

Dennis O Clegg

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

37
papers

1,528
citations

20
h-index

39
g-index

39
ext. papers

1,841
ext. citations

7.7
avg, IF

4.53
L-index

#	Paper	IF	Citations
37	HLA-E-expressing pluripotent stem cells escape allogeneic responses and lysis by NK cells. <i>Nature Biotechnology</i> , 2017 , 35, 765-772	44.5	267
36	A bioengineered retinal pigment epithelial monolayer for advanced, dry age-related macular degeneration. <i>Science Translational Medicine</i> , 2018 , 10,	17.5	170
35	Humanized Mice Reveal Differential Immunogenicity of Cells Derived from Autologous Induced Pluripotent Stem Cells. <i>Cell Stem Cell</i> , 2015 , 17, 353-9	18	167
34	Stem cell based therapies for age-related macular degeneration: The promises and the challenges. <i>Progress in Retinal and Eye Research</i> , 2015 , 48, 1-39	20.5	133
33	Integrins in the development, function and dysfunction of the nervous system. <i>Frontiers in Bioscience - Landmark</i> , 2003 , 8, d723-50	2.8	80
32	Imaging real-time proteolysis of single collagen I molecules with an atomic force microscope. <i>Biochemistry</i> , 1999 , 38, 9956-63	3.2	56
31	Subretinal implantation of a monolayer of human embryonic stem cell-derived retinal pigment epithelium: a feasibility and safety study in Yucatán minipigs. <i>Graefes Archive for Clinical and Experimental Ophthalmology</i> , 2016 , 254, 1553-1565	3.8	55
30	ROCK Inhibition Extends Passage of Pluripotent Stem Cell-Derived Retinal Pigmented Epithelium. <i>Stem Cells Translational Medicine</i> , 2014 , 3, 1066-78	6.9	49
29	Canonical/β-catenin Wnt pathway activation improves retinal pigmented epithelium derivation from human embryonic stem cells. <i>Investigative Ophthalmology and Visual Science</i> , 2015 , 56, 1002-13		48
28	Survival and Functionality of hESC-Derived Retinal Pigment Epithelium Cells Cultured as a Monolayer on Polymer Substrates Transplanted in RCS Rats 2016 , 57, 2877-87		46
27	Defined culture of human embryonic stem cells and xeno-free derivation of retinal pigmented epithelial cells on a novel, synthetic substrate. <i>Stem Cells Translational Medicine</i> , 2015 , 4, 165-77	6.9	45
26	Imaging and mapping heparin-binding sites on single fibronectin molecules with atomic force microscopy. <i>Biochemistry</i> , 2000 , 39, 3192-6	3.2	41
25	Concise Review: Making Stem Cells Retinal: Methods for Deriving Retinal Pigment Epithelium and Implications for Patients With Ocular Disease. <i>Stem Cells</i> , 2015 , 33, 2363-73	5.8	40
24	Induced Pluripotent Stem Cell-Derived Retinal Pigmented Epithelium: A Comparative Study Between Cell Lines and Differentiation Methods. <i>Journal of Ocular Pharmacology and Therapeutics</i> , 2016 , 32, 317-30	2.6	39
23	Light-activated RNA interference in human embryonic stem cells. <i>Biomaterials</i> , 2015 , 63, 70-9	15.6	31
22	Reprogramming human retinal pigmented epithelial cells to neurons using recombinant proteins. <i>Stem Cells Translational Medicine</i> , 2014 , 3, 1526-34	6.9	26
21	Pluripotent Stem Cell-Based Therapies in Combination with Substrate for the Treatment of Age-Related Macular Degeneration. <i>Journal of Ocular Pharmacology and Therapeutics</i> , 2016 , 32, 261-71	2.6	25

20	Human SY5Y neuroblastoma cell interactions with laminin isoforms: neurite outgrowth on laminin-5 is mediated by integrin alpha 3 beta 1. <i>Cell Adhesion and Communication</i> , 1996 , 3, 451-62		23
19	Surgical Method for Implantation of a Biosynthetic Retinal Pigment Epithelium Monolayer for Geographic Atrophy: Experience from a Phase 1/2a Study. <i>Ophthalmology Retina</i> , 2020 , 4, 264-273	3.8	23
18	An Innovative Surgical Technique for Subretinal Transplantation of Human Embryonic Stem Cell-Derived Retinal Pigmented Epithelium in Yucatan Mini Pigs: Preliminary Results. <i>Ophthalmic Surgery Lasers and Imaging Retina</i> , 2016 , 47, 342-51	1.4	20
17	Vitronectin-Based, Biomimetic Encapsulating Hydrogel Scaffolds Support Adipogenesis of Adipose Stem Cells. <i>Tissue Engineering - Part A</i> , 2016 , 22, 597-609	3.9	20
16	Patient-derived induced pluripotent stem cells for modelling genetic retinal dystrophies. <i>Progress in Retinal and Eye Research</i> , 2019 , 68, 54-66	20.5	18
15	Rapid, Directed Differentiation of Retinal Pigment Epithelial Cells from Human Embryonic or Induced Pluripotent Stem Cells. <i>Journal of Visualized Experiments</i> , 2017 ,	1.6	17
14	ROCK Inhibition Promotes Attachment, Proliferation, and Wound Closure in Human Embryonic Stem Cell-Derived Retinal Pigmented Epithelium. <i>Translational Vision Science and Technology</i> , 2016 , 5, 7	3.3	14
13	Functional Assessment of Patient-Derived Retinal Pigment Epithelial Cells Edited by CRISPR/Cas9. <i>International Journal of Molecular Sciences</i> , 2018 , 19,	6.3	12
12	Adipose Stem Cells Incorporated in Fibrin Clot Modulate Expression of Growth Factors. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2018 , 34, 581-591	5.4	11
11	Cell-mediated remodeling of biomimetic encapsulating hydrogels triggered by adipogenic differentiation of adipose stem cells. <i>Journal of Tissue Engineering</i> , 2016 , 7, 2041731416670482	7.5	10
10	Light-Patterned RNA Interference of 3D-Cultured Human Embryonic Stem Cells. <i>Advanced Materials</i> , 2016 , 28, 10732-10737	24	9
9	Assessment of Safety and Functional Efficacy of Stem Cell-Based Therapeutic Approaches Using Retinal Degenerative Animal Models. <i>Stem Cells International</i> , 2017 , 2017, 9428176	5	8
8	Vascular changes in diabetic retinopathy-a longitudinal study in the Nile rat. <i>Laboratory Investigation</i> , 2019 , 99, 1547-1560	5.9	6
7	Subretinal Implantation of a Human Embryonic Stem Cell-Derived Retinal Pigment Epithelium Monolayer in a Porcine Model. <i>Advances in Experimental Medicine and Biology</i> , 2019 , 1185, 569-574	3.6	6
6	One-Year Follow-Up in a Phase 1/2a Clinical Trial of an Allogeneic RPE Cell Bioengineered Implant for Advanced Dry Age-Related Macular Degeneration. <i>Translational Vision Science and Technology</i> , 2021 , 10, 13	3.3	4
5	Xeno-free cryopreservation of adherent retinal pigmented epithelium yields viable and functional cells in vitro and in vivo. <i>Scientific Reports</i> , 2021 , 11, 6286	4.9	4
4	Survival of an HLA-mismatched, bioengineered RPE implant in dry age-related macular degeneration.. <i>Stem Cell Reports</i> , 2022 ,	8	3
3	Strategies for bioengineered scaffolds that support adipose stem cells in regenerative therapies. <i>Regenerative Medicine</i> , 2016 , 11, 589-99	2.5	2

2 Biomaterials and Scaffolds for Cell Replacement Therapy. *Pancreatic Islet Biology*, **2019**, 109-140 o.4

1 Stem Cell-Derived Retinal Cells for Transplantation **2020**, 423-437