

# G B Reddy

## List of Publications by Citations

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166  
papers

4,810  
citations

41  
h-index

60  
g-index

175  
ext. papers

5,392  
ext. citations

4.1  
avg, IF

5.58  
L-index

#	Paper	IF	Citations
166	Curcumin and turmeric delay streptozotocin-induced diabetic cataract in rats. <i>Investigative Ophthalmology and Visual Science</i> , <b>2005</b> , 46, 2092-9		221
165	Loss of functional ELOVL4 depletes very long-chain fatty acids (> or =C28) and the unique omega-O-acylceramides in skin leading to neonatal death. <i>Human Molecular Genetics</i> , <b>2007</b> , 16, 471-82	5.6	196
164	Temperature-dependent chaperone activity and structural properties of human alphaA- and alphaB-crystallins. <i>Journal of Biological Chemistry</i> , <b>2000</b> , 275, 4565-70	5.4	142
163	Chaperone-like activity and hydrophobicity of alpha-crystallin. <i>IUBMB Life</i> , <b>2006</b> , 58, 632-41	4.7	108
162	Effect of glycation on alpha-crystallin structure and chaperone-like function. <i>Biochemical Journal</i> , <b>2007</b> , 408, 251-8	3.8	101
161	Effect of dicarbonyl-induced browning on alpha-crystallin chaperone-like activity: physiological significance and caveats of in vitro aggregation assays. <i>Biochemical Journal</i> , <b>2004</b> , 379, 273-82	3.8	100
160	Effect of curcumin on hyperglycemia-induced vascular endothelial growth factor expression in streptozotocin-induced diabetic rat retina. <i>Biochemical and Biophysical Research Communications</i> , <b>2007</b> , 361, 528-32	3.4	95
159	Anticancer effect of celastrol on human triple negative breast cancer: possible involvement of oxidative stress, mitochondrial dysfunction, apoptosis and PI3K/Akt pathways. <i>Experimental and Molecular Pathology</i> , <b>2015</b> , 98, 313-27	4.4	94
158	Elevated expression of alphaA- and alphaB-crystallins in streptozotocin-induced diabetic rat. <i>Archives of Biochemistry and Biophysics</i> , <b>2005</b> , 444, 77-83	4.1	87
157	Inhibition of aldose reductase by tannoid principles of <i>Emblca officinalis</i> : implications for the prevention of sugar cataract. <i>Molecular Vision</i> , <b>2004</b> , 10, 148-54	2.3	79
156	Prevention of non-enzymic glycation of proteins by dietary agents: prospects for alleviating diabetic complications. <i>British Journal of Nutrition</i> , <b>2009</b> , 101, 1714-21	3.6	75
155	Advanced glycation end products mediated cellular and molecular events in the pathology of diabetic nephropathy. <i>Biomolecular Concepts</i> , <b>2016</b> , 7, 293-309	3.7	71
154	Efficacy of biodegradable curcumin nanoparticles in delaying cataract in diabetic rat model. <i>PLoS ONE</i> , <b>2013</b> , 8, e78217	3.7	71
153	Antioxidant defense system and lipid peroxidation in patients with skeletal fluorosis and in fluoride-intoxicated rabbits. <i>Toxicological Sciences</i> , <b>2003</b> , 72, 363-8	4.4	71
152	The isolation and characterization of Eglucogallin as a novel aldose reductase inhibitor from <i>Emblca officinalis</i> . <i>PLoS ONE</i> , <b>2012</b> , 7, e31399	3.7	67
151	Effect of curcumin on galactose-induced cataractogenesis in rats. <i>Molecular Vision</i> , <b>2003</b> , 9, 223-30	2.3	66
150	Ellagic acid, a new antiglycating agent: its inhibition of N <sup>ε</sup> -(carboxymethyl)lysine. <i>Biochemical Journal</i> , <b>2012</b> , 442, 221-30	3.8	65

149	Legume lectin family, the natural mutants of the quaternary state provide insights into the relationship between protein stability and oligomerization. <i>Biochimica Et Biophysica Acta - General Subjects</i> , <b>2001</b> , 1527, 102-11	4	65
148	<i>Emblica officinalis</i> and its enriched tannoids delay streptozotocin-induced diabetic cataract in rats. <i>Molecular Vision</i> , <b>2007</b> , 13, 1291-7	2.3	65
147	Rescue of photoreceptor degeneration by curcumin in transgenic rats with P23H rhodopsin mutation. <i>PLoS ONE</i> , <b>2011</b> , 6, e21193	3.7	64
146	Inhibition of aldose reductase by dietary antioxidant curcumin: mechanism of inhibition, specificity and significance. <i>FEBS Letters</i> , <b>2009</b> , 583, 3637-42	3.8	63
145	CTRP5 is a membrane-associated and secretory protein in the RPE and ciliary body and the S163R mutation of CTRP5 impairs its secretion. <i>Investigative Ophthalmology and Visual Science</i> , <b>2006</b> , 47, 5505-13		63
144	Status of B-vitamins and homocysteine in diabetic retinopathy: association with vitamin-B12 deficiency and hyperhomocysteinemia. <i>PLoS ONE</i> , <b>2011</b> , 6, e26747	3.7	62
143	Crystal structure of the jacalin-T-antigen complex and a comparative study of lectin-T-antigen complexes. <i>Journal of Molecular Biology</i> , <b>2002</b> , 321, 637-45	6.5	62
142	Dietary sources of aldose reductase inhibitors: prospects for alleviating diabetic complications. <i>Asia Pacific Journal of Clinical Nutrition</i> , <b>2008</b> , 17, 558-65	1	61
141	Antiglycating potential of <i>Zingiber officinalis</i> and delay of diabetic cataract in rats. <i>Molecular Vision</i> , <b>2010</b> , 16, 1525-37	2.3	59
140	Extracellular small heat shock proteins: exosomal biogenesis and function. <i>Cell Stress and Chaperones</i> , <b>2018</b> , 23, 441-454	4	57
139	Spatial and temporal expression of MFRP and its interaction with CTRP5. <i>Investigative Ophthalmology and Visual Science</i> , <b>2006</b> , 47, 5514-21		55
138	Synthesis and biological evaluation of new piplartine analogues as potent aldose reductase inhibitors (ARIs). <i>European Journal of Medicinal Chemistry</i> , <b>2012</b> , 57, 344-61	6.8	52
137	Insights into hydrophobicity and the chaperone-like function of alphaA- and alphaB-crystallins: an isothermal titration calorimetric study. <i>Journal of Biological Chemistry</i> , <b>2005</b> , 280, 21726-30	5.4	52
136	Modulation of alpha-crystallin chaperone activity in diabetic rat lens by curcumin. <i>Molecular Vision</i> , <b>2005</b> , 11, 561-8	2.3	51
135	A novel mutation (F71L) in alphaA-crystallin with defective chaperone-like function associated with age-related cataract. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , <b>2009</b> , 1792, 974-81	6.9	50
134	Delay of diabetic cataract in rats by the antiglycating potential of cumin through modulation of alpha-crystallin chaperone activity. <i>Journal of Nutritional Biochemistry</i> , <b>2009</b> , 20, 553-62	6.3	49
133	Enhanced degradation and decreased stability of eye lens alpha-crystallin upon methylglyoxal modification. <i>Experimental Eye Research</i> , <b>2004</b> , 79, 577-83	3.7	48
132	Effect of turmeric and curcumin on oxidative stress and antioxidant enzymes in streptozotocin-induced diabetic rat. <i>Medical Science Monitor</i> , <b>2007</b> , 13, BR286-92	3.2	48

131	Binding and stabilization of transthyretin by curcumin. <i>Archives of Biochemistry and Biophysics</i> , <b>2009</b> , 485, 115-9	4.1	46
130	Focus on molecules: aldose reductase. <i>Experimental Eye Research</i> , <b>2007</b> , 85, 739-40	3.7	44
129	Conformational stability of legume lectins reflect their different modes of quaternary association: solvent denaturation studies on concanavalin A and winged bean acidic agglutinin. <i>Biochemistry</i> , <b>2002</b> , 41, 9256-63	3.2	44
128	Molten globule-like state of peanut lectin monomer retains its carbohydrate specificity. Implications in protein folding and legume lectin oligomerization. <i>Journal of Biological Chemistry</i> , <b>1999</b> , 274, 4500-3	5.4	43
127	Response of small heat shock proteins in diabetic rat retina <b>2013</b> , 54, 7674-82		42
126	Exome analysis identified a novel mutation in the RBP4 gene in a consanguineous pedigree with retinal dystrophy and developmental abnormalities. <i>PLoS ONE</i> , <b>2012</b> , 7, e50205	3.7	42
125	Aldose reductase expression as a risk factor for cataract. <i>Chemico-Biological Interactions</i> , <b>2015</b> , 234, 247-53		41
124	Erythrocyte aldose reductase activity and sorbitol levels in diabetic retinopathy. <i>Molecular Vision</i> , <b>2008</b> , 14, 593-601	2.3	41
123	Ellagic acid inhibits VEGF/VEGFR2, PI3K/Akt and MAPK signaling cascades in the hamster cheek pouch carcinogenesis model. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , <b>2014</b> , 14, 1249-60	2.2	41
122	Thermal stability and mode of oligomerization of the tetrameric peanut agglutinin: a differential scanning calorimetry study. <i>Biochemistry</i> , <b>1999</b> , 38, 4464-70	3.2	40
121	Thermodynamic characterization of the conformational stability of the homodimeric protein, pea lectin. <i>Biochemistry</i> , <b>1998</b> , 37, 16765-72	3.2	37
120	Ellagic acid inhibits PDGF-BB-induced vascular smooth muscle cell proliferation and prevents atheroma formation in streptozotocin-induced diabetic rats. <i>Journal of Nutritional Biochemistry</i> , <b>2013</b> , 24, 1830-9	6.3	36
119	Modulation of alpha-crystallin chaperone activity: a target to prevent or delay cataract?. <i>IUBMB Life</i> , <b>2009</b> , 61, 485-95	4.7	36
118	Inhibition of transthyretin amyloid fibril formation by 2,4-dinitrophenol through tetramer stabilization. <i>Archives of Biochemistry and Biophysics</i> , <b>2002</b> , 400, 43-7	4.1	36
117	Inhibition of advanced glycation end-product formation on eye lens protein by rutin. <i>British Journal of Nutrition</i> , <b>2012</b> , 107, 941-9	3.6	35
116	Effect of cinnamon and its procyanidin-B2 enriched fraction on diabetic nephropathy in rats. <i>Chemico-Biological Interactions</i> , <b>2014</b> , 222, 68-76	5	32
115	Plasma vitamin D status in patients with type 2 diabetes with and without retinopathy. <i>Nutrition</i> , <b>2015</b> , 31, 959-63	4.8	31
114	Importance of eye lens Crystallin heteropolymer with 3:1 A to B ratio: stability, aggregation, and modifications. <i>IUBMB Life</i> , <b>2010</b> , 62, 693-702	4.7	31

113	Activation of sorbitol pathway in metabolic syndrome and increased susceptibility to cataract in Wistar-Obese rats. <i>Molecular Vision</i> , <b>2012</b> , 18, 495-503	2.3	31
112	Generating minicorneal organoids from human induced pluripotent stem cells. <i>Development (Cambridge)</i> , <b>2017</b> , 144, 2338-2351	6.6	30
111	Protection against UVB inactivation (in vitro) of rat lens enzymes by natural antioxidants. <i>Molecular and Cellular Biochemistry</i> , <b>1999</b> , 194, 41-5	4.2	30
110	A non-invasive nanoparticle mediated delivery of triamcinolone acetonide ameliorates diabetic retinopathy in rats. <i>Nanoscale</i> , <b>2018</b> , 10, 16485-16498	7.7	29
109	Altered ubiquitin-proteasome system leads to neuronal cell death in a spontaneous obese rat model. <i>Biochimica Et Biophysica Acta - General Subjects</i> , <b>2014</b> , 1840, 2924-34	4	29
108	Inhibition of aldose reductase by <i>Gentiana lutea</i> extracts. <i>Experimental Diabetes Research</i> , <b>2012</b> , 2012, 147965		29
107	Status of Vitamin B12 and Folate among the Urban Adult Population in South India. <i>Annals of Nutrition and Metabolism</i> , <b>2016</b> , 68, 94-102	4.5	28
106	Effect of Diabecon on sugar-induced lens opacity in organ culture: mechanism of action. <i>Journal of Ethnopharmacology</i> , <b>2005</b> , 97, 397-403	5	28
105	Alphab-crystallin-assisted reactivation of glucose-6-phosphate dehydrogenase upon refolding. <i>Biochemical Journal</i> , <b>2005</b> , 391, 335-41	3.8	28
104	Bioflavonoid ellagic acid inhibits aldose reductase: Implications for prevention of diabetic complications. <i>Journal of Functional Foods</i> , <b>2014</b> , 6, 374-383	5.1	27
103	Contrasting effects of type 2 and type 1 diabetes on plasma RBP4 levels: the significance of transthyretin. <i>IUBMB Life</i> , <b>2012</b> , 64, 975-82	4.7	27
102	A novel rat model with obesity-associated retinal degeneration <b>2009</b> , 50, 3456-63		27
101	Significance of alpha-crystallin heteropolymer with a 3:1 alphaA/alphaB ratio: chaperone-like activity, structure and hydrophobicity. <i>Biochemical Journal</i> , <b>2008</b> , 414, 453-60	3.8	27
100	In Vivo Inhibition of Proteasome Activity and Tumour Growth by <i>Murraya koenigii</i> Leaf Extract in Breast Cancer Xenografts and by Its Active Flavonoids in Breast Cancer Cells. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , <b>2016</b> , 16, 1605-1614	2.2	26
99	alphaA- and alphaB-crystallins protect glucose-6-phosphate dehydrogenase against UVB irradiation-induced inactivation. <i>Biochemical and Biophysical Research Communications</i> , <b>2001</b> , 282, 712-6	3.4	25
98	Fibrocytes Regulate Wilms Tumor 1-Positive Cell Accumulation in Severe Fibrotic Lung Disease. <i>Journal of Immunology</i> , <b>2015</b> , 195, 3978-91	5.3	24
97	Ellagic acid inhibits non-enzymatic glycation and prevents proteinuria in diabetic rats. <i>Food and Function</i> , <b>2016</b> , 7, 1574-83	6.1	24
96	Emerging role for B-crystallin as a therapeutic agent: pros and cons. <i>Current Molecular Medicine</i> , <b>2015</b> , 15, 47-61	2.5	24

95	Aldose reductase-mediated induction of epithelium-to-mesenchymal transition (EMT) in lens. <i>Chemico-Biological Interactions</i> , <b>2011</b> , 191, 351-6	5	24
94	Structural and kinetic properties of Bacillus subtilis S-adenosylmethionine synthetase expressed in Escherichia coli. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , <b>2008</b> , 1784, 1949-58	4	24
93	Overexpression and enhanced specific activity of aldoketo reductases (AKR1B1 & AKR1B10) in human breast cancers. <i>Breast</i> , <b>2017</b> , 31, 137-143	3.6	23
92	Role of crystallins in diabetic complications. <i>Biochimica Et Biophysica Acta - General Subjects</i> , <b>2016</b> , 1860, 269-77	4	23
91	Attenuation of diabetic retinopathy in rats by ellagic acid through inhibition of AGE formation. <i>Journal of Food Science and Technology</i> , <b>2017</b> , 54, 2411-2421	3.3	23
90	Evaluation of neonatal streptozotocin induced diabetic rat model for the development of cataract. <i>Oxidative Medicine and Cellular Longevity</i> , <b>2014</b> , 2014, 463264	6.7	23
89	Ubiquitin-proteasome system and ER stress in the retina of diabetic rats. <i>Archives of Biochemistry and Biophysics</i> , <b>2017</b> , 627, 10-20	4.1	22
88	Implication of altered ubiquitin-proteasome system and ER stress in the muscle atrophy of diabetic rats. <i>Archives of Biochemistry and Biophysics</i> , <b>2018</b> , 639, 16-25	4.1	22
87	Inhibition of protein glycation by procyanidin-B2 enriched fraction of cinnamon: delay of diabetic cataract in rats. <i>IUBMB Life</i> , <b>2013</b> , 65, 941-50	4.7	22
86	Characterization of iron-binding phosphopeptide released by gastrointestinal digestion of egg white. <i>Food Research International</i> , <b>2015</b> , 67, 308-314	7	21
85	Suppression of DTT-induced aggregation of abrin by alphaA- and alphaB-crystallins: a model aggregation assay for alpha-crystallin chaperone activity in vitro. <i>FEBS Letters</i> , <b>2002</b> , 522, 59-64	3.8	21
84	Gedunin abrogates aldose reductase, PI3K/Akt/mTOR, and NF- $\kappa$ B signaling pathways to inhibit angiogenesis in a hamster model of oral carcinogenesis. <i>Tumor Biology</i> , <b>2016</b> , 37, 2083-93	2.9	20
83	Growth Hormone Induces Transforming Growth Factor-Beta-Induced Protein in Podocytes: Implications for Podocyte Depletion and Proteinuria. <i>Journal of Cellular Biochemistry</i> , <b>2015</b> , 116, 1947-56	4.7	20
82	Carboxymethyl lysine induces EMT in podocytes through transcription factor ZEB2: Implications for podocyte depletion and proteinuria in diabetes mellitus. <i>Archives of Biochemistry and Biophysics</i> , <b>2016</b> , 590, 10-19	4.1	20
81	Nutrigenomics: Opportunities & challenges for public health nutrition. <i>Indian Journal of Medical Research</i> , <b>2018</b> , 148, 632-641	2.9	20
80	Gentiana lutea exerts anti-atherosclerotic effects by preventing endothelial inflammation and smooth muscle cell migration. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , <b>2016</b> , 26, 293-301	4.5	19
79	Metabolic syndrome and associated chronic kidney diseases: nutritional interventions. <i>Reviews in Endocrine and Metabolic Disorders</i> , <b>2013</b> , 14, 273-86	10.5	19
78	Effect of long-term dietary manipulation on the aggregation of rat lens crystallins: role of alpha-crystallin chaperone function. <i>Molecular Vision</i> , <b>2002</b> , 8, 298-305	2.3	19

77	Hierarchy and the mechanism of fibril formation in ADan peptides. <i>Journal of Neurochemistry</i> , <b>2006</b> , 99, 537-48	6	18
76	Isothermal titration calorimetric studies on the binding of deoxytrimannoside derivatives with artocarpin: implications for a deep-seated combining site in lectins. <i>Biochemistry</i> , <b>2000</b> , 39, 10755-60	3.2	18
75	Expression and induction of small heat shock proteins in rat heart under chronic hyperglycemic conditions. <i>Archives of Biochemistry and Biophysics</i> , <b>2014</b> , 558, 1-9	4.1	17
74	Procyanidin-B2 enriched fraction of cinnamon acts as a proteasome inhibitor and anti-proliferative agent in human prostate cancer cells. <i>IUBMB Life</i> , <b>2018</b> , 70, 445-457	4.7	16
73	Synthesis and biological evaluation of some new pyrazoline substituted benzenesulfonylurea/thiourea derivatives as anti-hyperglycaemic agents and aldose reductase inhibitors. <i>European Journal of Medicinal Chemistry</i> , <b>2014</b> , 80, 209-17	6.8	16
72	Effect of chronic hyperglycemia on crystallin levels in rat lens. <i>Biochemical and Biophysical Research Communications</i> , <b>2014</b> , 446, 602-7	3.4	15
71	4-PBA prevents diabetic muscle atrophy in rats by modulating ER stress response and ubiquitin-proteasome system. <i>Chemico-Biological Interactions</i> , <b>2019</b> , 306, 70-77	5	14
70	Amelioration of neuronal cell death in a spontaneous obese rat model by dietary restriction through modulation of ubiquitin proteasome system. <i>Journal of Nutritional Biochemistry</i> , <b>2016</b> , 33, 73-81	6.3	13
69	Exploration of molecular factors impairing superoxide dismutase isoforms activity in human senile cataractous lenses <b>2013</b> , 54, 6224-33		13
68	Total activity of glutathione-S-transferase (GST) and polymorphisms of GSTM1 and GSTT1 genes conferring risk for the development of age related cataracts. <i>Experimental Eye Research</i> , <b>2012</b> , 98, 67-74	3.7	13
67	Increased risk of cataract development in WNIN-obese rats due to accumulation of intralenticular sorbitol. <i>IUBMB Life</i> , <b>2013</b> , 65, 472-8	4.7	13
66	The combination of molecular dynamics with crystallography for elucidating protein-ligand interactions: a case study involving peanut lectin complexes with T-antigen and lactose. <i>Acta Crystallographica Section D: Biological Crystallography</i> , <b>2001</b> , 57, 1584-94		13
65	A predominantly hydrophobic recognition of H-antigenic sugars by winged bean acidic lectin: a thermodynamic study. <i>FEBS Letters</i> , <b>1999</b> , 450, 181-5	3.8	13
64	Circulating levels of Hsp27 in microvascular complications of diabetes: Prospects as a biomarker of diabetic nephropathy. <i>Journal of Diabetes and Its Complications</i> , <b>2018</b> , 32, 221-225	3.2	13
63	UVB irradiation alters the activities and kinetic properties of the enzymes of energy metabolism in rat lens during aging. <i>Journal of Photochemistry and Photobiology B: Biology</i> , <b>1998</b> , 42, 40-6	6.7	12
62	A missense mutation in ASRGL1 is involved in causing autosomal recessive retinal degeneration. <i>Human Molecular Genetics</i> , <b>2016</b> , 25, 2483-2497	5.6	12
61	Ubiquitin-proteasome system and ER stress in the brain of diabetic rats. <i>Journal of Cellular Biochemistry</i> , <b>2019</b> , 120, 5962-5973	4.7	12
60	Prevalence of vitamin deficiencies in an apparently healthy urban adult population: Assessed by subclinical status and dietary intakes. <i>Nutrition</i> , <b>2019</b> , 63-64, 106-113	4.8	11

59	Hyperglycemia induced expression, phosphorylation, and translocation of B-crystallin in rat skeletal muscle. <i>IUBMB Life</i> , <b>2015</b> , 67, 291-9	4.7	11
58	Vitamin A supplementation ameliorates obesity-associated retinal degeneration in WNIN/Ob rats. <i>Nutrition</i> , <b>2013</b> , 29, 298-304	4.8	11
57	Association of G>A transition in exon-1 of alpha crystallin gene in age-related cataracts. <i>Oman Journal of Ophthalmology</i> , <b>2010</b> , 3, 7-12	0.7	11
56	Micronutrient intakes and status assessed by probability approach among the urban adult population of Hyderabad city in South India. <i>European Journal of Nutrition</i> , <b>2019</b> , 58, 3147-3159	5.2	11
55	Temperature-dependent structural and functional properties of a mutant (F71L) A-crystallin: molecular basis for early onset of age-related cataract. <i>FEBS Letters</i> , <b>2011</b> , 585, 3884-9	3.8	10
54	Ocular Phenotype of a Family with FAM161A-associated Retinal Degeneration. <i>Ophthalmic Genetics</i> , <b>2016</b> , 37, 44-52	1.2	9
53	Reduced levels of rat lens antioxidant vitamins upon in vitro UVB irradiation. <i>Journal of Nutritional Biochemistry</i> , <b>2001</b> , 12, 121-124	6.3	9
52	Impact of obesity with impaired glucose tolerance on retinal degeneration in a rat model of metabolic syndrome. <i>Molecular Vision</i> , <b>2017</b> , 23, 263-274	2.3	9
51	SGLT inhibitors as antidiabetic agents: a comprehensive review.. <i>RSC Advances</i> , <b>2020</b> , 10, 1733-1756	3.7	9
50	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. <i>American Journal of Clinical Nutrition</i> , <b>2021</b> , 113, 939-947	7.47	9
49	Dysregulation of Mesenchymal Cell Survival Pathways in Severe Fibrotic Lung Disease: The Effect of Nintedanib Therapy. <i>Frontiers in Pharmacology</i> , <b>2019</b> , 10, 532	5.6	8
48	Concurrence of Danish dementia and cataract: insights from the interactions of dementia associated peptides with eye lens alpha-crystallin. <i>PLoS ONE</i> , <b>2008</b> , 3, e2927	3.7	8
47	Relative telomere length and mitochondrial DNA copy number variation with age: Association with plasma folate and vitamin B12. <i>Mitochondrion</i> , <b>2020</b> , 51, 79-87	4.9	7
46	Implication of homocysteine in protein quality control processes. <i>Biochimie</i> , <b>2019</b> , 165, 19-31	4.6	7
45	Synergistic effect of UVB radiation and age on HMPS enzymes in rat lens homogenate. <i>Journal of Photochemistry and Photobiology B: Biology</i> , <b>1998</b> , 43, 56-60	6.7	7
44	Perspective: When the cure might become the malady: the layering of multiple interventions with mandatory micronutrient fortification of foods in India. <i>American Journal of Clinical Nutrition</i> , <b>2021</b> , 114, 1261-1266	7	7
43	Insulin resistance mediated biochemical alterations in eye lens of neonatal streptozotocin-induced diabetic rat. <i>Indian Journal of Experimental Biology</i> , <b>2011</b> , 49, 749-55		7
42	Synthesis of 4-C-ED-Glucosylated Isoliquiritigenin and Analogues for Aldose Reductase Inhibition Studies. <i>European Journal of Organic Chemistry</i> , <b>2019</b> , 2019, 3937-3948	3.2	6



41	Activation of Notch1 signaling in podocytes by glucose-derived AGEs contributes to proteinuria. <i>BMJ Open Diabetes Research and Care</i> , <b>2020</b> , 8,	4.5	6
40	First total synthesis of cyclodepsipeptides clavatuside A and B and their enantiomers. <i>RSC Advances</i> , <b>2016</b> , 6, 61555-61565	3.7	6
39	Status of oxidative stress markers, advanced glycation index, and polyol pathway in age-related cataract subjects with and without diabetes. <i>Experimental Eye Research</i> , <b>2020</b> , 200, 108230	3.7	6
38	Geranium oil ameliorates endothelial dysfunction in high fat high sucrose diet induced metabolic complications in rats. <i>Journal of Functional Foods</i> , <b>2015</b> , 15, 284-293	5.1	5
37	Folate, vitamin B12, ferritin and haemoglobin levels among women of childbearing age from a rural district in South India. <i>BMC Nutrition</i> , <b>2017</b> , 3, 50	2.5	5
36	Temperature-dependent coaggregation of eye lens B- and $\beta$ crystallins. <i>Biochemical and Biophysical Research Communications</i> , <b>2011</b> , 405, 486-90	3.4	5
35	Role of sorbitol-mediated cellular stress response in obesity-associated retinal degeneration. <i>Archives of Biochemistry and Biophysics</i> , <b>2020</b> , 679, 108207	4.1	5
34	Prevalence of low serum zinc concentrations in Indian children and adolescents: findings from the Comprehensive National Nutrition Survey 2016-18. <i>American Journal of Clinical Nutrition</i> , <b>2021</b> , 114, 638-648	7.648	5
33	Design and synthesis of pyridazinone-substituted benzenesulphonylurea derivatives as anti-hyperglycaemic agents and inhibitors of aldose reductase - an enzyme embroiled in diabetic complications. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , <b>2016</b> , 31, 1415-27	5.6	4
32	Spatio-temporal control on the delivery of triamcinolone acetonide using polymeric nanoparticles reduces steroid induced cataract. <i>International Journal of Pharmaceutics</i> , <b>2019</b> , 568, 118474	6.5	4
31	Frailty and Nutritional Status among Urban Older Adults in South India. <i>Journal of Aging Research</i> , <b>2020</b> , 2020, 8763413	2.3	4
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