Future Medicinal Chemistry</i> , 2022, 14, 809-826.	1.1	2
154	Aldose Reductase and the Stress Response. <i>ACS Symposium Series</i> , 2003, , 199-211.	0.5	1
155	Contribution of Aldose Reductase-Mediated Oxidative Stress Signaling in Inflammatory Lung Diseases. , 2019, , 225-246.		1
156	Aldose Reductase Regulates Reactive Oxygen Species Mediated-Inflammatory Signals. <i>ACS Symposium Series</i> , 2003, , 213-223.	0.5	0
157	Stop Crying over Spilled Milk, Thanks to Recent Reports Which Suggest Novel Therapeutic Options for Existing Aldose reductase Inhibitors. <i>Journal of Biomolecular Research &amp; Therapeutics</i> , 2013, 01, .	0.2	0
158	L-Arginine Alleviates Hyperglycemia-Induced Vascular Inflammation In Diabetic Mice. <i>FASEB Journal</i> , 2006, 20, A979.	0.2	0