

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	Comparative analysis of European residency programs: benchmarking and harmonizing ophthalmology training in Europe. <i>Eye</i> , 2023, 37, 725-731.	2.1	6
2	Critical media attributes in E-beam sterilization of corneal tissue. <i>Acta Biomaterialia</i> , 2022, 138, 218-227.	8.3	7
3	Torsional wave elastography to assess the mechanical properties of the cornea. <i>Scientific Reports</i> , 2022, 12, 8354.	3.3	7
4	Bioengineered Corneas Entering the Clinical Realm. <i>Reference Series in Biomedical Engineering</i> , 2021, , 557-587.	0.1	1
5	Electron Beam Sterilization of Poly(Methyl Methacrylate)â€™ Physicochemical and Biological Aspects. <i>Macromolecular Bioscience</i> , 2021, 21, e2000379.	4.1	12
6	Toward electron-beam sterilization of a pre-assembled Boston keratoprosthesis. <i>Ocular Surface</i> , 2021, 20, 176-184.	4.4	12
7	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
8	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
9	Optimization of Collagen Chemical Crosslinking to Restore Biocompatibility of Tissue-Engineered Scaffolds. <i>Pharmaceutics</i> , 2021, 13, 832.	4.5	31
10	Tuning gelatin-based hydrogel towards bioadhesive ocular tissue engineering applications. <i>Bioactive Materials</i> , 2021, 6, 3947-3961.	15.6	74
11	Graphene-Lined Porous Gelatin Glycidyl Methacrylate Hydrogels: Implications for Tissue Engineering. <i>ACS Applied Nano Materials</i> , 2021, 4, 12650-12662.	5.0	5
12	Covalent Functionalization of PMMA Surface with Lâ€™3,4â€™Dihydroxyphenylalanine (Lâ€™DOPA) to Enhance its Biocompatibility and Adhesion to Corneal Tissue. <i>Advanced Materials Interfaces</i> , 2020, 7, 1900767.	3.7	13
13	Golgi Î±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
14	Biosynthetic alternatives for corneal transplant surgery. <i>Expert Review of Ophthalmology</i> , 2020, 15, 129-143.	0.6	16
15	Bioengineered Corneas Entering the Clinical Realm. , 2020, , 1-31.		0
16	Successful development and clinical translation of a novel anterior lamellar artificial cornea. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2019, 13, 2142-2154.	2.7	42
17	Effects of gamma radiation sterilization on the structural and biological properties of decellularized corneal xenografts. <i>Acta Biomaterialia</i> , 2019, 96, 330-344.	8.3	49
18	Corneal Tissue Engineering. <i>Essentials in Ophthalmology</i> , 2019, , 23-37.	0.1	4

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19	Finding an Optimal Corneal Xenograft Using Comparative Analysis of Corneal Matrix Proteins Across Species. <i>Scientific Reports</i> , 2019, 9, 1876.	3.3	32
20	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
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	Chemical Burns of the Eye: The Role of Retinal Injury and New Therapeutic Possibilities. <i>Cornea</i> , 2018, 37, 248-251.	1.7	34
23	Colocalization of Galectin-3 With CD147 Is Associated With Increased Gelatinolytic Activity in Ulcerating Human Corneas. , 2018, 59, 223.		10
24	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
25	Controlling the 3D architecture of Self-Lifting Auto-generated Tissue Equivalents (SLATEs) for optimized corneal graft composition and stability. <i>Biomaterials</i> , 2017, 121, 205-219.	11.4	40
26	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. <i>BMJ Open</i> , 2017, 7, e016487.	1.9	31
27	Optical properties of an anterior lamellar human cornea model based on fibrin-agarose. , 2017, , .		2
28	Effect of Penetrating Keratoplasty and Keratoprosthesis Implantation on the Posterior Segment of the Eye. , 2016, 57, 1643.		18
29	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
30	The Italian Catquest-9SF cataract questionnaire: translation, validation and application. <i>Eye and Vision (London, England)</i> , 2016, 3, 12.	3.0	23
31	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
32	Hordeolum: Acute abscess within an eyelid sebaceous gland. <i>Cleveland Clinic Journal of Medicine</i> , 2016, 83, 332-334.	1.3	6
33	Trophic corneal ulcer treated with a bioengineered partial cornea substitute. A case report. <i>Cytherapy</i> , 2015, 17, S67.	0.7	0
34	Antimicrobial Biomaterials and Their Potential Application in Ophthalmology. <i>Journal of Applied Biomaterials and Functional Materials</i> , 2015, 13, 346-350.	1.6	4
35	Effects of Detergent-Based Protocols on Decellularization of Corneas With Sclerocorneal Limbus. Evaluation of Regional Differences. <i>Translational Vision Science and Technology</i> , 2015, 4, 13.	2.2	43
36	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

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37	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
38	Generation of a Biomimetic Human Artificial Cornea Model Using Wharton's Jelly Mesenchymal Stem Cells. , 2014, 55, 4073.		63
39	Wharton's Jelly Stem Cells: A Novel Cell Source for Oral Mucosa and Skin Epithelia Regeneration. <i>Stem Cells Translational Medicine</i> , 2013, 2, 625-632.	3.3	43
40	Evaluation of Small Intestine Grafts Decellularization Methods for Corneal Tissue Engineering. <i>PLoS ONE</i> , 2013, 8, e66538.	2.5	76
41	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
42	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
43	A new fractioning process to decrease the price of ranibizumab. <i>Acta Ophthalmologica</i> , 2012, 90, e645-6.	1.1	0
44	A skin lesion after cardiac catheterization. <i>Cleveland Clinic Journal of Medicine</i> , 2012, 79, 424-426.	1.3	0
45	Generation of Bioengineered Corneas with Decellularized Xenografts and Human Keratocytes. , 2011, 52, 215.		107
46	Transparency in a Fibrin and Fibrin Agarose Corneal Stroma Substitute Generated by Tissue Engineering. <i>Cornea</i> , 2011, 30, 1428-1435.	1.7	33
47	Investigating a novel nanostructured fibrin agarose biomaterial for human cornea tissue engineering: Rheological properties. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2011, 4, 1963-1973.	3.1	58
48	UV Absorbance of a Bioengineered Corneal Stroma Substitute in the 240-400 nm Range. <i>Cornea</i> , 2010, 29, 895-898.	1.7	17
49	Sequential development of intercellular junctions in bioengineered human corneas. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2009, 3, 442-449.	2.7	34
50	<i>In vitro</i> and <i>in vivo</i> cytokeratin patterns of expression in bioengineered human periodontal mucosa. <i>Journal of Periodontal Research</i> , 2009, 44, 588-597.	2.7	42
51	Volumetric and ionic regulation during the <i>in vitro</i> development of a corneal endothelial barrier. <i>Experimental Eye Research</i> , 2008, 86, 758-769.	2.6	10
52	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
53	Time-course study of histological and genetic patterns of differentiation in human engineered oral mucosa. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2007, 1, 350-359.	2.7	34