

Toshimichi Shinohara

List of Publications by Year in descending order

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70
papers

2,889
citations

156536

32
h-index

198040

52
g-index

71
all docs

71
docs citations

71
times ranked

2282
citing authors

#	ARTICLE	IF	CITATIONS
1	Age-related cataracts: Role of unfolded protein response, Ca ²⁺ mobilization, epigenetic DNA modifications, and loss of Nrf2/Keap1 dependent cytoprotection. <i>Progress in Retinal and Eye Research</i> , 2017, 60, 1-19.	7.3	100
2	Valproic acid suppresses Nrf2/Keap1 dependent antioxidant protection through induction of endoplasmic reticulum stress and Keap1 promoter DNA demethylation in human lens epithelial cells. <i>Experimental Eye Research</i> , 2014, 121, 26-34.	1.2	59
3	Methylglyoxal induces endoplasmic reticulum stress and DNA demethylation in the Keap1 promoter of human lens epithelial cells and age-related cataracts. <i>Free Radical Biology and Medicine</i> , 2014, 72, 134-148.	1.3	73
4	Selenite cataracts: Activation of endoplasmic reticulum stress and loss of Nrf2/Keap1-dependent stress protection. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2014, 1842, 1794-1805.	1.8	49
5	Biosynthesis, Characterization, and Efficacy in Retinal Degenerative Diseases of Lens Epithelium-derived Growth Factor Fragment (LEDGF1-326), a Novel Therapeutic Protein. <i>Journal of Biological Chemistry</i> , 2013, 288, 17372-17383.	1.6	4
6	Age-related cataracts: Homocysteine coupled endoplasmic reticulum stress and suppression of Nrf2-dependent antioxidant protection. <i>Chemico-Biological Interactions</i> , 2012, 200, 1-10.	1.7	53
7	Promoter demethylation of Keap1 gene in human diabetic cataractous lenses. <i>Biochemical and Biophysical Research Communications</i> , 2012, 423, 542-548.	1.0	52
8	Endoplasmic reticulum stress associated retinal photoreceptor cell death in the transgenic mutant rhodopsin S334ter-3 rats. <i>Biomedicine and Aging Pathology</i> , 2012, 2, 143-150.	0.8	1
9	Cholesterol-derived bile acids enhance the chaperone activity of α -crystallins. <i>Cell Stress and Chaperones</i> , 2011, 16, 475-480.	1.2	15
10	LEDGF1-326 Decreases P23H and Wild Type Rhodopsin Aggregates and P23H Rhodopsin Mediated Cell Damage in Human Retinal Pigment Epithelial Cells. <i>PLoS ONE</i> , 2011, 6, e24616.	1.1	7
11	Silencing gene therapy for mutant membrane, secretory, and lipid proteins in retinitis pigmentosa (RP). <i>Medical Hypotheses</i> , 2008, 70, 378-380.	0.8	12
12	Cataract: Window for systemic disorders. <i>Medical Hypotheses</i> , 2007, 69, 669-677.	0.8	12
13	LEDGF/DFS70, a Major Autoantigen of Atopic Dermatitis, Is a Component of Keratohyalin Granules. <i>Journal of Investigative Dermatology</i> , 2007, 127, 75-80.	0.3	34
14	Cellular osmolytes reduce lens epithelial cell death and alleviate cataract formation in galactosemic rats. <i>Molecular Vision</i> , 2007, 13, 1397-405.	1.1	44
15	Induction of Endoplasmic Reticulum Stress in Retinal Pericytes by Glucose Deprivation. <i>Current Eye Research</i> , 2006, 31, 947-953.	0.7	74
16	Role of the unfolded protein response (UPR) in cataract formation. <i>Experimental Eye Research</i> , 2006, 83, 508-516.	1.2	77
17	Cataracts: Role of the unfolded protein response. <i>Medical Hypotheses</i> , 2006, 66, 365-370.	0.8	22
18	The Unfolded Protein Response in Lens Epithelial Cells from Galactosemic Rat Lenses. , 2006, 47, 3951.		116

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19	LEDGF regulation of alcohol and aldehyde dehydrogenases in lens epithelial cells: stimulation of retinoic acid production and protection from ethanol toxicity. <i>American Journal of Physiology - Cell Physiology</i> , 2004, 287, C508-C516.	2.1	25
20	Cellular distribution of lens epithelium-derived growth factor (LEDGF) in the rat eye: loss of LEDGF from nuclei of differentiating cells. <i>Histochemistry and Cell Biology</i> , 2003, 119, 289-299.	0.8	28
21	Lens epithelium-derived growth factor: neuroprotection on rat retinal damage induced by N-methyl-d-aspartate. <i>Brain Research</i> , 2003, 991, 163-170.	1.1	13
22	LEDGF activation of PKC δ and gap junction disassembly in lens epithelial cells. <i>Experimental Eye Research</i> , 2003, 76, 565-572.	1.2	25
23	Lens Epithelium-derived Growth Factor Relieves Transforming Growth Factor- β 1-induced Transcription Repression of Heat Shock Proteins in Human Lens Epithelial Cells. <i>Journal of Biological Chemistry</i> , 2003, 278, 20037-20046.	1.6	33
24	Detection of Cytotoxic Anti-LEDGF Autoantibodies in Atopic Dermatitis. <i>Autoimmunity</i> , 2002, 35, 319-327.	1.2	57
25	LEDGF, a survival factor, activates stress-related genes. <i>Progress in Retinal and Eye Research</i> , 2002, 21, 341-358.	7.3	151
26	LEDGF Binds to Heat Shock and Stress-Related Element to Activate the Expression of Stress-Related Genes. <i>Biochemical and Biophysical Research Communications</i> , 2001, 283, 943-955.	1.0	115
27	Spatial and temporal dynamics of two alternatively spliced regulatory factors, lens epithelium-derived growth factor (ledgf/p75) and p52, in the nucleus. <i>Cell and Tissue Research</i> , 2001, 305, 107-114.	1.5	70
28	Humoral immune response directed against LEDGF in patients with VKH. <i>Immunology Letters</i> , 2001, 78, 161-168.	1.1	64
29	Transcriptional Regulation of the Antioxidant Protein 2 Gene, a Thiol-specific Antioxidant, by Lens Epithelium-derived Growth Factor to Protect Cells from Oxidative Stress. <i>Journal of Biological Chemistry</i> , 2001, 276, 48899-48907.	1.6	120
30	Both PCE-1/RX and OTX/CRX Interactions Are Necessary for Photoreceptor-specific Gene Expression. <i>Journal of Biological Chemistry</i> , 2000, 275, 1152-1160.	1.6	127
31	Lens Epithelium-Derived Growth Factor: Effects on Growth and Survival of Lens Epithelial Cells, Keratinocytes, and Fibroblasts. <i>Biochemical and Biophysical Research Communications</i> , 2000, 267, 373-381.	1.0	124
32	Activation of LEDGF Gene by Thermal- and Oxidative-Stresses. <i>Biochemical and Biophysical Research Communications</i> , 2000, 276, 1320-1324.	1.0	59
33	Lens epithelium-derived growth factor (LEDGF/p75) and p52 are derived from a single gene by alternative splicing. <i>Gene</i> , 2000, 242, 265-273.	1.0	91
34	Review: Age-Related Cataract: Immunity and Lens Epithelium-Derived Growth Factor (LEDGF). <i>Journal of Ocular Pharmacology and Therapeutics</i> , 2000, 16, 181-191.	0.6	44
35	Antibodies to Lens Epithelium-Derived Growth Factor (LEDGF) Kill Epithelial Cells of Whole Lenses in Organ Culture. <i>Experimental Eye Research</i> , 1999, 69, 139-142.	1.2	11
36	Antibodies to a Microbial Peptide Sharing Sequence Homology with β -Crystallin Damage Lens Epithelial Cells <i>in vitro</i> and <i>in vivo</i> . <i>Autoimmunity</i> , 1999, 29, 311-322.	1.2	4

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37	Cloning, High Level-expression and Characterization of Human Lens Thioltransferase. <i>Experimental Eye Research</i> , 1998, 66, 465-475.	1.2	2
38	Anti- β -crystallin Antibodies (Mouse) or Sera from Humans with Age-related Cataract are Cytotoxic for Lens Epithelial Cells in Culture. <i>Experimental Eye Research</i> , 1997, 64, 229-238.	1.2	23
39	Oral Administration of Lens Homogenate Suppresses Antibody Production in Mice Injected with β -crystallin Emulsified in CFA. <i>Experimental Eye Research</i> , 1997, 64, 379-385.	1.2	4
40	Arrestin and phosducin are expressed in a small number of brain cells. <i>Molecular Brain Research</i> , 1997, 52, 112-120.	2.5	19
41	Porcine S-Antigen: cDNA Sequence and Expression in Retina, Ciliary Epithelium and Iris. <i>Experimental Eye Research</i> , 1996, 62, 299-308.	1.2	9
42	Cone cells fail to develop normally in transgenic mice showing ablation of rod photoreceptor cells. <i>Cell and Tissue Research</i> , 1994, 275, 79-90.	1.5	15
43	Corticosteroids Enhance S-Antigen Expression in Nonretinal Ocular Tissues of Rats with Experimental Autoimmune Uveitis. <i>Experimental and Molecular Pathology</i> , 1994, 60, 27-38.	0.9	5
44	The Sequence of the Human Phosducin Gene (PDC) and Its 5' Flanking Region. <i>Genomics</i> , 1994, 19, 369-372.	1.3	12
45	Immunization with Recombinant Escherichia coli Expressing Retinal S-Antigen-Induced Experimental Autoimmune Uveitis (EAU) in Lewis Rats. <i>Cellular Immunology</i> , 1993, 147, 203-214.	1.4	3
46	Oligopeptides of Three to Five Residues Derived from Uveitopathogenic Sites of Retinal S-Antigen Induce Experimental Autoimmune Uveitis (EAU) in Lewis Rats. <i>Cellular Immunology</i> , 1993, 148, 198-207.	1.4	5
47	Transcription factor IID probes localize a single gene to the proximal region of mouse chromosome 17. <i>Gene</i> , 1993, 130, 283-286.	1.0	1
48	Developmental expression of S-antigen in fetal human and rat eye. <i>Current Eye Research</i> , 1992, 11, 219-229.	0.7	11
49	Enhancement of S-antigen and its mRNA in the irides of uveitic patients. <i>Journal of Autoimmunity</i> , 1992, 5, 719-732.	3.0	3
50	A family of retinal S-antigens (arrestins) and their genes: comparative analysis of human, mouse, rat, bovine and Drosophila. <i>Comparative Biochemistry and Physiology Part B: Comparative Biochemistry</i> , 1992, 103, 505-509.	0.2	5
51	Suppression of experimental autoimmune uveitis in rats by the oral administration of the uveitopathogenic S-antigen fragment or a cross-reactive homologous peptide. <i>Cellular Immunology</i> , 1992, 139, 81-90.	1.4	38
52	The mouse S-antigen gene. Comparison with human and Drosophila. <i>FEBS Journal</i> , 1991, 200, 95-101.	0.2	14
53	Photoneural Control of the Synthesis and Phosphorylation of Pineal MEKA (Phosducin). <i>Endocrinology</i> , 1991, 129, 3289-3298.	1.4	22
54	Assignment of the S-antigen gene (SAG) to human chromosome 2q24. <i>Genomics</i> , 1990, 7, 84-87.	1.3	25

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55	S-antigen: From gene to autoimmune uveitis. <i>Experimental Eye Research</i> , 1990, 50, 751-757.	1.2	34
56	S-Antigen from the rat retina and pineal gland have identical sequences. <i>Experimental Eye Research</i> , 1990, 51, 111-112.	1.2	32
57	Uveitopathogenic Sites in Bovine S-Antigen. <i>Autoimmunity</i> , 1989, 3, 177-187.	1.2	11
58	Molecular mimicry between uveitopathogenic site of retinal S-antigen and Escherichia coli protein: Induction of experimental autoimmune uveitis and lymphocyte cross-reaction. <i>Cellular Immunology</i> , 1989, 122, 262-273.	1.4	49
59	Sequence homology between yeast histone H3 and uveitopathogenic site of S-antigen: Lymphocyte cross-reaction and adoptive transfer of the disease. <i>Cellular Immunology</i> , 1989, 119, 211-221.	1.4	19
60	Scale-up methodology for the preparative purification of peptide M. <i>Journal of Chromatography A</i> , 1988, 459, 361-367.	1.8	4
61	Identification of a uveitopathogenic and lymphocyte proliferation site in bovine S-antigen. <i>Cellular Immunology</i> , 1988, 115, 413-419.	1.4	37
62	The sequence of human retinal S-antigen reveals similarities with $\hat{I}\pm$ -transducin. <i>FEBS Letters</i> , 1988, 234, 39-43.	1.3	87
63	S-antigen: experimental autoimmune uveitis induced in guinea pigs with two synthetic peptides. <i>Current Eye Research</i> , 1988, 7, 87-92.	0.7	19
64	S-antigen: Characterization of a pathogenic epitope which mediates experimental autoimmune uveitis and pinealitis in Lewis rats. <i>Current Eye Research</i> , 1987, 6, 1151-1159.	0.7	77
65	Sequence analysis of bovine retinal S-antigen. <i>FEBS Letters</i> , 1986, 196, 23-28.	1.3	89
66	Retinal photoreceptor neurons and pinealocytes accumulate mRNA for interphotoreceptor retinoid-binding protein (IRBP). <i>FEBS Letters</i> , 1986, 208, 133-137.	1.3	101
67	S-antigen: identification of the MAbA9-C6 monoclonal antibody binding site and the uveitopathogenic sites. <i>Current Eye Research</i> , 1986, 5, 995-1004.	0.7	74
68	Analysis of the mouse \hat{I}^3 -crystallin gene family: assignment of multiple cDNAs to discrete genomic sequences and characterization of a representative gene. <i>Nucleic Acids Research</i> , 1984, 12, 4517-4529.	6.5	69
69	Crystallin Genes: Templates for Lens Transparency. <i>Novartis Foundation Symposium</i> , 1984, 106, 191-207.	1.2	5
70	A molecular genetic approach to vision research: Crystallin gene expression in the lens. <i>Ophthalmic Paediatrics and Genetics</i> , 1983, 3, 61-72.	0.4	1