G B Reddy

List of Publications by Year in descending order

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170 papers	6,033 citations	61857 43 h-index	110170 64 g-index
175 all docs	175 docs citations	175 times ranked	7180 citing authors

#	Article	IF	Citations
1	Curcumin and Turmeric Delay Streptozotocin-Induced Diabetic Cataract in Rats. , 2005, 46, 2092.		242
2	Loss of functional ELOVL4 depletes very long-chain fatty acids (â‰¥C28) and the unique Ï‰-O-acylceramides in skin leading to neonatal death. Human Molecular Genetics, 2007, 16, 471-482.	1.4	234
3	Temperature-dependent Chaperone Activity and Structural Properties of Human Î±A- and Î±B-crystallins. Journal of Biological Chemistry, 2000, 275, 4565-4570.	1.6	157
4	Anticancer effect of celastrol on human triple negative breast cancer: Possible involvement of oxidative stress, mitochondrial dysfunction, apoptosis and PI3K/Akt pathways. Experimental and Molecular Pathology, 2015, 98, 313-327.	0.9	131
5	Chaperone-like activity and hydrophobicity of Î±-crystallin. IUBMB Life, 2006, 58, 632-641.	1.5	122
6	Advanced glycation end products mediated cellular and molecular events in the pathology of diabetic nephropathy. Biomolecular Concepts, 2016, 7, 293-309.	1.0	118
7	Effect of curcumin on hyperglycemia-induced vascular endothelial growth factor expression in streptozotocin-induced diabetic rat retina. Biochemical and Biophysical Research Communications, 2007, 361, 528-532.	1.0	111
8	Effect of glycation on Î±-crystallin structure and chaperone-like function. Biochemical Journal, 2007, 408, 251-258.	1.7	106
9	Effect of dicarbonyl-induced browning on alpha-crystallin chaperone-like activity: physiological significance and caveats of in vitro aggregation assays. Biochemical Journal, 2004, 379, 273-282.	1.7	105
10	Elevated expression of Î±A- and Î±B-crystallins in streptozotocin-induced diabetic rat. Archives of Biochemistry and Biophysics, 2005, 444, 77-83.	1.4	94
11	Inhibition of aldose reductase by tannoid principles of Emblica officinalis: implications for the prevention of sugar cataract. Molecular Vision, 2004, 10, 148-54.	1.1	92
12	Efficacy of Biodegradable Curcumin Nanoparticles in Delaying Cataract in Diabetic Rat Model. PLoS ONE, 2013, 8, e78217.	1.1	91
13	The Isolation and Characterization of Î²-Glucogallin as a Novel Aldose Reductase Inhibitor from Emblica officinalis. PLoS ONE, 2012, 7, e31399.	1.1	88
14	Extracellular small heat shock proteins: exosomal biogenesis and function. Cell Stress and Chaperones, 2018, 23, 441-454.	1.2	88
15	Antioxidant Defense System and Lipid Peroxidation in Patients with Skeletal Fluorosis and in Fluoride-Intoxicated Rabbits. Toxicological Sciences, 2003, 72, 363-368.	1.4	85
16	Prevention of non-enzymic glycation of proteins by dietary agents: prospects for alleviating diabetic complications. British Journal of Nutrition, 2009, 101, 1714-1721.	1.2	85
17	Inhibition of aldose reductase by dietary antioxidant curcumin: Mechanism of inhibition, specificity and significance. FEBS Letters, 2009, 583, 3637-3642.	1.3	82
18	Rescue of Photoreceptor Degeneration by Curcumin in Transgenic Rats with P23H Rhodopsin Mutation. PLoS ONE, 2011, 6, e21193.	1.1	78

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19	Crystal Structure of the Jacalinâ€“T-antigen Complex and a Comparative Study of Lectinâ€“T-antigen Complexes. Journal of Molecular Biology, 2002, 321, 637-645.	2.0	77
20	Status of B-Vitamins and Homocysteine in Diabetic Retinopathy: Association with Vitamin-B12 Deficiency and Hyperhomocysteinemia. PLoS ONE, 2011, 6, e26747.	1.1	76
21	CTRP5 Is a Membrane-Associated and Secretory Protein in the RPE and Ciliary Body and the S163R Mutation of CTRP5 Impairs Its Secretion. , 2006, 47, 5505.		74
22	Effect of curcumin on galactose-induced cataractogenesis in rats. Molecular Vision, 2003, 9, 223-30.	1.1	74
23	Legume lectin family, the â€˜natural mutants of the quaternary stateâ€™, provide insights into the relationship between protein stability and oligomerization. Biochimica Et Biophysica Acta - General Subjects, 2001, 1527, 102-111.	1.1	73
24	Ellagic acid, a new antiglycating agent: its inhibition of NÏµ-(carboxymethyl)lysine. Biochemical Journal, 2012, 442, 221-230.	1.7	73
25	Antiglycating potential of Zingiber officinalis and delay of diabetic cataract in rats. Molecular Vision, 2010, 16, 1525-37.	1.1	71
26	Emblica officinalis and its enriched tannoids delay streptozotocin-induced diabetic cataract in rats. Molecular Vision, 2007, 13, 1291-7.	1.1	69
27	Spatial and Temporal Expression of MFRP and Its Interaction with CTRP5. , 2006, 47, 5514.		68
28	Dietary sources of aldose reductase inhibitors: prospects for alleviating diabetic complications. Asia Pacific Journal of Clinical Nutrition, 2008, 17, 558-65.	0.3	68
29	Synthesis and biological evaluation of new piplartine analogues as potent aldose reductase inhibitors (ARIs). European Journal of Medicinal Chemistry, 2012, 57, 344-361.	2.6	63
30	Ellagic Acid Inhibits VEGF/VEGFR2, PI3K/Akt and MAPK Signaling Cascades in the Hamster Cheek Pouch Carcinogenesis Model. Anti-Cancer Agents in Medicinal Chemistry, 2014, 14, 1249-1260.	0.9	60
31	Delay of diabetic cataract in rats by the antiglycating potential of cumin through modulation of Î±-crystallin chaperone activityâ€†. Journal of Nutritional Biochemistry, 2009, 20, 553-562.	1.9	59
32	A novel mutation (F71L) in Î±A-Crystallin with defective chaperone-like function associated with age-related cataract. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2009, 1792, 974-981.	1.8	59
33	Insights into Hydrophobicity and the Chaperone-like Function of Î±A- and Î±B-crystallins. Journal of Biological Chemistry, 2005, 280, 21726-21730.	1.6	58
34	Binding and stabilization of transthyretin by curcumin. Archives of Biochemistry and Biophysics, 2009, 485, 115-119.	1.4	55
35	Enhanced degradation and decreased stability of eye lens Î±-crystallin upon methylglyoxal modification. Experimental Eye Research, 2004, 79, 577-583.	1.2	54
36	Aldose reductase expression as a risk factor for cataract. Chemico-Biological Interactions, 2015, 234, 247-253.	1.7	54

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37	Modulation of alpha-crystallin chaperone activity in diabetic rat lens by curcumin. Molecular Vision, 2005, 11, 561-8.	1.1	54
38	Generating minicorneal organoids from human induced pluripotent stem cells. Development (Cambridge), 2017, 144, 2338-2351.	1.2	53
39	Exome Analysis Identified a Novel Mutation in the RBP4 Gene in a Consanguineous Pedigree with Retinal Dystrophy and Developmental Abnormalities. PLoS ONE, 2012, 7, e50205.	1.1	53
40	Effect of turmeric and curcumin on oxidative stress and antioxidant enzymes in streptozotocin-induced diabetic rat. Medical Science Monitor, 2007, 13, BR286-92.	0.5	51
41	Response of Small Heat Shock Proteins in Diabetic Rat Retina. , 2013, 54, 7674.		50
42	A non-invasive nanoparticle mediated delivery of triamcinolone acetonide ameliorates diabetic retinopathy in rats. Nanoscale, 2018, 10, 16485-16498.	2.8	49
43	Focus on Molecules: Aldose reductase. Experimental Eye Research, 2007, 85, 739-740.	1.2	48
44	Molten Globule-like State of Peanut Lectin Monomer Retains Its Carbohydrate Specificity. Journal of Biological Chemistry, 1999, 274, 4500-4503.	1.6	47
45	Erythrocyte aldose reductase activity and sorbitol levels in diabetic retinopathy. Molecular Vision, 2008, 14, 593-601.	1.1	46
46	Conformational Stability of Legume Lectins Reflect Their Different Modes of Quaternary Association:Â Solvent Denaturation Studies on Concanavalin A and Winged Bean Acidic Agglutinin. Biochemistry, 2002, 41, 9256-9263.	1.2	44
47	Inhibition of advanced glycation end-product formation on eye lens protein by rutin. British Journal of Nutrition, 2012, 107, 941-949.	1.2	44
48	Effect of cinnamon and its procyanidin-B2 enriched fraction on diabetic nephropathy in rats. Chemico-Biological Interactions, 2014, 222, 68-76.	1.7	44
49	Ellagic acid inhibits PDGF-BB-induced vascular smooth muscle cell proliferation and prevents atheroma formation in streptozotocin-induced diabetic rats. Journal of Nutritional Biochemistry, 2013, 24, 1830-1839.	1.9	43
50	Thermal Stability and Mode of Oligomerization of the Tetrameric Peanut Agglutinin:Â A Differential Scanning Calorimetry Studyâ€. Biochemistry, 1999, 38, 4464-4470.	1.2	42
51	Plasma vitamin D status in patients with type 2 diabetes with and without retinopathy. Nutrition, 2015, 31, 959-963.	1.1	42
52	Modulation of Î±â€crystallin chaperone activity: A target to prevent or delay cataract?. IUBMB Life, 2009, 61, 485-495.	1.5	40
53	Inhibition of Transthyretin Amyloid Fibril Formation by 2,4-Dinitrophenol through Tetramer Stabilization. Archives of Biochemistry and Biophysics, 2002, 400, 43-47.	1.4	39
54	Thermodynamic Characterization of the Conformational Stability of the Homodimeric Protein, Pea Lectin. Biochemistry, 1998, 37, 16765-16772.	1.2	38

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55	Importance of eye lens Î±â€crystallin heteropolymer with 3:1 Î±A to Î±B ratio: Stability, aggregation, and modifications. IUBMB Life, 2010, 62, 693-702.	1.5	38
56	In Vivo Inhibition of Proteasome Activity and Tumour Growth by Murraya koenigii Leaf Extract in Breast Cancer Xenografts and by Its Active Flavonoids in Breast Cancer Cells. Anti-Cancer Agents in Medicinal Chemistry, 2016, 16, 1605-1614.	0.9	38
57	Protection against UVB inactivation (in vitro) of rat lens enzymes by natural antioxidants. , 1999, 194, 41-45.		37
58	Nutrigenomics: Opportunities & challenges for public health nutrition. Indian Journal of Medical Research, 2018, 148, 632.	0.4	37
59	Significance of Î±-crystallin heteropolymer with a 3:1 Î±A/Î±B ratio: chaperone-like activity, structure and hydrophobicity. Biochemical Journal, 2008, 414, 453-460.	1.7	36
60	Attenuation of diabetic retinopathy in rats by ellagic acid through inhibition of AGE formation. Journal of Food Science and Technology, 2017, 54, 2411-2421.	1.4	36
61	Aldose reductase-mediated induction of epithelium-to-mesenchymal transition (EMT) in lens. Chemico-Biological Interactions, 2011, 191, 351-356.	1.7	35
62	Contrasting effects of type 2 and type 1 diabetes on plasma RBP4 levels: The significance of transthyretin. IUBMB Life, 2012, 64, 975-982.	1.5	35
63	Ubiquitin-proteasome system and ER stress in the retina of diabetic rats. Archives of Biochemistry and Biophysics, 2017, 627, 10-20.	1.4	35
64	Inhibition of Aldose Reductase byGentiana luteaExtracts. Experimental Diabetes Research, 2012, 2012, 1-8.	3.8	34
65	Bioflavonoid ellagic acid inhibits aldose reductase: Implications for prevention of diabetic complications. Journal of Functional Foods, 2014, 6, 374-383.	1.6	34
66	Status of Vitamin B12 and Folate among the Urban Adult Population in South India. Annals of Nutrition and Metabolism, 2016, 68, 94-102.	1.0	34
67	Overexpression and enhanced specific activity of aldoketo reductases (AKR1B1 & AKR1B10) in human breast cancers. Breast, 2017, 31, 137-143.	0.9	34
68	Implication of altered ubiquitin-proteasome system and ER stress in the muscle atrophy of diabetic rats. Archives of Biochemistry and Biophysics, 2018, 639, 16-25.	1.4	34
69	Activation of sorbitol pathway in metabolic syndrome and increased susceptibility to cataract in Wistar-Obese rats. Molecular Vision, 2012, 18, 495-503.	1.1	33
70	Effect of Diabecon on sugar-induced lens opacity in organ culture: mechanism of action. Journal of Ethnopharmacology, 2005, 97, 397-403.	2.0	32
71	Ellagic acid inhibits non-enzymatic glycation and prevents proteinuria in diabetic rats. Food and Function, 2016, 7, 1574-1583.	2.1	32
72	A Novel Rat Model with Obesity-Associated Retinal Degeneration. , 2009, 50, 3456.		31

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73	Altered ubiquitin-proteasome system leads to neuronal cell death in a spontaneous obese rat model. Biochimica Et Biophysica Acta - General Subjects, 2014, 1840, 2924-2934.	1.1	31
74	4-PBA prevents diabetic muscle atrophy in rats by modulating ER stress response and ubiquitin-proteasome system. Chemico-Biological Interactions, 2019, 306, 70-77.	1.7	31
75	Gentiana lutea exerts anti-atherosclerotic effects by preventing endothelial inflammation and smooth muscle cell migration. Nutrition, Metabolism and Cardiovascular Diseases, 2016, 26, 293-301.	1.1	30
76	Gedunin abrogates aldose reductase, PI3K/Akt/mToR, and NF-Î¹B signaling pathways to inhibit angiogenesis in a hamster model of oral carcinogenesis. Tumor Biology, 2016, 37, 2083-2093.	0.8	30
77	Î±B-crystallin-assisted reactivation of glucose-6-phosphate dehydrogenase upon refolding. Biochemical Journal, 2005, 391, 335-341.	1.7	29
78	Fibrocytes Regulate Wilms Tumor 1â€“Positive Cell Accumulation in Severe Fibrotic Lung Disease. Journal of Immunology, 2015, 195, 3978-3991.	0.4	29
79	Procyanidinâ€B2 enriched fraction of cinnamon acts as a proteasome inhibitor and antiâ€proliferative agent in human prostate cancer cells. IUBMB Life, 2018, 70, 445-457.	1.5	29
80	Structural and kinetic properties of Bacillus subtilis S-adenosylmethionine synthetase expressed in Escherichia coli. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2008, 1784, 1949-1958.	1.1	28
81	Carboxymethyl lysine induces EMT in podocytes through transcription factor ZEB2: Implications for podocyte depletion and proteinuria in diabetes mellitus. Archives of Biochemistry and Biophysics, 2016, 590, 10-19.	1.4	28
82	Î±A- and Î±B-Crystallins Protect Glucose-6-Phosphate Dehydrogenase against UVB Irradiation-Induced Inactivation. Biochemical and Biophysical Research Communications, 2001, 282, 712-716.	1.0	27
83	Inhibition of protein glycation by procyanidin-B2 enriched fraction of cinnamon: Delay of diabetic cataract in rats. IUBMB Life, 2013, 65, 941-950.	1.5	27
84	Evaluation of Neonatal Streptozotocin Induced Diabetic Rat Model for the Development of Cataract. Oxidative Medicine and Cellular Longevity, 2014, 2014, 1-10.	1.9	27
85	Growth Hormone Induces Transforming Growth Factorâ€Betaâ€Induced Protein in Podocytes: Implications for Podocyte Depletion and Proteinuria. Journal of Cellular Biochemistry, 2015, 116, 1947-1956.	1.2	27
86	Emerging Role for Î±B-Crystallin as a Therapeutic Agent: Pros and Cons. Current Molecular Medicine, 2015, 15, 47-61.	0.6	26
87	Perspective: When the cure might become the malady: the layering of multiple interventions with mandatory micronutrient fortification of foods in India. American Journal of Clinical Nutrition, 2021, 114, 1261-1266.	2.2	26
88	Role of crystallins in diabetic complications. Biochimica Et Biophysica Acta - General Subjects, 2016, 1860, 269-277.	1.1	25
89	Synthesis and biological evaluation of some new pyrazoline substituted benzenesulfonylurea/thiourea derivatives as anti-hyperglycaemic agents and aldose reductase inhibitors. European Journal of Medicinal Chemistry, 2014, 80, 209-217.	2.6	24
90	Characterization of iron-binding phosphopeptide released by gastrointestinal digestion of egg white. Food Research International, 2015, 67, 308-314.	2.9	24

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91	Metabolic syndrome and associated chronic kidney diseases: Nutritional interventions. Reviews in Endocrine and Metabolic Disorders, 2013, 14, 273-286.	2.6	23
92	Suppression of DTT-induced aggregation of abrin by Î±A- and Î±B-crystallins: a model aggregation assay for Î±-crystallin chaperone activity in vitro1. FEBS Letters, 2002, 522, 59-64.	1.3	22
93	Circulating levels of Hsp27 in microvascular complications of diabetes: Prospects as a biomarker of diabetic nephropathy. Journal of Diabetes and Its Complications, 2018, 32, 221-225.	1.2	21
94	Expression and induction of small heat shock proteins in rat heart under chronic hyperglycemic conditions. Archives of Biochemistry and Biophysics, 2014, 558, 1-9.	1.4	20
95	Prevalence of vitamin deficiencies in an apparently healthy urban adult population: Assessed by subclinical status and dietary intakes. Nutrition, 2019, 63-64, 106-113.	1.1	20
96	Ubiquitinâ€proteasome system and ER stress in the brain of diabetic rats. Journal of Cellular Biochemistry, 2019, 120, 5962-5973.	1.2	20
97	Status of oxidative stress markers, advanced glycation index, and polyol pathway in age-related cataract subjects with and without diabetes. Experimental Eye Research, 2020, 200, 108230.	1.2	20
98	Prevalence of low serum zinc concentrations in Indian children and adolescents: findings from the Comprehensive National Nutrition Survey 2016â€“18. American Journal of Clinical Nutrition, 2021, 114, 638-648.	2.2	20
99	SGLT inhibitors as antidiabetic agents: a comprehensive review. RSC Advances, 2020, 10, 1733-1756.	1.7	20
100	Isothermal Titration Calorimetric Studies on the Binding of Deoxytrimannoside Derivatives with Artocarpin: Implications for a Deep-Seated Combining Site in Lectins. Biochemistry, 2000, 39, 10755-10760.	1.2	19
101	Hierarchy and the mechanism of fibril formation in ADan peptides. Journal of Neurochemistry, 2006, 99, 537-548.	2.1	19
102	Effect of chronic hyperglycemia on crystallin levels in rat lens. Biochemical and Biophysical Research Communications, 2014, 446, 602-607.	1.0	19
103	Activation of Notch1 signaling in podocytes by glucose-derived AGEs contributes to proteinuria. BMJ Open Diabetes Research and Care, 2020, 8, e001203.	1.2	19
104	Vitamin A deficiency among children younger than 5 y in India: an analysis of national data sets to reflect on the need for vitamin A supplementation. American Journal of Clinical Nutrition, 2021, 113, 939-947.	2.2	19
105	Effect of long-term dietary manipulation on the aggregation of rat lens crystallins: role of alpha-crystallin chaperone function. Molecular Vision, 2002, 8, 298-305.	1.1	19
106	Dysregulation of Mesenchymal Cell Survival Pathways in Severe Fibrotic Lung Disease: The Effect of Nintedanib Therapy. Frontiers in Pharmacology, 2019, 10, 532.	1.6	18
107	Amelioration of neuronal cell death in a spontaneous obese rat model by dietary restriction through modulation of ubiquitin proteasome system. Journal of Nutritional Biochemistry, 2016, 33, 73-81.	1.9	17
108	A missense mutation inASRGL1is involved in causing autosomal recessive retinal degeneration. Human Molecular Genetics, 2016, 25, ddw113.	1.4	16

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109	The combination of molecular dynamics with crystallography for elucidating proteinâ€“ligand interactions: a case study involving peanut lectin complexes with T-antigen and lactose. Acta Crystallographica Section D: Biological Crystallography, 2001, 57, 1584-1594.	2.5	15
110	Total activity of glutathione-S-transferase (GST) and polymorphisms of GSTM1 and GSTT1 genes conferring risk for the development of age related cataracts. Experimental Eye Research, 2012, 98, 67-74.	1.2	15
111	Exploration of Molecular Factors Impairing Superoxide Dismutase Isoforms Activity in Human Senile Cataractous Lenses. , 2013, 54, 6224.		15
112	Vitamin A supplementation ameliorates obesity-associated retinal degeneration in WNIN/Ob rats. Nutrition, 2013, 29, 298-304.	1.1	15
113	Micronutrient intakes and status assessed by probability approach among the urban adult population of Hyderabad city in South India. European Journal of Nutrition, 2019, 58, 3147-3159.	1.8	15
114	Relative telomere length and mitochondrial DNA copy number variation with age: Association with plasma folate and vitamin B12. Mitochondrion, 2020, 51, 79-87.	1.6	15
115	UVB irradiation alters the activities and kinetic properties of the enzymes of energy metabolism in rat lens during aging. Journal of Photochemistry and Photobiology B: Biology, 1998, 42, 40-46.	1.7	14
116	Association of G>A transition in exon-1 of alpha crystallin gene in age-related cataracts. Oman Journal of Ophthalmology, 2010, 3, 7.	0.2	14
117	Increased risk of cataract development in WNINâ€obese rats due to accumulation of intralenticular sorbitol. IUBMB Life, 2013, 65, 472-478.	1.5	14
118	Hyperglycemia induced expression, phosphorylation, and translocation of Î±Bâ€crystallin in rat skeletal muscle. IUBMB Life, 2015, 67, 291-299.	1.5	14
119	Folate, vitamin B12, ferritin and haemoglobin levels among women of childbearing age from a rural district in South India. BMC Nutrition, 2017, 3, 50.	0.6	14
120	Implication of homocysteine in protein quality control processes. Biochimie, 2019, 165, 19-31.	1.3	14
121	A predominantly hydrophobic recognition of H-antigenic sugars by winged bean acidic lectin: a thermodynamic study. FEBS Letters, 1999, 450, 181-185.	1.3	13
122	Ocular Phenotype of a Family with FAM161A-associated Retinal Degeneration. Ophthalmic Genetics, 2016, 37, 1-9.	0.5	13
123	Temperature-dependent structural and functional properties of a mutant (F71L) Î±A-crystallin: Molecular basis for early onset of age-related cataract. FEBS Letters, 2011, 585, 3884-3889.	1.3	12
124	Synthesis of 4â€Câ€²â€Dâ€Glucosylated Isoliquiritigenin and Analogues for Aldose Reductase Inhibition Studies. European Journal of Organic Chemistry, 2019, 2019, 3937-3948.	1.2	11
125	Reduced levels of rat lens antioxidant vitamins upon in vitro UVB irradiation. Journal of Nutritional Biochemistry, 2001, 12, 121-124.	1.9	10
126	First total synthesis of cyclodepsipeptides clavatustide A and B and their enantiomers. RSC Advances, 2016, 6, 61555-61565.	1.7	10

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127	Impact of obesity with impaired glucose tolerance on retinal degeneration in a rat model of metabolic syndrome. Molecular Vision, 2017, 23, 263-274.	1.1	10
128	Concurrence of Danish Dementia and Cataract: Insights from the Interactions of Dementia Associated Peptides with Eye Lens Î±-Crystallin. PLoS ONE, 2008, 3, e2927.	1.1	9
129	Reference cut-offs to define low serum zinc concentrations in healthy 1â€“19 year old Indian children and adolescents. European Journal of Clinical Nutrition, 2022, 76, 1150-1157.	1.3	9
130	Synergistic effect of UVB radiation and age on HMPS enzymes in rat lens homogenate. Journal of Photochemistry and Photobiology B: Biology, 1998, 43, 56-60.	1.7	8
131	Spatio-temporal control on the delivery of triamcinolone acetonide using polymeric nanoparticles reduces steroid induced cataract. International Journal of Pharmaceutics, 2019, 568, 118474.	2.6	8
132	Frailty and Nutritional Status among Urban Older Adults in South India. Journal of Aging Research, 2020, 2020, 1-11.	0.4	8
133	Newborn screening and single nucleotide variation profiling of TSHR, TPO, TG and DUOX2 candidate genes for congenital hypothyroidism. Molecular Biology Reports, 2020, 47, 7467-7475.	1.0	8
134	Prevalence of Iron Deficiency and its Sociodemographic Patterning in Indian Children and Adolescents: Findings from the Comprehensive National Nutrition Survey 2016â€“18. Journal of Nutrition, 2021, 151, 2422-2434.	1.3	8
135	Carotenoid status in type 2 diabetes patients with and without retinopathy. Food and Function, 2021, 12, 4402-4410.	2.1	7
136	Impact of chronic hyperglycemia on Small Heat Shock Proteins in diabetic rat brain. Archives of Biochemistry and Biophysics, 2021, 701, 108816.	1.4	7
137	Dysbiosis in the Gut Microbiome in Streptozotocin-Induced Diabetes Rats and Follow-Up During Retinal Changes. , 2021, 62, 31.		7
138	Insulin resistance mediated biochemical alterations in eye lens of neonatal streptozotocin-induced diabetic rat. Indian Journal of Experimental Biology, 2011, 49, 749-55.	0.5	7
139	Geranium oil ameliorates endothelial dysfunction in high fat high sucrose diet induced metabolic complications in rats. Journal of Functional Foods, 2015, 15, 284-293.	1.6	6
140	Design and synthesis of pyridazinone-substituted benzenesulphonylurea derivatives as anti-hyperglycaemic agents and inhibitors of aldose reductase â€“ an enzyme embroiled in diabetic complications. Journal of Enzyme Inhibition and Medicinal Chemistry, 2016, 31, 1415-1427.	2.5	6
141	Role of sorbitol-mediated cellular stress response in obesity-associated retinal degeneration. Archives of Biochemistry and Biophysics, 2020, 679, 108207.	1.4	6
142	Prevalence of vitamin A deficiency and dietary inadequacy in Indian school-age children and adolescents. European Journal of Nutrition, 2022, 61, 197-209.	1.8	6
143	Simultaneous amelioration of diabetic ocular complications in lens and retinal tissues using a non-invasive drug delivery system. International Journal of Pharmaceutics, 2021, 608, 121045.	2.6	6
144	Dietary zinc deficiency disrupts skeletal muscle proteostasis and mitochondrial biology in rats. Nutrition, 2022, 98, 111625.	1.1	6

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145	Effect of Sorbitol on Alpha-Crystallin Structure and Function. Biochemistry (Moscow), 2022, 87, 131-140.	0.7	6
146	Temperature-dependent coaggregation of eye lens Î±B- and Î²-crystallins. Biochemical and Biophysical Research Communications, 2011, 405, 486-490.	1.0	5
147	Synthesis of Câ€Analogues of Î²â€Glucogallin and Aldose Reductase Inhibition Studies. European Journal of Organic Chemistry, 2017, 2017, 7283-7294.	1.2	5
148	Age-related neuronal damage by advanced glycation end products through altered proteostasis. Chemico-Biological Interactions, 2022, 355, 109840.	1.7	5
149	The rs1991517 polymorphism is a genetic risk factor for congenital hypothyroidism. 3 Biotech, 2020, 10, 285.	1.1	4
150	Flawed analyses and historical data inflate vitamin A deficiency in India to misdirect policy. European Journal of Clinical Nutrition, 2023, 77, 138-139.	1.3	4
151	Linear free-energy model description of the conformational stability of uracil-DNA glycosylase inhibitor. FEBS Journal, 2001, 261, 610-617.	0.2	3
152	Alzheimerâ€™s and Danish dementia peptides induce cataract and perturb retinal architecture in rats. Biomolecular Concepts, 2017, 8, 45-84.	1.0	3
153	Reply to J Sheftel et al. and N Arlappa. American Journal of Clinical Nutrition, 2021, 113, 1709-1711.	2.2	3
154	A Raw Food Based Quantitative Food Frequency Questionnaire to Assess Long-Term Dietary-Intake among Urban Adults of South India: Relative Validity and Reproducibility. The Indian Journal of Nutrition and Dietetics, 2018, 55, 1.	0.1	3
155	Effect of vitamin B supplementation on retinal lesions in diabetic rats. Molecular Vision, 2020, 26, 311-325.	1.1	3
156	Chronic Effects of Maternal Low-Protein and Low-Quality Protein Diets on Body Composition, Glucose-Homeostasis and Metabolic Factors, Followed by Reversible Changes upon Rehabilitation in Adult Rat Offspring. Nutrients, 2021, 13, 4129.	1.7	3
157	Telomere length and vitamin B12. Vitamins and Hormones, 2022, 119, 299-324.	0.7	3
158	Small Heat Shock Proteins in Inflammatory Diseases. Heat Shock Proteins, 2020, , 241-269.	0.2	2
159	Protective effect of cinnamon on diabetic cardiomyopathy in nicotinamide-streptozotocin induced diabetic rat model. Journal of Diabetes and Metabolic Disorders, 0, , 1.	0.8	2
160	Gut mycobiome dysbiosis in rats showing retinal changes indicative of diabetic retinopathy. PLoS ONE, 2022, 17, e0267080.	1.1	2
161	Isothermal Titration Calorimetric Studies on the Binding of Deoxytrimannoside Derivatives with Artocarpin:Â Implications for a Deep-Seated Combining Site in Lectins. Biochemistry, 2000, 39, 14364-14364.	1.2	1
162	Nutrition & metabolic syndrome. Reviews in Endocrine and Metabolic Disorders, 2013, 14, 217-217.	2.6	1

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163	Reply to A Hasman et al.. American Journal of Clinical Nutrition, 2021, 114, 391-392.	2.2	1
164	Comment on â€œGuiding Global Best Practice in Personalized Nutrition Based on Genetics: The Development of a Nutrigenomics Care Mapâ€: Journal of the Academy of Nutrition and Dietetics, 2021, 121, 1215-1216.	0.4	1
165	Molecular insights into the role of genetic determinants of congenital hypothyroidism. Genomics and Informatics, 2021, 19, e29.	0.4	1
166	Response to Correspondence from McDonald et al.. European Journal of Clinical Nutrition, 2022, 76, 1202-1203.	1.3	1
167	Response to Comments from Brown et al. (ref: 2021EJCN0980RR). European Journal of Clinical Nutrition, 0, , .	1.3	1
168	Endothelial dysfunction in streptozotocin induced diabetes and influence of geranium oil. Atherosclerosis, 2015, 241, e75.	0.4	0
169	Vascular dysfunction in a sucrose induced metabolic complications ameliorates with essential oil (Citronellol). Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2018, WCP2018, PO4-2-11.	0.0	0
170	Alterations in Cardiac Tissue of a Natural Obese Rat Model: Implications for Obesity-Associated Cardiomyopathy. Proceedings of the National Academy of Sciences India Section B - Biological Sciences, 0, , 1.	0.4	0