Seung-Il Choi

List of Publications by Year
in descending order

41 papers	5,895 citations	361413 20 h-index	315739 38 g-index
42 all docs	42 docs citations	42 times ranked	14757 citing authors

#	Article	IF	Citations
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). Autophagy, 2016, 12, 1-222.	9.1	4,701
2	Mitochondrial dysfunction induced by oxidative stress in the brains of hamsters infected with the 263 K scrapie agent. Acta Neuropathologica, 1998, 96, 279-286.	7.7	136
3	Pathogenesis and treatments of TGFBI corneal dystrophies. Progress in Retinal and Eye Research, 2016, 50, 67-88.	15.5	84
4	Decreased Catalase Expression and Increased Susceptibility to Oxidative Stress in Primary Cultured Corneal Fibroblasts from Patients with Granular Corneal Dystrophy Type II. American Journal of Pathology, 2009, 175, 248-261.	3.8	74
5	Melatonin induces autophagy via an <scp>mTOR</scp>â€dependent pathway and enhances clearance of mutantâ€TGFBIp. Journal of Pineal Research, 2013, 54, 361-372.	7.4	63
6	Impaired autophagy and delayed autophagic clearance of transforming growth factor Î²-induced protein (TGFBI) in granular corneal dystrophy type 2. Autophagy, 2012, 8, 1782-1797.	9.1	54
7	Oxidative Stress and Neurodegeneration in Prion Diseases. Annals of the New York Academy of Sciences, 2001, 928, 182-186.	3.8	52
8	Corneal Dystrophy-associated R124H Mutation Disrupts TGFBI Interaction with Periostin and Causes Mislocalization to the Lysosome. Journal of Biological Chemistry, 2009, 284, 19580-19591.	3.4	52
9	The pathogenic mechanisms of prion diseases. Mechanisms of Ageing and Development, 2002, 123, 1637-1647.	4.6	49
10	Melatonin protects against oxidative stress in granular corneal dystrophy type 2 corneal fibroblasts by mechanisms that involve membrane melatonin receptors. Journal of Pineal Research, 2011, 51, 94-103.	7.4	49
11	Lithium inhibits tumor lymphangiogenesis and metastasis through the inhibition of TGFBIp expression in cancer cells. Scientific Reports, 2016, 6, 20739.	3.3	40
12	Inhibition of TGFBIp Expression by Lithium: Implications forTGFBI-Linked Corneal Dystrophy Therapy. , 2011, 52, 3293.		37
13	Differential expression of Bax and Bcl-2 in the brains of hamsters infected with 263K scrapie agent. NeuroReport, 2000, 11, 1677-1682.	1.2	36
14	Lysosomal Trafficking of TGFBIp via Caveolae-Mediated Endocytosis. PLoS ONE, 2015, 10, e0119561.	2.5	32
15	Altered Mitochondrial Function in Type 2 Granular Corneal Dystrophy. American Journal of Pathology, 2011, 179, 684-692.	3.8	31
16	Clinical Findings and Treatments of Granular Corneal Dystrophy Type 2 (Avellino Corneal Dystrophy): A Review of the Literature. Eye and Contact Lens, 2010, 36, 296-299.	1.6	27
17	Mitomycin C Does Not Inhibit Exacerbation of Granular Corneal Dystrophy Type II Induced by Refractive Surface Ablation. Cornea, 2010, 29, 490-496.	1.7	25
18	Autophagy is induced by raptor degradation via the ubiquitin/proteasome system in granular corneal dystrophy type 2. Biochemical and Biophysical Research Communications, 2014, 450, 1505-1511.	2.1	25

#	Article	IF	Citations
19	Mitomycin C induces apoptosis in cultured corneal fibroblasts derived from type II granular corneal dystrophy corneas. Molecular Vision, 2008, 14, 1222-8.	1.1	22
20	A NovelBEST1Mutation in Autosomal Recessive Bestrophinopathy. , 2015, 56, 8141.		21
21	TGF-Î² regulates TGFBIp expression in corneal fibroblasts via miR-21, miR-181a, and Smad signaling. Biochemical and Biophysical Research Communications, 2016, 472, 150-155.	2.1	21
22	Cyclosporine A Induces Apoptotic and Autophagic Cell Death in Rat Pituitary GH3 Cells. PLoS ONE, 2014, 9, e108981.	2.5	21
23	Melatonin prevents nitric oxide-induced apoptosis by increasing the interaction between 14-3-3? and p-Bad in SK-N-MC cells. Journal of Pineal Research, 2007, 44, 070920204811003-???.	7.4	20
24	Adult-Onset Vitelliform Macular Dystrophy caused by BEST1 p.Ile38Ser Mutation is a Mild Form of Best Vitelliform Macular Dystrophy. Scientific Reports, 2017, 7, 9146.	3.3	20
25	Melatonin reduces endoplasmic reticulum stress and corneal dystrophyâ€associated <scp>TGFBI</scp>p through activation of endoplasmic reticulumâ€associated protein degradation. Journal of Pineal Research, 2017, 63, e12426.	7.4	20
26	Inhibition of TGFBIp expression reduces lymphangiogenesis and tumor metastasis. Oncogene, 2016, 35, 196-205.	5.9	19
27	Extremely varied phenotypes in granular corneal dystrophy type 2 heterozygotes. Molecular Vision, 2012, 18, 1755-62.	1.1	19
28	APP processing and metabolism in corneal fibroblasts and epithelium as a potential biomarker for Alzheimer's disease. Experimental Eye Research, 2019, 182, 167-174.	2.6	17
29	Involvement of TGF-Î² Receptorâ€“ and Integrin-Mediated Signaling Pathways in the Pathogenesis of Granular Corneal Dystrophy II. , 2010, 51, 1832.		16
30	Role of TGFBIp in Wound Healing and Mucin Expression in Corneal Epithelial Cells. Yonsei Medical Journal, 2017, 58, 423.	2.2	15
31	4-Phenylbutyric acid reduces mutant-TGFBIp levels and ER stress through activation of ERAD pathway in corneal fibroblasts of granular corneal dystrophy type 2. Biochemical and Biophysical Research Communications, 2016, 477, 841-846.	2.1	14
32	Autophagy in granular corneal dystrophy type 2. Experimental Eye Research, 2016, 144, 14-21.	2.6	13
33	Disrupted cell cycle arrest and reduced proliferation in corneal fibroblasts from GCD2 patients: A potential role for altered autophagy flux. Biochemical and Biophysical Research Communications, 2015, 456, 288-293.	2.1	12
34	Lysosomal dysfunction of corneal fibroblasts underlies the pathogenesis of Granular Corneal Dystrophy Type 2 and can be rescued by TFEB. Journal of Cellular and Molecular Medicine, 2020, 24, 10343-10355.	3.6	12
35	Histone methylation levels correlate with TGFBIp and extracellular matrix gene expression in normal and granular corneal dystrophy type 2 corneal fibroblasts. BMC Medical Genomics, 2015, 8, 74.	1.5	10
36	Toll-like receptor 4 initiates an innate immune response to lipopolysaccharide in human conjunctival epithelial cells. Experimental Eye Research, 2009, 88, 49-56.	2.6	8

#	Article	IF	Citations
37	Uptake of cell debris and enhanced expression of inflammatory factors in response to dead cells in corneal fibroblast cells. Experimental Eye Research, 2020, 194, 108017.	2.6	8
38	Inhibitory Effect of Tranilast on Transforming Growth Factor-Beta-Induced Protein in Granular Corneal Dystrophy Type 2 Corneal Fibroblasts. Cornea, 2015, 34, 950-958.	1.7	6
39	Compound heterozygous mutations in TGFBI cause a severe phenotype of granular corneal dystrophy type 2. Scientific Reports, 2021, 11, 6986.	3.3	5
40	Molecular Pathogenesis of Corneal Dystrophies. Progress in Molecular Biology and Translational Science, 2015, 134, 99-115.	1.7	4
41	Granular Corneal Dystrophy Type 2: Prevalence in South Korea, Molecular Pathogenesis, and Therapeutic Approaches. Essentials in Ophthalmology, 2019, , 449-460.	0.1	0