

Seung-Il Choi

List of Publications by Year in descending order

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Version: 2024-02-01

41
papers

5,895
citations

361045

20
h-index

315357

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). <i>Autophagy</i> , 2016, 12, 1-222.	4.3	4,701
2	Mitochondrial dysfunction induced by oxidative stress in the brains of hamsters infected with the 263 K scrapie agent. <i>Acta Neuropathologica</i> , 1998, 96, 279-286.	3.9	136
3	Pathogenesis and treatments of TGFBI corneal dystrophies. <i>Progress in Retinal and Eye Research</i> , 2016, 50, 67-88.	7.3	84
4	Decreased Catalase Expression and Increased Susceptibility to Oxidative Stress in Primary Cultured Corneal Fibroblasts from Patients with Granular Corneal Dystrophy Type II. <i>American Journal of Pathology</i> , 2009, 175, 248-261.	1.9	74
5	Melatonin induces autophagy via an mTOR-dependent pathway and enhances clearance of mutant TGFBIp. <i>Journal of Pineal Research</i> , 2013, 54, 361-372.	3.4	63
6	Impaired autophagy and delayed autophagic clearance of transforming growth factor β -induced protein (TGFBI) in granular corneal dystrophy type 2. <i>Autophagy</i> , 2012, 8, 1782-1797.	4.3	54
7	Oxidative Stress and Neurodegeneration in Prion Diseases. <i>Annals of the New York Academy of Sciences</i> , 2001, 928, 182-186.	1.8	52
8	Corneal Dystrophy-associated R124H Mutation Disrupts TGFBI Interaction with Periostin and Causes Mislocalization to the Lysosome. <i>Journal of Biological Chemistry</i> , 2009, 284, 19580-19591.	1.6	52
9	The pathogenic mechanisms of prion diseases. <i>Mechanisms of Ageing and Development</i> , 2002, 123, 1637-1647.	2.2	49
10	Melatonin protects against oxidative stress in granular corneal dystrophy type 2 corneal fibroblasts by mechanisms that involve membrane melatonin receptors. <i>Journal of Pineal Research</i> , 2011, 51, 94-103.	3.4	49
11	Lithium inhibits tumor lymphangiogenesis and metastasis through the inhibition of TGFBIp expression in cancer cells. <i>Scientific Reports</i> , 2016, 6, 20739.	1.6	40
12	Inhibition of TGFBIp Expression by Lithium: Implications for TGFBI-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. <i>NeuroReport</i> , 2000, 11, 1677-1682.	0.6	36
14	Lysosomal Trafficking of TGFBIp via Caveolae-Mediated Endocytosis. <i>PLoS ONE</i> , 2015, 10, e0119561.	1.1	32
15	Altered Mitochondrial Function in Type 2 Granular Corneal Dystrophy. <i>American Journal of Pathology</i> , 2011, 179, 684-692.	1.9	31
16	Clinical Findings and Treatments of Granular Corneal Dystrophy Type 2 (Avellino Corneal Dystrophy): A Review of the Literature. <i>Eye and Contact Lens</i> , 2010, 36, 296-299.	0.8	27
17	Mitomycin C Does Not Inhibit Exacerbation of Granular Corneal Dystrophy Type II Induced by Refractive Surface Ablation. <i>Cornea</i> , 2010, 29, 490-496.	0.9	25
18	Autophagy is induced by raptor degradation via the ubiquitin/proteasome system in granular corneal dystrophy type 2. <i>Biochemical and Biophysical Research Communications</i> , 2014, 450, 1505-1511.	1.0	25

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19	Mitomycin C induces apoptosis in cultured corneal fibroblasts derived from type II granular corneal dystrophy corneas. <i>Molecular Vision</i> , 2008, 14, 1222-8.	1.1	22
20	A Novel <i>BEST1</i> Mutation in Autosomal Recessive Bestrophinopathy. , 2015, 56, 8141.		21
21	TGF- β 2 regulates TGF β 1 expression in corneal fibroblasts via miR-21, miR-181a, and Smad signaling. <i>Biochemical and Biophysical Research Communications</i> , 2016, 472, 150-155.	1.0	21
22	Cyclosporine A Induces Apoptotic and Autophagic Cell Death in Rat Pituitary GH3 Cells. <i>PLoS ONE</i> , 2014, 9, e108981.	1.1	21
23	Melatonin prevents nitric oxide-induced apoptosis by increasing the interaction between 14-3-3 γ and p-Bad in SK-N-MC cells. <i>Journal of Pineal Research</i> , 2007, 44, 070920204811003-???	3.4	20
24	Adult-Onset Vitelliform Macular Dystrophy caused by <i>BEST1</i> p.Ile38Ser Mutation is a Mild Form of Best Vitelliform Macular Dystrophy. <i>Scientific Reports</i> , 2017, 7, 9146.	1.6	20
25	Melatonin reduces endoplasmic reticulum stress and corneal dystrophy-associated TGF β 1 through activation of endoplasmic reticulum-associated protein degradation. <i>Journal of Pineal Research</i> , 2017, 63, e12426.	3.4	20
26	Inhibition of TGF β 1 expression reduces lymphangiogenesis and tumor metastasis. <i>Oncogene</i> , 2016, 35, 196-205.	2.6	19
27	Extremely varied phenotypes in granular corneal dystrophy type 2 heterozygotes. <i>Molecular Vision</i> , 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. <i>Experimental Eye Research</i> , 2019, 182, 167-174.	1.2	17
29	Involvement of TGF- β 2 Receptor and Integrin-Mediated Signaling Pathways in the Pathogenesis of Granular Corneal Dystrophy II. , 2010, 51, 1832.		16
30	Role of TGF β 1 in Wound Healing and Mucin Expression in Corneal Epithelial Cells. <i>Yonsei Medical Journal</i> , 2017, 58, 423.	0.9	15
31	4-Phenylbutyric acid reduces mutant-TGF β 1 levels and ER stress through activation of ERAD pathway in corneal fibroblasts of granular corneal dystrophy type 2. <i>Biochemical and Biophysical Research Communications</i> , 2016, 477, 841-846.	1.0	14
32	Autophagy in granular corneal dystrophy type 2. <i>Experimental Eye Research</i> , 2016, 144, 14-21.	1.2	13
33	Disrupted cell cycle arrest and reduced proliferation in corneal fibroblasts from GCD2 patients: A potential role for altered autophagy flux. <i>Biochemical and Biophysical Research Communications</i> , 2015, 456, 288-293.	1.0	12
34	Lysosomal dysfunction of corneal fibroblasts underlies the pathogenesis of Granular Corneal Dystrophy Type 2 and can be rescued by TFEB. <i>Journal of Cellular and Molecular Medicine</i> , 2020, 24, 10343-10355.	1.6	12
35	Histone methylation levels correlate with TGF β 1 and extracellular matrix gene expression in normal and granular corneal dystrophy type 2 corneal fibroblasts. <i>BMC Medical Genomics</i> , 2015, 8, 74.	0.7	10
36	Toll-like receptor 4 initiates an innate immune response to lipopolysaccharide in human conjunctival epithelial cells. <i>Experimental Eye Research</i> , 2009, 88, 49-56.	1.2	8

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37	Uptake of cell debris and enhanced expression of inflammatory factors in response to dead cells in corneal fibroblast cells. <i>Experimental Eye Research</i> , 2020, 194, 108017.	1.2	8
38	Inhibitory Effect of Tranilast on Transforming Growth Factor-Beta-Induced Protein in Granular Corneal Dystrophy Type 2 Corneal Fibroblasts. <i>Cornea</i> , 2015, 34, 950-958.	0.9	6
39	Compound heterozygous mutations in TGFBI cause a severe phenotype of granular corneal dystrophy type 2. <i>Scientific Reports</i> , 2021, 11, 6986.	1.6	5
40	Molecular Pathogenesis of Corneal Dystrophies. <i>Progress in Molecular Biology and Translational Science</i> , 2015, 134, 99-115.	0.9	4
41	Granular Corneal Dystrophy Type 2: Prevalence in South Korea, Molecular Pathogenesis, and Therapeutic Approaches. <i>Essentials in Ophthalmology</i> , 2019, , 449-460.	0.0	0