

Miguel González-Andrades

List of Publications by Year in descending order

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Version: 2024-02-01

53
papers

1,193
citations

361413

20
h-index

454955

30
g-index

55
all docs

55
docs citations

55
times ranked

1290
citing authors

#	ARTICLE	IF	CITATIONS
1	Generation of Bioengineered Corneas with Decellularized Xenografts and Human Keratocytes. , 2011, 52, 215.		107
2	Evaluation of Small Intestine Grafts Decellularization Methods for Corneal Tissue Engineering. PLoS ONE, 2013, 8, e66538.	2.5	76
3	Tuning gelatin-based hydrogel towards bioadhesive ocular tissue engineering applications. Bioactive Materials, 2021, 6, 3947-3961.	15.6	74
4	Generation of a Biomimetic Human Artificial Cornea Model Using Wharton's Jelly Mesenchymal Stem Cells. , 2014, 55, 4073.		63
5	Investigating a novel nanostructured fibrin-agarose biomaterial for human cornea tissue engineering: Rheological properties. Journal of the Mechanical Behavior of Biomedical Materials, 2011, 4, 1963-1973.	3.1	58
6	Effects of gamma radiation sterilization on the structural and biological properties of decellularized corneal xenografts. Acta Biomaterialia, 2019, 96, 330-344.	8.3	49
7	Wharton's Jelly Stem Cells: A Novel Cell Source for Oral Mucosa and Skin Epithelia Regeneration. Stem Cells Translational Medicine, 2013, 2, 625-632.	3.3	43
8	Effects of Detergent-Based Protocols on Decellularization of Corneas With Sclerocorneal Limbus. Evaluation of Regional Differences. Translational Vision Science and Technology, 2015, 4, 13.	2.2	43
9	<i>In vitro</i> and <i>in vivo</i> cyokeratin patterns of expression in bioengineered human periodontal mucosa. Journal of Periodontal Research, 2009, 44, 588-597.	2.7	42
10	Successful development and clinical translation of a novel anterior lamellar artificial cornea. Journal of Tissue Engineering and Regenerative Medicine, 2019, 13, 2142-2154.	2.7	42
11	Controlling the 3D architecture of Self-Lifting Auto-generated Tissue Equivalent (SLATEs) for optimized corneal graft composition and stability. Biomaterials, 2017, 121, 205-219.	11.4	40
12	Time-course study of histological and genetic patterns of differentiation in human engineered oral mucosa. Journal of Tissue Engineering and Regenerative Medicine, 2007, 1, 350-359.	2.7	34
13	Sequential development of intercellular junctions in bioengineered human corneas. Journal of Tissue Engineering and Regenerative Medicine, 2009, 3, 442-449.	2.7	34
14	Chemical Burns of the Eye: The Role of Retinal Injury and New Therapeutic Possibilities. Cornea, 2018, 37, 248-251.	1.7	34
15	Transparency in a Fibrin and Fibrin-agarose Corneal Stroma Substitute Generated by Tissue Engineering. Cornea, 2011, 30, 1428-1435.	1.7	33
16	Finding an Optimal Corneal Xenograft Using Comparative Analysis of Corneal Matrix Proteins Across Species. Scientific Reports, 2019, 9, 1876.	3.3	32
17	A study protocol for a multicentre randomised clinical trial evaluating the safety and feasibility of a bioengineered human allogeneic nanostructured anterior cornea in patients with advanced corneal trophic ulcers refractory to conventional treatment. BMJ Open, 2017, 7, e016487.	1.9	31
18	Optimization of Collagen Chemical Crosslinking to Restore Biocompatibility of Tissue-Engineered Scaffolds. Pharmaceutics, 2021, 13, 832.	4.5	31

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19	Establishment of a novel in vitro model of stratified epithelial wound healing with barrier function. <i>Scientific Reports</i> , 2016, 6, 19395.	3.3	27
20	Evaluation of the viability of cultured corneal endothelial cells by quantitative electron probe X-ray microanalysis. <i>Journal of Cellular Physiology</i> , 2007, 211, 692-698.	4.1	25
21	Improving the practicality and safety of artificial corneas: Pre-assembly and gamma-rays sterilization of the Boston Keratoprosthesis. <i>Ocular Surface</i> , 2018, 16, 322-330.	4.4	24
22	The Italian Catquest-9SF cataract questionnaire: translation, validation and application. <i>Eye and Vision (London, England)</i> , 2016, 3, 12.	3.0	23
23	Effect of Penetrating Keratoplasty and Keratoprosthesis Implantation on the Posterior Segment of the Eye. , 2016, 57, 1643.		18
24	UV Absorbance of a Bioengineered Corneal Stroma Substitute in the 240-400 nm Range. <i>Cornea</i> , 2010, 29, 895-898.	1.7	17
25	Biosynthetic alternatives for corneal transplant surgery. <i>Expert Review of Ophthalmology</i> , 2020, 15, 129-143.	0.6	16
26	A resistance-sensing mechanical injector for the precise delivery of liquids to target tissue. <i>Nature Biomedical Engineering</i> , 2019, 3, 621-631.	22.5	15
27	Reception learning and self-discovery learning in histology: Students' perceptions and their implications for assessing the effectiveness of different learning modalities. <i>Anatomical Sciences Education</i> , 2012, 5, 273-280.	3.7	14
28	Covalent Functionalization of PMMA Surface with L-Dihydroxyphenylalanine (L-DOPA) to Enhance its Biocompatibility and Adhesion to Corneal Tissue. <i>Advanced Materials Interfaces</i> , 2020, 7, 1900767.	3.7	13
29	Collagen analogs with phosphorylcholine are inflammation-suppressing scaffolds for corneal regeneration from alkali burns in mini-pigs. <i>Communications Biology</i> , 2021, 4, 608.	4.4	13
30	Electron Beam Sterilization of Poly(Methyl Methacrylate)âPhysicochemical and Biological Aspects. <i>Macromolecular Bioscience</i> , 2021, 21, e2000379.	4.1	12
31	Toward electron-beam sterilization of a pre-assembled Boston keratoprosthesis. <i>Ocular Surface</i> , 2021, 20, 176-184.	4.4	12
32	Developing an audiovisual notebook as a self-learning tool in histology: Perceptions of teachers and students. <i>Anatomical Sciences Education</i> , 2014, 7, 209-218.	3.7	11
33	Volumetric and ionic regulation during the in vitro development of a corneal endothelial barrier. <i>Experimental Eye Research</i> , 2008, 86, 758-769.	2.6	10
34	Colocalization of Galectin-3 With CD147 Is Associated With Increased Gelatinolytic Activity in Ulcerating Human Corneas. , 2018, 59, 223.		10
35	Critical media attributes in E-beam sterilization of corneal tissue. <i>Acta Biomaterialia</i> , 2022, 138, 218-227.	8.3	7
36	Torsional wave elastography to assess the mechanical properties of the cornea. <i>Scientific Reports</i> , 2022, 12, 8354.	3.3	7

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37	Combined blockade of complement C5 and TLR co-receptor CD14 synergistically inhibits pig-to-human corneal xenograft induced innate inflammatory responses. <i>Acta Biomaterialia</i> , 2021, 127, 169-179.	8.3	6
38	Photographic-Based Optical Evaluation of Tissues and Biomaterials Used for Corneal Surface Repair: A New Easy-Applied Method. <i>PLoS ONE</i> , 2015, 10, e0142099.	2.5	6
39	Hordeolum: Acute abscess within an eyelid sebaceous gland. <i>Cleveland Clinic Journal of Medicine</i> , 2016, 83, 332-334.	1.3	6
40	Comparative analysis of European residency programs: benchmarking and harmonizing ophthalmology training in Europe. <i>Eye</i> , 2023, 37, 725-731.	2.1	6
41	Sterile Corneal Infiltrates Secondary to Psoriasis Exacerbations: Topical Tacrolimus as an Alternative Treatment Option. <i>Eye and Contact Lens</i> , 2017, 43, e1-e3.	1.6	5
42	Graphene-Lined Porous Gelatin Glycidyl Methacrylate Hydrogels: Implications for Tissue Engineering. <i>ACS Applied Nano Materials</i> , 2021, 4, 12650-12662.	5.0	5
43	Antimicrobial Biomaterials and Their Potential Application in Ophthalmology. <i>Journal of Applied Biomaterials and Functional Materials</i> , 2015, 13, 346-350.	1.6	4
44	Corneal Tissue Engineering. <i>Essentials in Ophthalmology</i> , 2019, , 23-37.	0.1	4
45	Golgi β 1,2-mannosidase I induces clustering and compartmentalization of CD147 during epithelial cell migration. <i>Cell Adhesion and Migration</i> , 2020, 14, 96-105.	2.7	4
46	Optical properties of an anterior lamellar human cornea model based on fibrin-agarose. , 2017, , .		2
47	Multiple cranial nerve involvement with idiopathic intracranial hypertension. <i>QJM - Monthly Journal of the Association of Physicians</i> , 2016, 109, 265-266.	0.5	1
48	Bioengineered Corneas Entering the Clinical Realm. <i>Reference Series in Biomedical Engineering</i> , 2021, , 557-587.	0.1	1
49	Advances in the Field of Tissue Engineering and Regenerative Medicine: State of the Art and Regulatory Issues. <i>Journal of Biomaterials and Tissue Engineering</i> , 2013, 3, 245-260.	0.1	1
50	A new fractioning process to decrease the price of ranibizumab. <i>Acta Ophthalmologica</i> , 2012, 90, e645-6.	1.1	0
51	Trophic corneal ulcer treated with a bioengineered partial cornea substitute. A case report. <i>Cytotherapy</i> , 2015, 17, S67.	0.7	0
52	A skin lesion after cardiac catheterization. <i>Cleveland Clinic Journal of Medicine</i> , 2012, 79, 424-426.	1.3	0
53	Bioengineered Corneas Entering the Clinical Realm. , 2020, , 1-31.		0