

Jorge L Alio Del Barrio

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.

68 papers	773 citations	13 h-index	25 g-index
69 ext. papers	1,102 ext. citations	3.9 avg, IF	4.86 L-index

#	Paper	IF	Citations
68	Refractive surgery. <i>Lancet, The</i> , 2019 , 393, 2085-2098	40	78
67	Acellular human corneal matrix sheets seeded with human adipose-derived mesenchymal stem cells integrate functionally in an experimental animal model. <i>Experimental Eye Research</i> , 2015 , 132, 91-100	10.7	66
66	Corneal surgery in keratoconus: which type, which technique, which outcomes?. <i>Eye and Vision (London, England)</i> , 2016 , 3, 2	4.9	61
65	Corneal Stroma Enhancement With Decellularized Stromal Laminae With or Without Stem Cell Recellularization for Advanced Keratoconus. <i>American Journal of Ophthalmology</i> , 2018 , 186, 47-58	4.9	59
64	Cellular Therapy With Human Autologous Adipose-Derived Adult Stem Cells for Advanced Keratoconus. <i>Cornea</i> , 2017 , 36, 952-960	3.1	52
63	Clinical outcomes with a diffractive trifocal intraocular lens. <i>European Journal of Ophthalmology</i> , 2018 , 28, 419-424	1.9	36
62	Serial optical coherence tomography angiography for corneal vascularization. <i>Graefes Archive for Clinical and Experimental Ophthalmology</i> , 2017 , 255, 135-139	3.8	34
61	Regenerative Surgery of the Corneal Stroma for Advanced Keratoconus: 1-Year Outcomes. <i>American Journal of Ophthalmology</i> , 2019 , 203, 53-68	4.9	32
60	COVID-19 Disease and Ophthalmology: An Update. <i>Ophthalmology and Therapy</i> , 2020 , 9, 1-12	5	30
59	Corneal Epithelial Thickness Intrasubject Repeatability and its Relation With Visual Limitation in Keratoconus. <i>American Journal of Ophthalmology</i> , 2019 , 200, 255-262	4.9	28
58	Biointegration of corneal macroporous membranes based on poly(ethyl acrylate) copolymers in an experimental animal model. <i>Journal of Biomedical Materials Research - Part A</i> , 2015 , 103, 1106-18	5.4	23
57	Cellular therapy of the corneal stroma: a new type of corneal surgery for keratoconus and corneal dystrophies. <i>Eye and Vision (London, England)</i> , 2018 , 5, 28	4.9	22
56	Small incision lenticule extraction (SMILE) in the correction of myopic astigmatism: outcomes and limitations - an update. <i>Eye and Vision (London, England)</i> , 2017 , 4, 26	4.9	21
55	Morphogeometric analysis for characterization of keratoconus considering the spatial localization and projection of apex and minimum corneal thickness point. <i>Journal of Advanced Research</i> , 2020 , 24, 261-271	13	13
54	Conocimientos sobre los procedimientos correctos de medici3n de la presi3n arterial entre estudiantes universitarios de ciencias de la salud. <i>Revista Espanola De Cardiologia</i> , 2009 , 62, 568-571	1.5	11
53	Corneal graft failure: an update. <i>British Journal of Ophthalmology</i> , 2021 , 105, 1049-1058	5.5	10
52	Corneal Stroma Cell Density Evolution in Keratoconus Corneas Following the Implantation of Adipose Mesenchymal Stem Cells and Corneal Laminae: An In Vivo Confocal Microscopy Study 2020 , 61, 22		10

51	Refractive surgery beyond 2020. <i>Eye</i> , 2021 , 35, 362-382	4.4	10
50	Outcomes of Toric Iris-Claw Phakic Intraocular Lens Implantation After Deep Anterior Lamellar Keratoplasty for Keratoconus. <i>Journal of Refractive Surgery</i> , 2017 , 33, 538-544	3.3	9
49	Descemet Membrane Endothelial Keratoplasty Under Failed Penetrating Keratoplasty Without Host Descemetorhexis for the Management of Secondary Graft Failure. <i>Cornea</i> , 2020 , 39, 13-17	3.1	9
48	Superficial Automated Keratopigmentation for Iris and Pupil Simulation Using Micronized Mineral Pigments and a New Puncturing Device: Experimental Study. <i>Cornea</i> , 2017 , 36, 1069-1075	3.1	8
47	Diagnostic Value of Corneal Epithelial and Stromal Thickness Distribution Profiles in Forme Fruste Keratoconus and Subclinical Keratoconus. <i>Cornea</i> , 2021 , 40, 61-72	3.1	8
46	Corneal transplantation after failed grafts: Options and outcomes. <i>Survey of Ophthalmology</i> , 2021 , 66, 20-40	6.1	8
45	Subclinical keratoconus detection with three-dimensional (3-D) morphogeometric and volumetric analysis. <i>Acta Ophthalmologica</i> , 2020 , 98, e933-e942	3.7	7
44	Changes in the 3D Corneal Structure and Morphogeometric Properties in Keratoconus after Corneal Collagen Crosslinking. <i>Diagnostics</i> , 2020 , 10,	3.8	7
43	Laser-Assisted in Situ Keratomileusis with Optimized, Fast-Repetition, and Cyclotorsion Control Excimer Laser to Treat Hyperopic Astigmatism with High Cylinder. <i>European Journal of Ophthalmology</i> , 2017 , 27, 686-693	1.9	7
42	Retinal image quality with multifocal, EDoF, and accommodative intraocular lenses as studied by pyramidal aberrometry. <i>Eye and Vision (London, England)</i> , 2021 , 8, 37	4.9	7
41	Assessment of the Association between In Vivo Corneal Morphogeometrical Changes and Keratoconus Eyes with Severe Visual Limitation. <i>Journal of Ophthalmology</i> , 2019 , 2019, 8731626	2	6
40	In Vivo Confocal Microscopy of Stromal Lenticule Addition Keratoplasty for Advanced Keratoconus. <i>Journal of Refractive Surgery</i> , 2020 , 36, 544-550	3.3	6
39	Occlusion of AquaPORT Flow in a Case of Toxic Anterior Segment Syndrome Following Implantable Collamer Lens Surgery Causing Severe Pupillary Block. <i>Journal of Refractive Surgery</i> , 2020 , 36, 856-859	3.3	6
38	Corneal stroma regeneration: Preclinical studies. <i>Experimental Eye Research</i> , 2021 , 202, 108314	3.7	6
37	Corneal Stromal Regeneration Therapy for Advanced Keratoconus: Long-term Outcomes at 3 Years. <i>Cornea</i> , 2021 , 40, 741-754	3.1	6
36	Evaluation of corneal stromal demarcation line depth following standard and a modified-accelerated collagen cross-linking protocol. <i>American Journal of Ophthalmology</i> , 2015 , 159, 211-2	4.9	5
35	Descemet Membrane Endothelial Keratoplasty (DMEK) Under Previous DMEK for Secondary Endothelial Graft Failure. <i>Cornea</i> , 2018 , 37, 793-795	3.1	5
34	Femtosecond Laser-Assisted Tuck-In Penetrating Keratoplasty for Advanced Keratoglobus With Endothelial Damage. <i>Cornea</i> , 2017 , 36, 1145-1149	3.1	5

33	Femtosecond Laser-Assisted Deep Lamellar Endothelial Keratoplasty: A New Approach to a Forgotten Technique. <i>Cornea</i> , 2015 , 34, 1369-74	3.1	5
32	Frontiers in Regenerative Medicine for Cornea and Ocular Surface 2015 , 92-138		5
31	Corneal Stromal Regeneration: A Review of Human Clinical Studies in Keratoconus Treatment. <i>Frontiers in Medicine</i> , 2021 , 8, 650724	4.9	5
30	Reply. <i>Cornea</i> , 2017 , 36, e37	3.1	4
29	Punctiform and Polychromatic Pre-Descemet Corneal Dystrophy: Clinical Evaluation and Identification of the Genetic Basis. <i>American Journal of Ophthalmology</i> , 2020 , 212, 88-97	4.9	4
28	Three-Dimensional Morphogeometric and Volumetric Characterization of Cornea in Pediatric Patients With Early Keratoconus. <i>American Journal of Ophthalmology</i> , 2021 , 222, 102-111	4.9	4
27	Influence of age on small incision lenticule extraction outcomes. <i>British Journal of Ophthalmology</i> , 2020 ,	5.5	3
26	Safety and visual outcomes following Iris-claw phakic intraocular lens bilensectomy. <i>European Journal of Ophthalmology</i> , 2021 , 31, 1795-1801	1.9	3
25	Corneal graft surgery: A monocentric long-term analysis. <i>European Journal of Ophthalmology</i> , 2021 , 31, 1700-1708	1.9	3
24	Light scattering in intraocular lenses explanted 15 to 40 years after surgery. <i>Biomedical Optics Express</i> , 2021 , 12, 3485-3494	3.5	3
23	Femtosecond Laser-Assisted Deep Lamellar Descemet Membrane Endothelial Keratoplasty for the Treatment of Endothelial Dysfunction Associated With Posterior Stromal Scarring. <i>Cornea</i> , 2019 , 38, 388-391	3.1	3
22	Treatment of chronic and extreme ocular hypotension following glaucoma surgery with intraocular platelet-rich plasma: A case report. <i>European Journal of Ophthalmology</i> , 2019 , 29, NP9-NP12	1.9	3
21	Visual Outcomes, Patient Satisfaction, and Light Distortion Analysis After Blended Implantation of Rotationally Asymmetric Multifocal Intraocular Lenses. <i>Journal of Refractive Surgery</i> , 2020 , 36, 796-803	3.3	2
20	Vision Implantable Collamer Lens Behavior in Descemet Membrane Endothelial Keratoplasty Surgery. <i>Cornea</i> , 2021 , 40, 113-115	3.1	2
19	The Value of Anterior Segment Optical Coherence Tomography in Different Types of Corneal Infections: An Update. <i>Journal of Clinical Medicine</i> , 2021 , 10,	5.1	2
18	Evidence of a Down Syndrome Keratopathy: A Three-Dimensional (3-D) Morphogeometric and Volumetric Analysis. <i>Journal of Personalized Medicine</i> , 2021 , 11,	3.6	2
17	Femtosecond laser-assisted stromal keratophakia for keratoconus: A systemic review and meta-analysis. <i>International Ophthalmology</i> , 2021 , 41, 1965-1979	2.2	2
16	Laser flap enhancement 5 to 9 years and 10 or more years after laser in situ keratomileusis: Safety and efficacy. <i>Journal of Cataract and Refractive Surgery</i> , 2019 , 45, 1463-1469	2.3	1

15	Detection of Subclinical Keratoconus Using Biometric Parameters. <i>Lecture Notes in Computer Science</i> , 2019 , 490-501	0.9	1
14	Analysis of the Use of Genetic Algorithms in the Design of Models and Graphical Techniques for Early Detection, Diagnosis, and Characterization of Clinical Pathologies. <i>Lecture Notes in Mechanical Engineering</i> , 2022 , 201-207	0.4	1
13	Efficacy of Morpho-Geometrical Analysis of the Corneal Surfaces in Keratoconus Disease According to Moderate Visual Limitation. <i>Lecture Notes in Mechanical Engineering</i> , 2020 , 263-272	0.4	1
12	Anterior Segment OCT: Clinical Applications. <i>Essentials in Ophthalmology</i> , 2021 , 31-158	0.2	1
11	Evolution of corneal thickness and optical density after laser in situ keratomileusis versus small incision lenticule extraction for myopia correction. <i>British Journal of Ophthalmology</i> , 2021 , 105, 1656-1660	5.5	1
10	Retinal Optical Quality of Multifocal Refractive and Monofocal Intraocular Lenses. <i>Photonics</i> , 2021 , 8, 559	2.2	1
9	Post-LASIK Corneal Dysesthesia 2018 , 113-116		0
8	AUTOMATIC IMAGE PROCESSING APPLIED TO CORNEAL ENDOTHELIUM CELL COUNT AND SHAPE CHARACTERIZATION. <i>Dyna (Spain)</i> , 2020 , 95, 170-174	0.4	0
7	Patients Dissatisfaction with multifocal intraocular lenses managed by exchange with other multifocal lenses of different optical profiles.. <i>Eye and Vision (London, England)</i> , 2022 , 9, 8	4.9	0
6	Prevention and Management of Flap Striae After LASIK 2018 , 75-81		
5	Corneal Irregularity Following Refractive Surgery: Causes and Therapeutic Approaches 2018 , 187-198		
4	Anterior Segment OCT: Observations in Corneal Stroma Regeneration. <i>Essentials in Ophthalmology</i> , 2021 , 207-210	0.2	
3	Intracorneal Ring Segments and Keratoconus 2019 , 221-234		
2	Laser-assisted in situ keratomileusis long term outcomes in late adolescence. <i>European Journal of Ophthalmology</i> , 2021 , 31, 2307-2312	1.9	
1	Reply: Central Port Occlusion in Phakic Implantable Collamer Lenses. <i>Journal of Refractive Surgery</i> , 2021 , 37, 284-285	3.3	