

G B Reddy

List of Publications by Year in Descending Order

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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.

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	Age-related neuronal damage by advanced glycation end products through altered proteostasis.. <i>Chemico-Biological Interactions</i> , 2022 , 355, 109840	5	0
165	Dietary zinc deficiency disrupts skeletal muscle proteostasis and mitochondrial biology in rats.. <i>Nutrition</i> , 2022 , 98, 111625	4.8	0
164	Reference cut-offs to define low serum zinc concentrations in healthy 1-19 year old Indian children and adolescents.. <i>European Journal of Clinical Nutrition</i> , 2022 ,	5.2	2
163	Effect of Sorbitol on Alpha-Crystallin Structure and Function.. <i>Biochemistry (Moscow)</i> , 2022 , 87, 131-140	2.9	1
162	Telomere length and vitamin B12.. <i>Vitamins and Hormones</i> , 2022 , 119, 299-324	2.5	0
161	Gut microbiome dysbiosis in rats showing retinal changes indicative of diabetic retinopathy.. <i>PLoS ONE</i> , 2022 , 17, e0267080	3.7	1
160	Response to Correspondence from McDonald et al.. <i>European Journal of Clinical Nutrition</i> , 2022 ,	5.2	0
159	Flawed analyses and historical data inflate vitamin A deficiency in India to misdirect policy.. <i>European Journal of Clinical Nutrition</i> , 2022 ,	5.2	0
158	Impact of chronic hyperglycemia on Small Heat Shock Proteins in diabetic rat brain. <i>Archives of Biochemistry and Biophysics</i> , 2021 , 701, 108816	4.1	3
157	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> , 2021 , 114, 638-648	7.68	5
156	Prevalence of Iron Deficiency and its Sociodemographic Patterning in Indian Children and Adolescents: Findings from the Comprehensive National Nutrition Survey 2016-18. <i>Journal of Nutrition</i> , 2021 , 151, 2422-2434	4.1	1
155	Reply to J Sheftel et al. and N Arlappa. <i>American Journal of Clinical Nutrition</i> , 2021 , 113, 1709-1711	7	1
154	Reply to A Hasman et al. <i>American Journal of Clinical Nutrition</i> , 2021 , 114, 391-392	7	1
153	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> , 2021 , 114, 1261-1266	7	7
152	Comment on "Guiding Global Best Practice in Personalized Nutrition Based on Genetics: The Development of a Nutrigenomics Care Map". <i>Journal of the Academy of Nutrition and Dietetics</i> , 2021 , 121, 1215-1216	3.9	1
151	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> , 2021 , 113, 939-947	7.97	9
150	Carotenoid status in type 2 diabetes patients with and without retinopathy. <i>Food and Function</i> , 2021 , 12, 4402-4410	6.1	0

149	Retraction of: Alzheimer β and Danish dementia peptides induce cataract and perturb retinal architecture in rats. <i>Biomolecular Concepts</i> , 2021 , 12, 116	3.7	
148	Prevalence of vitamin A deficiency and dietary inadequacy in Indian school-age children and adolescents. <i>European Journal of Nutrition</i> , 2021 , 1	5.2	0
147	Dysbiosis in the Gut Microbiome in Streptozotocin-Induced Diabetes Rats and Follow-Up During Retinal Changes 2021 , 62, 31		1
146	Molecular insights into the role of genetic determinants of congenital hypothyroidism. <i>Genomics and Informatics</i> , 2021 , 19, e29	1.9	
145	Simultaneous amelioration of diabetic ocular complications in lens and retinal tissues using a non-invasive drug delivery system. <i>International Journal of Pharmaceutics</i> , 2021 , 608, 121045	6.5	2
144	The rs1991517 polymorphism is a genetic risk factor for congenital hypothyroidism. <i>3 Biotech</i> , 2020 , 10, 285	2.8	3
143	Activation of Notch1 signaling in podocytes by glucose-derived AGEs contributes to proteinuria. <i>BMJ Open Diabetes Research and Care</i> , 2020 , 8,	4.5	6
142	Relative telomere length and mitochondrial DNA copy number variation with age: Association with plasma folate and vitamin B12. <i>Mitochondrion</i> , 2020 , 51, 79-87	4.9	7
141	Effect of vitamin B supplementation on retinal lesions in diabetic rats. <i>Molecular Vision</i> , 2020 , 26, 311-325	3.3	2
140	SGLT inhibitors as antidiabetic agents: a comprehensive review.. <i>RSC Advances</i> , 2020 , 10, 1733-1756	3.7	9
139	Role of sorbitol-mediated cellular stress response in obesity-associated retinal degeneration. <i>Archives of Biochemistry and Biophysics</i> , 2020 , 679, 108207	4.1	5
138	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> , 2020 , 200, 108230	3.7	6
137	Frailty and Nutritional Status among Urban Older Adults in South India. <i>Journal of Aging Research</i> , 2020 , 2020, 8763413	2.3	4
136	Small Heat Shock Proteins in Inflammatory Diseases. <i>Heat Shock Proteins</i> , 2020 , 241	0.2	1
135	Newborn screening and single nucleotide variation profiling of TSHR, TPO, TG and DUOX2 candidate genes for congenital hypothyroidism. <i>Molecular Biology Reports</i> , 2020 , 47, 7467-7475	2.8	4
134	Prevalence of vitamin deficiencies in an apparently healthy urban adult population: Assessed by subclinical status and dietary intakes. <i>Nutrition</i> , 2019 , 63-64, 106-113	4.8	11
133	Synthesis of 4-C- β -D-Glucosylated Isoliquiritigenin and Analogues for Aldose Reductase Inhibition Studies. <i>European Journal of Organic Chemistry</i> , 2019 , 2019, 3937-3948	3.2	6
132	Dysregulation of Mesenchymal Cell Survival Pathways in Severe Fibrotic Lung Disease: The Effect of Nintedanib Therapy. <i>Frontiers in Pharmacology</i> , 2019 , 10, 532	5.6	8

131	4-PBA prevents diabetic muscle atrophy in rats by modulating ER stress response and ubiquitin-proteasome system. <i>Chemico-Biological Interactions</i> , 2019 , 306, 70-77	5	14
130	Spatio-temporal control on the delivery of triamcinolone acetonide using polymeric nanoparticles reduces steroid induced cataract. <i>International Journal of Pharmaceutics</i> , 2019 , 568, 118474	6.5	4
129	Implication of homocysteine in protein quality control processes. <i>Biochimie</i> , 2019 , 165, 19-31	4.6	7
128	Ubiquitin-proteasome system and ER stress in the brain of diabetic rats. <i>Journal of Cellular Biochemistry</i> , 2019 , 120, 5962-5973	4.7	12
127	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> , 2019 , 58, 3147-3159	5.2	11
126	Implication of altered ubiquitin-proteasome system and ER stress in the muscle atrophy of diabetic rats. <i>Archives of Biochemistry and Biophysics</i> , 2018 , 639, 16-25	4.1	22
125	Procyanidin-B2 enriched fraction of cinnamon acts as a proteasome inhibitor and anti-proliferative agent in human prostate cancer cells. <i>IUBMB Life</i> , 2018 , 70, 445-457	4.7	16
124	Extracellular small heat shock proteins: exosomal biogenesis and function. <i>Cell Stress and Chaperones</i> , 2018 , 23, 441-454	4	57
123	A non-invasive nanoparticle mediated delivery of triamcinolone acetonide ameliorates diabetic retinopathy in rats. <i>Nanoscale</i> , 2018 , 10, 16485-16498	7.7	29
122	A Raw Food Based Quantitative Food Frequency Questionnaire to Assess Long-Term Dietary-Intake among Urban Adults of South India: Relative Validity and Reproducibility. <i>The Indian Journal of Nutrition and Dietetics</i> , 2018 , 55, 1	1.5	2
121	Nutrigenomics: Opportunities & challenges for public health nutrition. <i>Indian Journal of Medical Research</i> , 2018 , 148, 632-641	2.9	20
120	Vascular dysfunction in a sucrose induced metabolic complications ameliorates with essential oil (Citronellol). <i>Proceedings for Annual Meeting of the Japanese Pharmacological Society</i> , 2018 , WCP2018, PO4-2-11	0	
119	Circulating levels of Hsp27 in microvascular complications of diabetes: Prospects as a biomarker of diabetic nephropathy. <i>Journal of Diabetes and Its Complications</i> , 2018 , 32, 221-225	3.2	13
118	Alzheimer [®] and Danish dementia peptides induce cataract and perturb retinal architecture in rats. <i>Biomolecular Concepts</i> , 2017 , 8, 45-84	3.7	3
117	Overexpression and enhanced specific activity of aldoketo reductases (AKR1B1 & AKR1B10) in human breast cancers. <i>Breast</i> , 2017 , 31, 137-143	3.6	23
116	Generating minicorneal organoids from human induced pluripotent stem cells. <i>Development (Cambridge)</i> , 2017 , 144, 2338-2351	6.6	30
115	Ubiquitin-proteasome system and ER stress in the retina of diabetic rats. <i>Archives of Biochemistry and Biophysics</i> , 2017 , 627, 10-20	4.1	22
114	Attenuation of diabetic retinopathy in rats by ellagic acid through inhibition of AGE formation. <i>Journal of Food Science and Technology</i> , 2017 , 54, 2411-2421	3.3	23

113	Synthesis of C-Analogues of EGlucogallin and Aldose Reductase Inhibition Studies. <i>European Journal of Organic Chemistry</i> , 2017 , 2017, 7283-7294	3.2	2
112	Folate, vitamin B12, ferritin and haemoglobin levels among women of childbearing age from a rural district in South India. <i>BMC Nutrition</i> , 2017 , 3, 50	2.5	5
111	Impact of obesity with impaired glucose tolerance on retinal degeneration in a rat model of metabolic syndrome. <i>Molecular Vision</i> , 2017 , 23, 263-274	2.3	9
110	Gedunin abrogates aldose reductase, PI3K/Akt/mTOR, and NF- κ B signaling pathways to inhibit angiogenesis in a hamster model of oral carcinogenesis. <i>Tumor Biology</i> , 2016 , 37, 2083-93	2.9	20
109	Advanced glycation end products mediated cellular and molecular events in the pathology of diabetic nephropathy. <i>Biomolecular Concepts</i> , 2016 , 7, 293-309	3.7	71
108	First total synthesis of cyclodepsipeptides clavastatide A and B and their enantiomers. <i>RSC Advances</i> , 2016 , 6, 61555-61565	3.7	6
107	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> , 2016 , 33, 73-81	6.3	13
106	Role of crystallins in diabetic complications. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2016 , 1860, 269-77	4	23
105	Status of Vitamin B12 and Folate among the Urban Adult Population in South India. <i>Annals of Nutrition and Metabolism</i> , 2016 , 68, 94-102	4.5	28
104	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> , 2016 , 590, 10-19	4.1	20
103	Ellagic acid inhibits non-enzymatic glycation and prevents proteinuria in diabetic rats. <i>Food and Function</i> , 2016 , 7, 1574-83	6.1	24
102	<i>Gentiana lutea</i> exerts anti-atherosclerotic effects by preventing endothelial inflammation and smooth muscle cell migration. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2016 , 26, 293-301	4.5	19
101	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> , 2016 , 31, 1415-27	5.6	4
100	Ocular Phenotype of a Family with FAM161A-associated Retinal Degeneration. <i>Ophthalmic Genetics</i> , 2016 , 37, 44-52	1.2	9
99	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> , 2016 , 16, 1605-1614	2.2	26
98	A missense mutation in ASRGL1 is involved in causing autosomal recessive retinal degeneration. <i>Human Molecular Genetics</i> , 2016 , 25, 2483-2497	5.6	12
97	Growth Hormone Induces Transforming Growth Factor-Beta-Induced Protein in Podocytes: Implications for Podocyte Depletion and Proteinuria. <i>Journal of Cellular Biochemistry</i> , 2015 , 116, 1947-56	4.7	20
96	Geranium oil ameliorates endothelial dysfunction in high fat high sucrose diet induced metabolic complications in rats. <i>Journal of Functional Foods</i> , 2015 , 15, 284-293	5.1	5

95	Plasma vitamin D status in patients with type 2 diabetes with and without retinopathy. <i>Nutrition</i> , 2015 , 31, 959-63	4.8	31
94	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> , 2015 , 98, 313-27	4.4	94
93	Fibrocytes Regulate Wilms Tumor 1-Positive Cell Accumulation in Severe Fibrotic Lung Disease. <i>Journal of Immunology</i> , 2015 , 195, 3978-91	5.3	24
92	Characterization of iron-binding phosphopeptide released by gastrointestinal digestion of egg white. <i>Food Research International</i> , 2015 , 67, 308-314	7	21
91	Hyperglycemia induced expression, phosphorylation, and translocation of B-crystallin in rat skeletal muscle. <i>IUBMB Life</i> , 2015 , 67, 291-9	4.7	11
90	Emerging role for B-crystallin as a therapeutic agent: pros and cons. <i>Current Molecular Medicine</i> , 2015 , 15, 47-61	2.5	24
89	Aldose reductase expression as a risk factor for cataract. <i>Chemico-Biological Interactions</i> , 2015 , 234, 247-53	5	41
88	Bioflavonoid ellagic acid inhibits aldose reductase: Implications for prevention of diabetic complications. <i>Journal of Functional Foods</i> , 2014 , 6, 374-383	5.1	27
87	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> , 2014 , 80, 209-17	6.8	16
86	Altered ubiquitin-proteasome system leads to neuronal cell death in a spontaneous obese rat model. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2014 , 1840, 2924-34	4	29
85	Expression and induction of small heat shock proteins in rat heart under chronic hyperglycemic conditions. <i>Archives of Biochemistry and Biophysics</i> , 2014 , 558, 1-9	4.1	17
84	Effect of cinnamon and its procyanidin-B2 enriched fraction on diabetic nephropathy in rats. <i>Chemico-Biological Interactions</i> , 2014 , 222, 68-76	5	32
83	Effect of chronic hyperglycemia on crystallin levels in rat lens. <i>Biochemical and Biophysical Research Communications</i> , 2014 , 446, 602-7	3.4	15
82	Evaluation of neonatal streptozotocin induced diabetic rat model for the development of cataract. <i>Oxidative Medicine and Cellular Longevity</i> , 2014 , 2014, 463264	6.7	23
81	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> , 2014 , 14, 1249-60	2.2	41
80	Exploration of molecular factors impairing superoxide dismutase isoforms activity in human senile cataractous lenses 2013 , 54, 6224-33		13
79	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> , 2013 , 24, 1830-9	6.3	36
78	Vitamin A supplementation ameliorates obesity-associated retinal degeneration in WNIN/Ob rats. <i>Nutrition</i> , 2013 , 29, 298-304	4.8	11

77	Metabolic syndrome and associated chronic kidney diseases: nutritional interventions. <i>Reviews in Endocrine and Metabolic Disorders</i> , 2013 , 14, 273-86	10.5	19
76	Efficacy of biodegradable curcumin nanoparticles in delaying cataract in diabetic rat model. <i>PLoS ONE</i> , 2013 , 8, e78217	3.7	71
75	Increased risk of cataract development in WNIN-obese rats due to accumulation of intralenticular sorbitol. <i>IUBMB Life</i> , 2013 , 65, 472-8	4.7	13
74	Inhibition of protein glycation by procyanidin-B2 enriched fraction of cinnamon: delay of diabetic cataract in rats. <i>IUBMB Life</i> , 2013 , 65, 941-50	4.7	22
73	Response of small heat shock proteins in diabetic rat retina 2013 , 54, 7674-82		42
72	Contrasting effects of type 2 and type 1 diabetes on plasma RBP4 levels: the significance of transthyretin. <i>IUBMB Life</i> , 2012 , 64, 975-82	4.7	27
71	Inhibition of advanced glycation end-product formation on eye lens protein by rutin. <i>British Journal of Nutrition</i> , 2012 , 107, 941-9	3.6	35
70	Ellagic acid, a new antiglycating agent: its inhibition of N ^ε -(carboxymethyl)lysine. <i>Biochemical Journal</i> , 2012 , 442, 221-30	3.8	65
69	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> , 2012 , 98, 67-74	3.7	13
68	Synthesis and biological evaluation of new piplartine analogues as potent aldose reductase inhibitors (ARIs). <i>European Journal of Medicinal Chemistry</i> , 2012 , 57, 344-61	6.8	52
67	The isolation and characterization of Emblicogallin as a novel aldose reductase inhibitor from <i>Embolia officinalis</i> . <i>PLoS ONE</i> , 2012 , 7, e31399	3.7	67
66	Inhibition of aldose reductase by <i>Gentiana lutea</i> extracts. <i>Experimental Diabetes Research</i> , 2012 , 2012, 147965		29
65	Exome analysis identified a novel mutation in the RBP4 gene in a consanguineous pedigree with retinal dystrophy and developmental abnormalities. <i>PLoS ONE</i> , 2012 , 7, e50205	3.7	42
64	Activation of sorbitol pathway in metabolic syndrome and increased susceptibility to cataract in Wistar-Obese rats. <i>Molecular Vision</i> , 2012 , 18, 495-503	2.3	31
63	Temperature-dependent coaggregation of eye lens B- and C-crystallins. <i>Biochemical and Biophysical Research Communications</i> , 2011 , 405, 486-90	3.4	5
62	Rescue of photoreceptor degeneration by curcumin in transgenic rats with P23H rhodopsin mutation. <i>PLoS ONE</i> , 2011 , 6, e21193	3.7	64
61	Status of B-vitamins and homocysteine in diabetic retinopathy: association with vitamin-B12 deficiency and hyperhomocysteinemia. <i>PLoS ONE</i> , 2011 , 6, e26747	3.7	62
60	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> , 2011 , 585, 3884-9	3.8	10

59	Aldose reductase-mediated induction of epithelium-to-mesenchymal transition (EMT) in lens. <i>Chemico-Biological Interactions</i> , 2011 , 191, 351-6	5	24
58	Insulin resistance mediated biochemical alterations in eye lens of neonatal streptozotocin-induced diabetic rat. <i>Indian Journal of Experimental Biology</i> , 2011 , 49, 749-55		7
57	Association of G>A transition in exon-1 of alpha crystallin gene in age-related cataracts. <i>Oman Journal of Ophthalmology</i> , 2010 , 3, 7-12	0.7	11
56	Importance of eye lens Crystallin heteropolymer with 3:1 A to B ratio: stability, aggregation, and modifications. <i>IUBMB Life</i> , 2010 , 62, 693-702	4.7	31
55	Antiglycating potential of Zingiber officinalis and delay of diabetic cataract in rats. <i>Molecular Vision</i> , 2010 , 16, 1525-37	2.3	59
54	A novel rat model with obesity-associated retinal degeneration 2009 , 50, 3456-63		27
53	Prevention of non-enzymic glycation of proteins by dietary agents: prospects for alleviating diabetic complications. <i>British Journal of Nutrition</i> , 2009 , 101, 1714-21	3.6	75
52	Inhibition of aldose reductase by dietary antioxidant curcumin: mechanism of inhibition, specificity and significance. <i>FEBS Letters</i> , 2009 , 583, 3637-42	3.8	63
51	Modulation of alpha-crystallin chaperone activity: a target to prevent or delay cataract?. <i>IUBMB Life</i> , 2009 , 61, 485-95	4.7	36
50	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> , 2009 , 20, 553-62	6.3	49
49	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> , 2009 , 1792, 974-81	6.9	50
48	Binding and stabilization of transthyretin by curcumin. <i>Archives of Biochemistry and Biophysics</i> , 2009 , 485, 115-9	4.1	46
47	Significance of alpha-crystallin heteropolymer with a 3:1 alphaA/alphaB ratio: chaperone-like activity, structure and hydrophobicity. <i>Biochemical Journal</i> , 2008 , 414, 453-60	3.8	27
46	Concurrence of Danish dementia and cataract: insights from the interactions of dementia associated peptides with eye lens alpha-crystallin. <i>PLoS ONE</i> , 2008 , 3, e2927	3.7	8
45	Structural and kinetic properties of Bacillus subtilis S-adenosylmethionine synthetase expressed in Escherichia coli. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2008 , 1784, 1949-58	4	24
44	Erythrocyte aldose reductase activity and sorbitol levels in diabetic retinopathy. <i>Molecular Vision</i> , 2008 , 14, 593-601	2.3	41
43	Dietary sources of aldose reductase inhibitors: prospects for alleviating diabetic complications. <i>Asia Pacific Journal of Clinical Nutrition</i> , 2008 , 17, 558-65	1	61
42	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> , 2007 , 16, 471-82	5.6	196

41	Effect of curcumin on hyperglycemia-induced vascular endothelial growth factor expression in streptozotocin-induced diabetic rat retina. <i>Biochemical and Biophysical Research Communications</i> , 2007 , 361, 528-32	3.4	95
40	Focus on molecules: aldose reductase. <i>Experimental Eye Research</i> , 2007 , 85, 739-40	3.7	44
39	Effect of glycation on alpha-crystallin structure and chaperone-like function. <i>Biochemical Journal</i> , 2007 , 408, 251-8	3.8	101
38	Emblica officinalis and its enriched tannoids delay streptozotocin-induced diabetic cataract in rats. <i>Molecular Vision</i> , 2007 , 13, 1291-7	2.3	65
37	Effect of turmeric and curcumin on oxidative stress and antioxidant enzymes in streptozotocin-induced diabetic rat. <i>Medical Science Monitor</i> , 2007 , 13, BR286-92	3.2	48
36	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> , 2006 , 47, 5505-13		63
35	Chaperone-like activity and hydrophobicity of alpha-crystallin. <i>IUBMB Life</i> , 2006 , 58, 632-41	4.7	108
34	Spatial and temporal expression of MFRP and its interaction with CTRP5. <i>Investigative Ophthalmology and Visual Science</i> , 2006 , 47, 5514-21		55
33	Hierarchy and the mechanism of fibril formation in ADan peptides. <i>Journal of Neurochemistry</i> , 2006 , 99, 537-48	6	18
32	Curcumin and turmeric delay streptozotocin-induced diabetic cataract in rats. <i>Investigative Ophthalmology and Visual Science</i> , 2005 , 46, 2092-9		221
31	Insights into hydrophobicity and the chaperone-like function of alphaA- and alphaB-crystallins: an isothermal titration calorimetric study. <i>Journal of Biological Chemistry</i> , 2005 , 280, 21726-30	5.4	52
30	Effect of Diabecon on sugar-induced lens opacity in organ culture: mechanism of action. <i>Journal of Ethnopharmacology</i> , 2005 , 97, 397-403	5	28
29	Elevated expression of alphaA- and alphaB-crystallins in streptozotocin-induced diabetic rat. <i>Archives of Biochemistry and Biophysics</i> , 2005 , 444, 77-83	4.1	87
28	Alphab-crystallin-assisted reactivation of glucose-6-phosphate dehydrogenase upon refolding. <i>Biochemical Journal</i> , 2005 , 391, 335-41	3.8	28
27	Modulation of alpha-crystallin chaperone activity in diabetic rat lens by curcumin. <i>Molecular Vision</i> , 2005 , 11, 561-8	2.3	51
26	Enhanced degradation and decreased stability of eye lens alpha-crystallin upon methylglyoxal modification. <i>Experimental Eye Research</i> , 2004 , 79, 577-83	3.7	48
25	Effect of dicarbonyl-induced browning on alpha-crystallin chaperone-like activity: physiological significance and caveats of in vitro aggregation assays. <i>Biochemical Journal</i> , 2004 , 379, 273-82	3.8	100
24	Inhibition of aldose reductase by tannoid principles of Emblica officinalis: implications for the prevention of sugar cataract. <i>Molecular Vision</i> , 2004 , 10, 148-54	2.3	79

23	Antioxidant defense system and lipid peroxidation in patients with skeletal fluorosis and in fluoride-intoxicated rabbits. <i>Toxicological Sciences</i> , 2003 , 72, 363-8	4.4	71
22	Effect of curcumin on galactose-induced cataractogenesis in rats. <i>Molecular Vision</i> , 2003 , 9, 223-30	2.3	66
21	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> , 2002 , 41, 9256-63	3.2	44
20	Inhibition of transthyretin amyloid fibril formation by 2,4-dinitrophenol through tetramer stabilization. <i>Archives of Biochemistry and Biophysics</i> , 2002 , 400, 43-7	4.1	36
19	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> , 2002 , 522, 59-64	3.8	21
18	Crystal structure of the jacalin-T-antigen complex and a comparative study of lectin-T-antigen complexes. <i>Journal of Molecular Biology</i> , 2002 , 321, 637-45	6.5	62
17	Effect of long-term dietary manipulation on the aggregation of rat lens crystallins: role of alpha-crystallin chaperone function. <i>Molecular Vision</i> , 2002 , 8, 298-305	2.3	19
16	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> , 2001 , 57, 1584-94		13
15	Reduced levels of rat lens antioxidant vitamins upon in vitro UVB irradiation. <i>Journal of Nutritional Biochemistry</i> , 2001 , 12, 121-124	6.3	9
14	alphaA- and alphaB-crystallins protect glucose-6-phosphate dehydrogenase against UVB irradiation-induced inactivation. <i>Biochemical and Biophysical Research Communications</i> , 2001 , 282, 712-6	3.4	25
13	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> , 2001 , 1527, 102-11	4	65
12	Temperature-dependent chaperone activity and structural properties of human alphaA- and alphaB-crystallins. <i>Journal of Biological Chemistry</i> , 2000 , 275, 4565-70	5.4	142
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