

Toshimichi Shinohara

List of Publications by Year in descending order

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70
papers

2,889
citations

136940

32
h-index

175241

52
g-index

71
all docs

71
docs citations

71
times ranked

2082
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.	15.5	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.	2.6	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.	2.9	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.	3.8	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.	3.4	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.	4.0	53
7	Promoter demethylation of Keap1 gene in human diabetic cataractous lenses. <i>Biochemical and Biophysical Research Communications</i> , 2012, 423, 542-548.	2.1	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.	2.9	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.	2.5	7
11	Silencing gene therapy for mutant membrane, secretory, and lipid proteins in retinitis pigmentosa (RP). <i>Medical Hypotheses</i> , 2008, 70, 378-380.	1.5	12
12	Cataract: Window for systemic disorders. <i>Medical Hypotheses</i> , 2007, 69, 669-677.	1.5	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.	0.7	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.	1.5	74
16	Role of the unfolded protein response (UPR) in cataract formation. <i>Experimental Eye Research</i> , 2006, 83, 508-516.	2.6	77
17	Cataracts: Role of the unfolded protein response. <i>Medical Hypotheses</i> , 2006, 66, 365-370.	1.5	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. American Journal of Physiology - Cell Physiology, 2004, 287, C508-C516.	4.6	25
20	Cellular distribution of lens epithelium-derived growth factor (LEDGF) in the rat eye: loss of LEDGF from nuclei of differentiating cells. Histochemistry and Cell Biology, 2003, 119, 289-299.	1.7	28
21	Lens epithelium-derived growth factor: neuroprotection on rat retinal damage induced by N-methyl-d-aspartate. Brain Research, 2003, 991, 163-170.	2.2	13
22	LEDGF activation of PKC δ and gap junction disassembly in lens epithelial cells. Experimental Eye Research, 2003, 76, 565-572.	2.6	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. Journal of Biological Chemistry, 2003, 278, 20037-20046.	3.4	33
24	Detection of Cytotoxic Anti-LEDGF Autoantibodies in Atopic Dermatitis. Autoimmunity, 2002, 35, 319-327.	2.6	57
25	LEDGF, a survival factor, activates stress-related genes. Progress in Retinal and Eye Research, 2002, 21, 341-358.	15.5	151
26	LEDGF Binds to Heat Shock and Stress-Related Element to Activate the Expression of Stress-Related Genes. Biochemical and Biophysical Research Communications, 2001, 283, 943-955.	2.1	115
27	Spatial and temporal dynamics of two alternatively spliced regulatory factors, lens epithelium-derived growth factor (ledgf/p75) and p52, in the nucleus. Cell and Tissue Research, 2001, 305, 107-114.	2.9	70
28	Humoral immune response directed against LEDGF in patients with VKH. Immunology Letters, 2001, 78, 161-168.	2.5	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. Journal of Biological Chemistry, 2001, 276, 48899-48907.	3.4	120
30	Both PCE-1/RX and OTX/CRX Interactions Are Necessary for Photoreceptor-specific Gene Expression. Journal of Biological Chemistry, 2000, 275, 1152-1160.	3.4	127
31	Lens Epithelium-Derived Growth Factor: Effects on Growth and Survival of Lens Epithelial Cells, Keratinocytes, and Fibroblasts. Biochemical and Biophysical Research Communications, 2000, 267, 373-381.	2.1	124
32	Activation of LEDGF Gene by Thermal- and Oxidative-Stresses. Biochemical and Biophysical Research Communications, 2000, 276, 1320-1324.	2.1	59
33	Lens epithelium-derived growth factor (LEDGF/p75) and p52 are derived from a single gene by alternative splicing. Gene, 2000, 242, 265-273.	2.2	91
34	Review: Age-Related Cataract: Immunity and Lens Epithelium-Derived Growth Factor (LEDGF). Journal of Ocular Pharmacology and Therapeutics, 2000, 16, 181-191.	1.4	44
35	Antibodies to Lens Epithelium-Derived Growth Factor (LEDGF) Kill Epithelial Cells of Whole Lenses in Organ Culture. Experimental Eye Research, 1999, 69, 139-142.	2.6	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> . Autoimmunity, 1999, 29, 311-322.	2.6	4

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37	Cloning, High Level-expression and Characterization of Human Lens Thioltransferase. Experimental Eye Research, 1998, 66, 465-475.	2.6	2
38	Anti-Î²-crystallin Antibodies (Mouse) or Sera from Humans with Age-related Cataract are Cytotoxic for Lens Epithelial Cells in Culture. Experimental Eye Research, 1997, 64, 229-238.	2.6	23
39	Oral Administration of Lens Homogenate Suppresses Antibody Production in Mice Injected with Î²-crystallin Emulsified in CFA. Experimental Eye Research, 1997, 64, 379-385.	2.6	4
40	Arrestin and phosducin are expressed in a small number of brain cells. Molecular Brain Research, 1997, 52, 112-120.	2.3	19
41	Porcine S-Antigen: cDNA Sequence and Expression in Retina, Ciliary Epithelium and Iris. Experimental Eye Research, 1996, 62, 299-308.	2.6	9
42	Cone cells fail to develop normally in transgenic mice showing ablation of rod photoreceptor cells. Cell and Tissue Research, 1994, 275, 79-90.	2.9	15
43	Corticosteroids Enhance S-Antigen Expression in Nonretinal Ocular Tissues of Rats with Experimental Autoimmune Uveitis. Experimental and Molecular Pathology, 1994, 60, 27-38.	2.1	5
44	The Sequence of the Human Phosducin Gene (PDC) and Its 5' Flanking Region. Genomics, 1994, 19, 369-372.	2.9	12
45	Immunization with Recombinant Escherichia coli Expressing Retinal S-Antigen-Induced Experimental Autoimmune Uveitis (EAU) in Lewis Rats. Cellular Immunology, 1993, 147, 203-214.	3.0	3
46	Oligopeptides of Three to Five Residues Derived from Uveitopathogenic Sites of Retinal S-Antigen Induce Experimental Autoimmune Uveitis (EAU) in Lewis Rats. Cellular Immunology, 1993, 148, 198-207.	3.0	5
47	Transcription factor IID probes localize a single gene to the proximal region of mouse chromosome 17. Gene, 1993, 130, 283-286.	2.2	1
48	Developmental expression of S-antigen in fetal human and rat eye. Current Eye Research, 1992, 11, 219-229.	1.5	11
49	Enhancement of S-antigen and its mRNA in the irides of uveitic patients. Journal of Autoimmunity, 1992, 5, 719-732.	6.5	3
50	A family of retinal S-antigens (arrestins) and their genes: comparative analysis of human, mouse, rat, bovine and Drosophila. Comparative Biochemistry and Physiology Part B: Comparative Biochemistry, 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. Cellular Immunology, 1992, 139, 81-90.	3.0	38
52	The mouse S-antigen gene. Comparison with human and Drosophila. FEBS Journal, 1991, 200, 95-101.	0.2	14
53	Photoneural Control of the Synthesis and Phosphorylation of Pineal MEKA (Phosducin). Endocrinology, 1991, 129, 3289-3298.	2.8	22
54	Assignment of the S-antigen gene (SAG) to human chromosome 2q24-q37. Genomics, 1990, 7, 84-87.	2.9	25

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55	S-antigen: From gene to autoimmune uveitis. <i>Experimental Eye Research</i> , 1990, 50, 751-757.	2.6	34
56	S-Antigen from the rat retina and pineal gland have identical sequences. <i>Experimental Eye Research</i> , 1990, 51, 111-112.	2.6	32
57	Uveitopathogenic Sites in Bovine S-Antigen. <i>Autoimmunity</i> , 1989, 3, 177-187.	2.6	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.	3.0	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.	3.0	19
60	Scale-up methodology for the preparative purification of peptide M. <i>Journal of Chromatography A</i> , 1988, 459, 361-367.	3.7	4
61	Identification of a uveitopathogenic and lymphocyte proliferation site in bovine S-antigen. <i>Cellular Immunology</i> , 1988, 115, 413-419.	3.0	37
62	The sequence of human retinal S-antigen reveals similarities with β -transducin. <i>FEBS Letters</i> , 1988, 234, 39-43.	2.8	87
63	S-antigen: experimental autoimmune uveitis induced in guinea pigs with two synthetic peptides. <i>Current Eye Research</i> , 1988, 7, 87-92.	1.5	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.	1.5	77
65	Sequence analysis of bovine retinal S-antigen. <i>FEBS Letters</i> , 1986, 196, 23-28.	2.8	89
66	Retinal photoreceptor neurons and pinealocytes accumulate mRNA for interphotoreceptor retinoid-binding protein (IRBP). <i>FEBS Letters</i> , 1986, 208, 133-137.	2.8	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.	1.5	74
68	Analysis of the mouse β -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.	14.5	69
69	Crystallin Genes: Templates for Lens Transparency. <i>Novartis Foundation Symposium</i> , 1984, 106, 191-207.	1.1	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