Dong Hyun Jo

List of Publications by Year
in descending order

83	2,335	236925 25	233421 45
papers	citations	h-index	g-index

89	89	89	3630
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Size, surface charge, and shape determine therapeutic effects of nanoparticles on brain and retinal diseases. Nanomedicine: Nanotechnology, Biology, and Medicine, 2015, 11, 1603-1611.	3.3	324
2	Global Retinoblastoma Presentation and Analysis by National Income Level. JAMA Oncology, 2020, 6, 685.	7.1	192
3	The inhibition of retinal neovascularization by gold nanoparticles via suppression of VEGFR-2 activation. Biomaterials, 2011, 32, 1865-1871.	11.4	132
4	Engineering of a Biomimetic Pericyte-Covered 3D Microvascular Network. PLoS ONE, 2015, 10, e0133880.	2.5	117
5	Antiangiogenic effect of silicate nanoparticle on retinal neovascularization induced by vascular endothelial growth factor. Nanomedicine: Nanotechnology, Biology, and Medicine, 2012, 8, 784-791.	3.3	97
6	Application of prime editing to the correction of mutations and phenotypes in adult mice with liver and eye diseases. Nature Biomedical Engineering, 2022, 6, 181-194.	22.5	92
7	Interaction between microglia and retinal pigment epithelial cells determines the integrity of outer bloodâ€retinal barrier in diabetic retinopathy. Glia, 2019, 67, 321-331.	4.9	87
8	CRISPR-Cas9â€“mediated therapeutic editing of Rpe65 ameliorates the disease phenotypes in a mouse model of Leber congenital amaurosis. Science Advances, 2019, 5, eaax1210.	10.3	72
9	CRISPR-LbCpf1 prevents choroidal neovascularization in a mouse model of age-related macular degeneration. Nature Communications, 2018, 9, 1855.	12.8	71
10	Nanotechnology and Nanotoxicology in Retinopathy. International Journal of Molecular Sciences, 2011, 12, 8288-8301.	4.1	57
11	Anti-angiogenic effect of bare titanium dioxide nanoparticles on pathologic neovascularization without unbearable toxicity. Nanomedicine: Nanotechnology, Biology, and Medicine, 2014, 10, e1109-e1117.	3.3	48
12	Long-Term Effects of InÂVivo Genome Editing in the Mouse Retina Using Campylobacter jejuni Cas9 Expressed via Adeno-Associated Virus. Molecular Therapy, 2019, 27, 130-136.	8.2	48
13	STAT3 inhibition suppresses proliferation of retinoblastoma through down-regulation of positive feedback loop of STAT3/miR-17-92 clusters. Oncotarget, 2014, 5, 11513-11525.	1.8	45
14	How to overcome retinal neuropathy: The fight against angiogenesisrelated blindness. Archives of Pharmacal Research, 2010, 33, 1557-1565.	6.3	44
15	Optical Coherence Tomography Morphologic Grading of Macular Commotio Retinae and its Association With Anatomic and Visual Outcomes. American Journal of Ophthalmology, 2013, 156, 994-1001.e1.	3.3	44
16	Effects of pore structure and PEI impregnation on carbon dioxide adsorption by ZSM-5 zeolites. Journal of Industrial and Engineering Chemistry, 2015, 23, 251-256.	5.8	43
17	High-purity production and precise editing of DNA base editing ribonucleoproteins. Science Advances, 2021, 7, .	10.3	43
18	Hypoxia-mediated retinal neovascularization and vascular leakage in diabetic retina is suppressed by HIF-1Î± destabilization by SH-1242 and SH-1280, novel hsp90 inhibitors. Journal of Molecular Medicine, 2014, 92, 1083-1092.	3.9	36

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19	CRISPR-Pass: Gene Rescue of Nonsense Mutations Using Adenine Base Editors. Molecular Therapy, 2019, 27, 1364-1371.	8.2	34
20	Animal models of diabetic retinopathy: doors to investigate pathogenesis and potential therapeutics. Journal of Biomedical Science, 2013, 20, 38.	7.0	32
21	Differential Profiles of MicroRNAs in Retinoblastoma Cell Lines of Different Proliferation and Adherence Patterns. Journal of Pediatric Hematology/Oncology, 2011, 33, 529-533.	0.6	31
22	Fabrication and Characterization of Plasma-Polymerized Poly(ethylene glycol) Film with Superior Biocompatibility. ACS Applied Materials & Interfaces, 2013, 5, 697-702.	8.0	30
23	Novel Hypoxia-Inducible Factor 1Î± (HIF-1Î±) Inhibitors for Angiogenesis-Related Ocular Diseases: Discovery of a Novel Scaffold via Ring-Truncation Strategy. Journal of Medicinal Chemistry, 2018, 61, 9266-9286.	6.4	30
24	Depthwise-controlled scleral insertion of microneedles for drug delivery to the back of the eye. European Journal of Pharmaceutics and Biopharmaceutics, 2018, 133, 31-41.	4.3	29
25	Interaction between Pericytes and Endothelial Cells Leads to Formation of Tight Junction in Hyaloid Vessels. Molecules and Cells, 2013, 36, 465-471.	2.6	28
26	Nanoparticle-protein complexes mimicking corona formation in ocular environment. Biomaterials, 2016, 109, 23-31.	11.4	25
27	Orthotopic transplantation of retinoblastoma cells into vitreous cavity of zebrafish for screening of anticancer drugs. Molecular Cancer, 2013, 12, 71.	19.2	24
28	Intraocular application of gold nanodisks optically tuned for optical coherence tomography: inhibitory effect on retinal neovascularization without unbearable toxicity. Nanomedicine: Nanotechnology, Biology, and Medicine, 2017, 13, 1901-1911.	3.3	24
29	L1 increases adhesion-mediated proliferation and chemoresistance of retinoblastoma. Oncotarget, 2017, 8, 15441-15452.	1.8	24
30	The Global Retinoblastoma Outcome Study: a prospective, cluster-based analysis of 4064 patients from 149 countries. The Lancet Global Health, 2022, 10, e1128-e1140.	6.3	24
31	Inhibitory activity of gold and silica nanospheres to vascular endothelial growth factor (VEGF)-mediated angiogenesis is determined by their sizes. Nano Research, 2014, 7, 844-852.	10.4	22
32	Nerve growth factor-mediated vascular endothelial growth factor expression of astrocyte in retinal vascular development. Biochemical and Biophysical Research Communications, 2013, 431, 740-745.	2.1	20
33	Human Apolipoprotein(a) Kringle V Inhibits Ischemia-Induced Retinal Neovascularization via Suppression of Fibronectin-Mediated Angiogenesis. Diabetes, 2012, 61, 1599-1608.	0.6	19
34	KAI1(CD82) is a key molecule to control angiogenesis and switch angiogenic milieu to quiescent state. Journal of Hematology and Oncology, 2021, 14, 148.	17.0	18
35	The Clinical Characteristics of Optic Neuritis in Korean Children. Korean Journal of Ophthalmology: KJO, 2011, 25, 116.	1.1	16
36	Development of novel DNA vaccine for VEGF in murine cancer model. Scientific Reports, 2013, 3, 3380.	3.3	16

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37	VEGF-binding aptides and the inhibition of choroidal and retinal neovascularization. Biomaterials, 2014, 35, 3052-3059.	11.4	16
38	Microneedle-based minimally-invasive measurement of puncture resistance and fracture toughness of sclera. Acta Biomaterialia, 2016, 44, 286-294.	8.3	16
39	Corneal lymphangiogenesis in dry eye disease is regulated by substance P/neurokinin-1 receptor system through controlling expression of vascular endothelial growth factor receptor 3. Ocular Surface, 2021, 22, 72-79.	4.4	16
40	Quantitative Proteomics Reveals Î²2 Integrin-mediated Cytoskeletal Rearrangement in Vascular Endothelial Growth Factor (VEGF)-induced Retinal Vascular Hyperpermeability. Molecular and Cellular Proteomics, 2016, 15, 1681-1691.	3.8	14
41	Current and potential use of fresh frozen cadaver in surgical training and anatomical education. Anatomical Sciences Education, 2022, 15, 957-969.	3.7	14
42	Selfâ€Plugging Microneedle (SPM) for Intravitreal Drug Delivery. Advanced Healthcare Materials, 2022, 11, e2102599.	7.6	14
43	Intravitreally Injected Anti-VEGF Antibody Reduces Brown Fat in Neonatal Mice. PLoS ONE, 2015, 10, e0134308.	2.5	13
44	Effect of a Single Intravitreal Bevacizumab Injection on Proteinuria in Patients With Diabetes. Translational Vision Science and Technology, 2020, 9, 4.	2.2	11
45	Development of a patient-derived xenograft model of glioblastoma via intravitreal injection in mice. Experimental and Molecular Medicine, 2019, 51, 1-9.	7.7	10
46	Analysis of Clinical Characteristics in Phlyctenular Keratoconjunctivitis at a Tertiary Center. Journal of Korean Ophthalmological Society, 2011, 52, 7.	0.2	9
47	Real-time estimation of paracellular permeability of cerebral endothelial cells by capacitance sensor array. Scientific Reports, 2015, 5, 11014.	3.3	9
48	Anti-complement component 5 antibody targeting MG4 domain inhibits choroidal neovascularization. Oncotarget, 2017, 8, 45506-45516.	1.8	9
49	Bispecific anti-mPDGFRÎ² x cotinine scFv-CÎº-scFv fusion protein and cotinine-duocarmycin can form antibody-drug conjugate-like complexes that exert cytotoxicity against mPDGFRÎ² expressing cells. Methods, 2019, 154, 125-135.	3.8	9
50	Nanoparticles in the Treatment of Angiogenesis-Related Blindness. Journal of Ocular Pharmacology and Therapeutics, 2013, 29, 135-142.	1.4	8
51	Norrin expression in endothelial cells in the developing mouse retina. Acta Histochemica, 2013, 115, 447-451.	1.8	8
52	Intracellular amyloid-Î² disrupts tight junctions of the retinal pigment epithelium via NF-ÎºB activation. Neurobiology of Aging, 2020, 95, 115-122.	3.1	8
53	Allosteric regulation of pathologic angiogenesis: potential application for angiogenesis-related blindness. Archives of Pharmacal Research, 2014, 37, 285-298.	6.3	7
54	Blockade of mTORC1â€NOX signaling pathway inhibits TGFâ€Î²1â€mediated senescenceâ€like structural alterations of the retinal pigment epithelium. FASEB Journal, 2021, 35, e21403.	0.5	7

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55	How to Overcome Diabetic Retinopathy: Focusing on Blood-Retinal Barrier. Immunology, Endocrine and Metabolic Agents in Medicinal Chemistry, 2012, 12, 110-117.	0.5	7
56	Arg-Leu-Tyr-Glu Suppresses Retinal Endothelial Permeability and Choroidal Neovascularization by Inhibiting the VEGF Receptor 2 Signaling Pathway. Biomolecules and Therapeutics, 2019, 27, 474-483.	2.4	7
57	Real-time and label-free monitoring of nanoparticle cellular uptake using capacitance-based assays. Scientific Reports, 2016, 6, 33668.	3.3	6
58	Specific ablation of PDGFRÎ²-overexpressing pericytes with antibody-drug conjugate potently inhibits pathologic ocular neovascularization in mouse models. Communications Medicine, 2021, 1, .	4.2	6
59	A platform of integrative studies from in vitro to in vivo experiments: Towards drug development for ischemic retinopathy. Biomedicine and Pharmacotherapy, 2015, 69, 367-373.	5.6	5
60	The matricellular protein CCN5 inhibits fibrotic deformation of retinal pigment epithelium. PLoS ONE, 2018, 13, e0208897.	2.5	5
61	Outcomes of Proton Beam Radiation Therapy for Retinoblastoma With Vitreous Seeds. Journal of Pediatric Hematology/Oncology, 2018, 40, 569-573.	0.6	5
62	Targeting tyrosine kinases for treatment of ocular tumors. Archives of Pharmacal Research, 2019, 42, 305-318.	6.3	5
63	Conjunctival tattooing after evisceration for cosmesis. Canadian Journal of Ophthalmology, 2011, 46, 204.	0.7	4
64	Gene expression profiles of primary retinal pigment epithelial cells from apolipoprotein E knockout and human apolipoprotein E2 transgenic mice. Genetics and Molecular Research, 2015, 14, 1855-1867.	0.2	4
65	Ocular surface complications of local anticancer drugs for treatment of ocular tumors. Ocular Surface, 2021, 19, 16-30.	4.4	4
66	Tumor Environment of Retinoblastoma, Intraocular Cancer. Advances in Experimental Medicine and Biology, 2020, 1296, 349-358.	1.6	4
67	Aspergillus fumigatus Scleritis Associated with Monoclonal Gammopathy of Undetermined Significance. Korean Journal of Ophthalmology: KJO, 2010, 24, 175.	1.1	3
68	NK Cell-associated Antigen Expression in Retinoblastoma Animal Model. Cancer Investigation, 2013, 31, 67-73.	1.3	3
69	Thioredoxin-Interacting Protein Promotes Phagosomal Acidification Upon Exposure to Escherichia coli Through Inflammasome-Mediated Caspase-1 Activation in Macrophages. Frontiers in Immunology, 2019, 10, 2636.	4.8	3
70	Antitumor Activity of Novel Signal Transducer and Activator of Transcription 3 Inhibitors on Retinoblastoma. Molecular Pharmacology, 2021, 100, 63-72.	2.3	3
71	Giant Y79 retinoblastoma cells contain functionally active T-type calcium channels. Pflugers Archiv European Journal of Physiology, 2021, 473, 1631-1639.	2.8	2
72	Gold Nanocrystals with Well-Defined Crystallographic {111} Facets Suppress Pathological Neovascularization. Journal of Biomedical Nanotechnology, 2016, 12, 1520-1526.	1.1	2

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73	Application of genome engineering for treatment of retinal diseases. BMB Reports, 2018, 51, 315-316.	2.4	2
74	Toward the Clinical Application of Therapeutic Angiogenesis Against Pediatric Ischemic Retinopathy. Journal of Lipid and Atherosclerosis, 2020, 9, 268.	3.5	2
75	Nuclear expression of p53 in mature tumor endothelium of retinoblastoma. Oncology Reports, 2014, 32, 801-807.	2.6	1
76	Assessing Toxicity of Nanoparticles: In Vitro and In Vivo Assays. , 2015, , 1-15.		1
77	Employing nonhomologous end joining and homology-directed repair for treatment of Leber congenital amaurosis and inherited retinal degeneration. , 2022, , 101-110.		1
78	Superficial Punctate Keratoepitheliopathy Under Treatment with Erlotinib and Lapatinib. Journal of Korean Ophthalmological Society, 2014, 55, 293.	0.2	0
79	Clinical Characteristics of Retinoblastoma Patients whose Diagnosis was Difficult due to Atypical Ocular Manifestation. Journal of Korean Ophthalmological Society, 2016, 57, 829.	0.2	0
80	Chronological Changes in Tip Cells during Sprouting Angiogenesis of Development of the Retinal Vasculature in Newborn Mice. Current Eye Research, 2017, 42, 1511-1517.	1.5	0
81	Development of New Solitary Retinoblastoma Tumors during and after Chemotherapy. Korean Journal of Ophthalmology: KJO, 2021, 35, 73-79.	1.1	0
82	Assessing Toxicity of Nanoparticles: In Vitro and In Vivo Assays. , 2016, , 923-940.		0
83	Abstract 2469: The role of L1 in proliferation and chemoresistance of retinoblastoma. , 2016, , .		0