

Dong Hyun Jo

List of Publications by Year in descending order

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Version: 2024-02-01

83
papers

2,335
citations

236925

25
h-index

233421

45
g-index

89
all docs

89
docs citations

89
times ranked

3630
citing authors

#	ARTICLE	IF	CITATIONS
1	Application of prime editing to the correction of mutations and phenotypes in adult mice with liver and eye diseases. <i>Nature Biomedical Engineering</i> , 2022, 6, 181-194.	22.5	92
2	Current and potential use of fresh frozen cadaver in surgical training and anatomical education. <i>Anatomical Sciences Education</i> , 2022, 15, 957-969.	3.7	14
3	Employing nonhomologous end joining and homology-directed repair for treatment of Leber congenital amaurosis and inherited retinal degeneration. , 2022, , 101-110.		1
4	Self-Plugging Microneedle (SPM) for Intravitreal Drug Delivery. <i>Advanced Healthcare Materials</i> , 2022, 11, e2102599.	7.6	14
5	The Global Retinoblastoma Outcome Study: a prospective, cluster-based analysis of 4064 patients from 149 countries. <i>The Lancet Global Health</i> , 2022, 10, e1128-e1140.	6.3	24
6	Ocular surface complications of local anticancer drugs for treatment of ocular tumors. <i>Ocular Surface</i> , 2021, 19, 16-30.	4.4	4
7	Development of New Solitary Retinoblastoma Tumors during and after Chemotherapy. <i>Korean Journal of Ophthalmology: KJO</i> , 2021, 35, 73-79.	1.1	0
8	Blockade of mTORC1-NOX signaling pathway inhibits TGF- β 1-mediated senescence-like structural alterations of the retinal pigment epithelium. <i>FASEB Journal</i> , 2021, 35, e21403.	0.5	7
9	Antitumor Activity of Novel Signal Transducer and Activator of Transcription 3 Inhibitors on Retinoblastoma. <i>Molecular Pharmacology</i> , 2021, 100, 63-72.	2.3	3
10	High-purity production and precise editing of DNA base editing ribonucleoproteins. <i>Science Advances</i> , 2021, 7, .	10.3	43
11	Giant Y79 retinoblastoma cells contain functionally active T-type calcium channels. <i>Pflugers Archiv European Journal of Physiology</i> , 2021, 473, 1631-1639.	2.8	2
12	KAI1(CD82) is a key molecule to control angiogenesis and switch angiogenic milieu to quiescent state. <i>Journal of Hematology and Oncology</i> , 2021, 14, 148.	17.0	18
13	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. <i>Ocular Surface</i> , 2021, 22, 72-79.	4.4	16
14	Specific ablation of PDGFR β -overexpressing pericytes with antibody-drug conjugate potently inhibits pathological ocular neovascularization in mouse models. <i>Communications Medicine</i> , 2021, 1, .	4.2	6
15	Effect of a Single Intravitreal Bevacizumab Injection on Proteinuria in Patients With Diabetes. <i>Translational Vision Science and Technology</i> , 2020, 9, 4.	2.2	11
16	Intracellular amyloid- β disrupts tight junctions of the retinal pigment epithelium via NF- κ B activation. <i>Neurobiology of Aging</i> , 2020, 95, 115-122.	3.1	8
17	Global Retinoblastoma Presentation and Analysis by National Income Level. <i>JAMA Oncology</i> , 2020, 6, 685.	7.1	192
18	Toward the Clinical Application of Therapeutic Angiogenesis Against Pediatric Ischemic Retinopathy. <i>Journal of Lipid and Atherosclerosis</i> , 2020, 9, 268.	3.5	2

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19	Tumor Environment of Retinoblastoma, Intraocular Cancer. <i>Advances in Experimental Medicine and Biology</i> , 2020, 1296, 349-358.	1.6	4
20	CRISPR-Cas9-mediated therapeutic editing of <i>Rpe65</i> ameliorates the disease phenotypes in a mouse model of Leber congenital amaurosis. <i>Science Advances</i> , 2019, 5, eaax1210.	10.3	72
21	CRISPR-Pass: Gene Rescue of Nonsense Mutations Using Adenine Base Editors. <i>Molecular Therapy</i> , 2019, 27, 1364-1371.	8.2	34
22	Development of a patient-derived xenograft model of glioblastoma via intravitreal injection in mice. <i>Experimental and Molecular Medicine</i> , 2019, 51, 1-9.	7.7	10
23	Thioredoxin-Interacting Protein Promotes Phagosomal Acidification Upon Exposure to <i>Escherichia coli</i> Through Inflammation-Mediated Caspase-1 Activation in Macrophages. <i>Frontiers in Immunology</i> , 2019, 10, 2636.	4.8	3
24	Interaction between microglia and retinal pigment epithelial cells determines the integrity of outer blood-retinal barrier in diabetic retinopathy. <i>Glia</i> , 2019, 67, 321-331.	4.9	87
25	Targeting tyrosine kinases for treatment of ocular tumors. <i>Archives of Pharmacal Research</i> , 2019, 42, 305-318.	6.3	5
26	Long-Term Effects of In Vivo Genome Editing in the Mouse Retina Using <i>Campylobacter jejuni</i> Cas9 Expressed via Adeno-Associated Virus. <i>Molecular Therapy</i> , 2019, 27, 130-136.	8.2	48
27	Bispecific anti-mPDGFR α x cotinine scFv-C α -scFv fusion protein and cotinine-duocarmycin can form antibody-drug conjugate-like complexes that exert cytotoxicity against mPDGFR α expressing cells. <i>Methods</i> , 2019, 154, 125-135.	3.8	9
28	Arg-Leu-Tyr-Glu Suppresses Retinal Endothelial Permeability and Choroidal Neovascularization by Inhibiting the VEGF Receptor 2 Signaling Pathway. <i>Biomolecules and Therapeutics</i> , 2019, 27, 474-483.	2.4	7
29	The matricellular protein CCN5 inhibits fibrotic deformation of retinal pigment epithelium. <i>PLoS ONE</i> , 2018, 13, e0208897.	2.5	5
30	Depthwise-controlled scleral insertion of microneedles for drug delivery to the back of the eye. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2018, 133, 31-41.	4.3	29
31	Novel Hypoxia-Inducible Factor 1 α (HIF-1 α) Inhibitors for Angiogenesis-Related Ocular Diseases: Discovery of a Novel Scaffold via Ring-Truncation Strategy. <i>Journal of Medicinal Chemistry</i> , 2018, 61, 9266-9286.	6.4	30
32	CRISPR-LbCpf1 prevents choroidal neovascularization in a mouse model of age-related macular degeneration. <i>Nature Communications</i> , 2018, 9, 1855.	12.8	71
33	Outcomes of Proton Beam Radiation Therapy for Retinoblastoma With Vitreous Seeds. <i>Journal of Pediatric Hematology/Oncology</i> , 2018, 40, 569-573.	0.6	5
34	Application of genome engineering for treatment of retinal diseases. <i>BMB Reports</i> , 2018, 51, 315-316.	2.4	2
35	Intraocular application of gold nanodisks optically tuned for optical coherence tomography: inhibitory effect on retinal neovascularization without unbearable toxicity. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2017, 13, 1901-1911.	3.3	24
36	Chronological Changes in Tip Cells during Sprouting Angiogenesis of Development of the Retinal Vasculature in Newborn Mice. <i>Current Eye Research</i> , 2017, 42, 1511-1517.	1.5	0

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37	Anti-complement component 5 antibody targeting MC4 domain inhibits choroidal neovascularization. <i>Oncotarget</i> , 2017, 8, 45506-45516.	1.8	9
38	L1 increases adhesion-mediated proliferation and chemoresistance of retinoblastoma. <i>Oncotarget</i> , 2017, 8, 15441-15452.	1.8	24
39	Clinical Characteristics of Retinoblastoma Patients whose Diagnosis was Difficult due to Atypical Ocular Manifestation. <i>Journal of Korean Ophthalmological Society</i> , 2016, 57, 829.	0.2	0
40	Real-time and label-free monitoring of nanoparticle cellular uptake using capacitance-based assays. <i>Scientific Reports</i> , 2016, 6, 33668.	3.3	6
41	Microneedle-based minimally-invasive measurement of puncture resistance and fracture toughness of sclera. <i>Acta Biomaterialia</i> , 2016, 44, 286-294.	8.3	16
42	Nanoparticle-protein complexes mimicking corona formation in ocular environment. <i>Biomaterials</i> , 2016, 109, 23-31.	11.4	25
43	Quantitative Proteomics Reveals β 2 Integrin-mediated Cytoskeletal Rearrangement in Vascular Endothelial Growth Factor (VEGF)-induced Retinal Vascular Hyperpermeability. <i>Molecular and Cellular Proteomics</i> , 2016, 15, 1681-1691.	3.8	14
44	Gold Nanocrystals with Well-Defined Crystallographic {111} Facets Suppress Pathological Neovascularization. <i>Journal of Biomedical Nanotechnology</i> , 2016, 12, 1520-1526.	1.1	2
45	Assessing Toxicity of Nanoparticles: In Vitro and In Vivo Assays. , 2016, , 923-940.		0
46	Abstract 2469: The role of L1 in proliferation and chemoresistance of retinoblastoma. , 2016, , .		0
47	Gene expression profiles of primary retinal pigment epithelial cells from apolipoprotein E knockout and human apolipoprotein E2 transgenic mice. <i>Genetics and Molecular Research</i> , 2015, 14, 1855-1867.	0.2	4
48	Intravitreally Injected Anti-VEGF Antibody Reduces Brown Fat in Neonatal Mice. <i>PLoS ONE</i> , 2015, 10, e0134308.	2.5	13
49	Real-time estimation of paracellular permeability of cerebral endothelial cells by capacitance sensor array. <i>Scientific Reports</i> , 2015, 5, 11014.	3.3	9
50	Size, surface charge, and shape determine therapeutic effects of nanoparticles on brain and retinal diseases. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2015, 11, 1603-1611.	3.3	324
51	A platform of integrative studies from in vitro to in vivo experiments: Towards drug development for ischemic retinopathy. <i>Biomedicine and Pharmacotherapy</i> , 2015, 69, 367-373.	5.6	5
52	Effects of pore structure and PEI impregnation on carbon dioxide adsorption by ZSM-5 zeolites. <i>Journal of Industrial and Engineering Chemistry</i> , 2015, 23, 251-256.	5.8	43
53	Engineering of a Biomimetic Pericyte-Covered 3D Microvascular Network. <i>PLoS ONE</i> , 2015, 10, e0133880.	2.5	117
54	Assessing Toxicity of Nanoparticles: In Vitro and In Vivo Assays. , 2015, , 1-15.		1

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55	Superficial Punctate Keratoepitheliopathy Under Treatment with Erlotinib and Lapatinib. <i>Journal of Korean Ophthalmological Society</i> , 2014, 55, 293.	0.2	0
56	Allosteric regulation of pathologic angiogenesis: potential application for angiogenesis-related blindness. <i>Archives of Pharmacal Research</i> , 2014, 37, 285-298.	6.3	7
57	VEGF-binding aptides and the inhibition of choroidal and retinal neovascularization. <i>Biomaterials</i> , 2014, 35, 3052-3059.	11.4	16
58	Anti-angiogenic effect of bare titanium dioxide nanoparticles on pathologic neovascularization without unbearable toxicity. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2014, 10, e1109-e1117.	3.3	48
59	Hypoxia-mediated retinal neovascularization and vascular leakage in diabetic retina is suppressed by HIF-1 α destabilization by SH-1242 and SH-1280, novel hsp90 inhibitors. <i>Journal of Molecular Medicine</i> , 2014, 92, 1083-1092.	3.9	36
60	Inhibitory activity of gold and silica nanospheres to vascular endothelial growth factor (VEGF)-mediated angiogenesis is determined by their sizes. <i>Nano Research</i> , 2014, 7, 844-852.	10.4	22
61	Nuclear expression of p53 in mature tumor endothelium of retinoblastoma. <i>Oncology Reports</i> , 2014, 32, 801-807.	2.6	1
62	STAT3 inhibition suppresses proliferation of retinoblastoma through down-regulation of positive feedback loop of STAT3/miR-17-92 clusters. <i>Oncotarget</i> , 2014, 5, 11513-11525.	1.8	45
63	Orthotopic transplantation of retinoblastoma cells into vitreous cavity of zebrafish for screening of anticancer drugs. <i>Molecular Cancer</i> , 2013, 12, 71.	19.2	24
64	Animal models of diabetic retinopathy: doors to investigate pathogenesis and potential therapeutics. <i>Journal of Biomedical Science</i> , 2013, 20, 38.	7.0	32
65	Nanoparticles in the Treatment of Angiogenesis-Related Blindness. <i>Journal of Ocular Pharmacology and Therapeutics</i> , 2013, 29, 135-142.	1.4	8
66	Optical Coherence Tomography Morphologic Grading of Macular Commotio Retinae and its Association With Anatomic and Visual Outcomes. <i>American Journal of Ophthalmology</i> , 2013, 156, 994-1001.e1.	3.3	44
67	NK Cell-associated Antigen Expression in Retinoblastoma Animal Model. <i>Cancer Investigation</i> , 2013, 31, 67-73.	1.3	3
68	Norrin expression in endothelial cells in the developing mouse retina. <i>Acta Histochemica</i> , 2013, 115, 447-451.	1.8	8
69	Nerve growth factor-mediated vascular endothelial growth factor expression of astrocyte in retinal vascular development. <i>Biochemical and Biophysical Research Communications</i> , 2013, 431, 740-745.	2.1	20
70	Interaction between Pericytes and Endothelial Cells Leads to Formation of Tight Junction in Hyaloid Vessels. <i>Molecules and Cells</i> , 2013, 36, 465-471.	2.6	28
71	Fabrication and Characterization of Plasma-Polymerized Poly(ethylene glycol) Film with Superior Biocompatibility. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 697-702.	8.0	30
72	Development of novel DNA vaccine for VEGF in murine cancer model. <i>Scientific Reports</i> , 2013, 3, 3380.	3.3	16

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73	Human Apolipoprotein(a) Kringle V Inhibits Ischemia-Induced Retinal Neovascularization via Suppression of Fibronectin-Mediated Angiogenesis. <i>Diabetes</i> , 2012, 61, 1599-1608.	0.6	19
74	Antiangiogenic effect of silicate nanoparticle on retinal neovascularization induced by vascular endothelial growth factor. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2012, 8, 784-791.	3.3	97
75	How to Overcome Diabetic Retinopathy: Focusing on Blood-Retinal Barrier. <i>Immunology, Endocrine and Metabolic Agents in Medicinal Chemistry</i> , 2012, 12, 110-117.	0.5	7
76	Conjunctival tattooing after evisceration for cosmesis. <i>Canadian Journal of Ophthalmology</i> , 2011, 46, 204.	0.7	4
77	Analysis of Clinical Characteristics in Phlyctenular Keratoconjunctivitis at a Tertiary Center. <i>Journal of Korean Ophthalmological Society</i> , 2011, 52, 7.	0.2	9
78	The Clinical Characteristics of Optic Neuritis in Korean Children. <i>Korean Journal of Ophthalmology: KJO</i> , 2011, 25, 116.	1.1	16
79	Differential Profiles of MicroRNAs in Retinoblastoma Cell Lines of Different Proliferation and Adherence Patterns. <i>Journal of Pediatric Hematology/Oncology</i> , 2011, 33, 529-533.	0.6	31
80	The inhibition of retinal neovascularization by gold nanoparticles via suppression of VEGFR-2 activation. <i>Biomaterials</i> , 2011, 32, 1865-1871.	11.4	132
81	Nanotechnology and Nanotoxicology in Retinopathy. <i>International Journal of Molecular Sciences</i> , 2011, 12, 8288-8301.	4.1	57
82	How to overcome retinal neuropathy: The fight against angiogenesisrelated blindness. <i>Archives of Pharmacal Research</i> , 2010, 33, 1557-1565.	6.3	44
83	<i>Aspergillus fumigatus</i> Scleritis Associated with Monoclonal Gammopathy of Undetermined Significance. <i>Korean Journal of Ophthalmology: KJO</i> , 2010, 24, 175.	1.1	3