David Madrid-Costa

List of Publications by Year
in descending order

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102 papers	2,240 citations	185998 28 h-index	288905 40 g-index
102 all docs	102 docs citations	102 times ranked	1143 citing authors

#	Article	IF	Citations
1	Effect of defocus combined with rotation on the optical performance of trifocal toric IOLs. European Journal of Ophthalmology, 2022, 32, 249-254.	0.7	3
2	Optical and Clinical Outcomes of an Extended Range of Vision Intraocular Lens. Journal of Refractive Surgery, 2022, 38, 168-176.	1.1	9
3	The Effect of Intracorneal Ring Segments Implantation for Keratoconus on In Vivo Corneal Biomechanics Assessed With the Corvis ST. Journal of Refractive Surgery, 2022, 38, 264-269.	1.1	4
4	Ocular Surface Temperature in DED under Natural Non-Controlled Blinking Conditions. Applied Sciences (Switzerland), 2022, 12, 4596.	1.3	0
5	Visual function, ocular surface integrity and symptomatology of a new extended depth-of-focus and a conventional multifocal contact lens. Contact Lens and Anterior Eye, 2021, 44, 101384.	0.8	5
6	Optical tolerance to rotation of trifocal toric intraocular lenses as a function of the cylinder power. European Journal of Ophthalmology, 2021, 31, 1007-1013.	0.7	6
7	Impact of contact lens wear on NLRP3 gene expression: Implications for ocular frailty in middle-aged adults. Experimental Eye Research, 2021, 202, 108356.	1.2	0
8	Visual and Tomographic Outcomes of a 300Â° Arc-length ICRS Implantation in Moderate to Advanced Central Keratoconus. Journal of Refractive Surgery, 2021, 37, 249-255.	1.1	5
9	Seven-year follow-up of posterior chamber phakic intraocular lens with central port design. Eye and Vision (London, England), 2021, 8, 23.	1.4	32
10	A New Pre-descemetic Corneal Ring (Neoring) in Deep Anterior Lamellar Keratoplasty for Moderate-Advanced Keratoconus: A Pilot 2-Year Long-Term Follow-Up Study. Frontiers in Medicine, 2021, 8, 771365.	1.2	1
11	Three-year follow-up of intrastromal corneal ring segment implantation in central keratoconus with regular astigmatism: â€˜Bow-tieâ€™ shape. European Journal of Ophthalmology, 2020, 30, 643-649.	0.7	9
12	Comparison of clinical outcomes between manual and femtosecond laser techniques for intrastromal corneal ring segment implantation. European Journal of Ophthalmology, 2020, 30, 1246-1255.	0.7	14
13	FemtoLASIK After Descemet Membrane Endothelial Keratoplasty. Cornea, 2020, 39, 468-472.	0.9	5
14	Intrastromal corneal ring segment implantation in paracentral keratoconus with perpendicular topographic astigmatism and comatic axis. European Journal of Ophthalmology, 2020, 31, 112067212095234.	0.7	9
15	Optical Performance of a Trifocal IOL and a Novel Extended Depth of Focus IOL Combined With Different Corneal Profiles. Journal of Refractive Surgery, 2020, 36, 435-441.	1.1	17
16	A Novel Automated Approach for Infrared-Based Assessment of Meibomian Gland Morphology. Translational Vision Science and Technology, 2019, 8, 17.	1.1	24
17	Comparison of the impact of nesofilcon A hydrogel contact lens on the ocular surface and the comfort of presbyopic and non-presbyopic wearers. International Journal of Ophthalmology, 2019, 11, 640-646.	0.5	6
18	Effects of Blink Rate on Tear Film Optical Quality Dynamics with Different Soft Contact Lenses. Journal of Ophthalmology, 2019, 2019, 1-8.	0.6	6

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19	Comparison of Complication Rates between Manual and Femtosecond Laser-Assisted Techniques for Intrastromal Corneal Ring Segments Implantation in Keratoconus. Current Eye Research, 2019, 44, 1291-1298.	0.7	26
20	The influence of meibomian gland loss on ocular surface clinical parameters. Contact Lens and Anterior Eye, 2019, 42, 562-568.	0.8	17
21	Dry Eye Disease and Refractive Corrections. Journal of Ophthalmology, 2019, 2019, 1-2.	0.6	0
22	Repeatability of Noninvasive Keratograph 5M Measurements Associated With Contact Lens Wear. Eye and Contact Lens, 2019, 45, 377-381.	0.8	20
23	Long-Term Follow-up of Intrastromal Corneal Ring Segment Implantation in Pediatric Keratoconus. Cornea, 2019, 38, 840-846.	0.9	23
24	Meibomian Gland Morphology: The Influence of Structural Variations on Gland Function and Ocular Surface Parameters. Cornea, 2019, 38, 1506-1512.	0.9	19
25	Randomized crossover trial of silicone hydrogel contact lenses. Contact Lens and Anterior Eye, 2019, 42, 475-481.	0.8	10
26	Characterisation of the porcine eyeball as an in-vitro model for dry eye. Contact Lens and Anterior Eye, 2018, 41, 13-17.	0.8	29
27	Impact of contact lens material and design on the ocular surface. Australasian journal of optometry, The, 2018, 101, 188-192.	0.6	12
28	The effect of ageing on the ocular surface parameters. Contact Lens and Anterior Eye, 2018, 41, 5-12.	0.8	22
29	Adjustment of Intrastromal Corneal Ring Segments After Unsuccessful Implantation in Keratoconic Eyes. Cornea, 2018, 37, 182-188.	0.9	12
30	Clinical Outcomes of Sequential Intrastromal Corneal Ring Segments and an Extended Range of Vision Intraocular Lens Implantation in Patients with Keratoconus and Cataract. Journal of Ophthalmology, 2018, 2018, 1-7.	0.6	8
31	Impact of a daily hydrogel contact lens with higher water content on the ocular surface of young and presbyopes wearers. Contact Lens and Anterior Eye, 2018, 41, S75.	0.8	0
32	Predictability of Tunnel Depth for Intrastromal Corneal Ring Segments Implantation Between Manual and Femtosecond Laser Techniques. Journal of Refractive Surgery, 2018, 34, 188-194.	1.1	26
33	Sequential intrastromal corneal ring segment and monofocal intraocular lens implantation for keratoconus and cataract: Long-term follow-up. Journal of Cataract and Refractive Surgery, 2017, 43, 246-254.	0.7	23
34	Long-Term Follow-up of Intrastromal Corneal Ring Segments (210-Degree Arc Length) in Central Keratoconus With High Corneal Asphericity. Cornea, 2017, 36, 1325-1330.	0.9	33
35	Soft multifocal simultaneous image contact lenses: a review. Australasian journal of optometry, The, 2017, 100, 107-127.	0.6	52
36	Objective assessment of the effect of pupil size upon the power distribution of multifocal contact lenses. International Journal of Ophthalmology, 2017, 10, 103-108.	0.5	12

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37	Long-Term Follow-Up of Intrastromal Corneal Ring Segments in Paracentral Keratoconus with Coincident Corneal Keratometric, Comatic, and Refractive Axes: Stability of the Procedure. Journal of Ophthalmology, 2017, 2017, 1-9.	0.6	17
38	Surgical Options for the Refractive Correction of Keratoconus: Myth or Reality. Journal of Ophthalmology, 2017, 2017, 1-18.	0.6	25
39	Accommodation in human eye models: a comparison between the optical designs of Navarro, Arizona and Liou-Brennan. International Journal of Ophthalmology, 2017, 10, 43-50.	0.5	5
40	Pilot Study on Visual Function and Fundus Autofluorescence Assessment in Diabetic Patients. Journal of Ophthalmology, 2016, 2016, 1-10.	0.6	7
41	Intrastromal Corneal Ring Segment Implantation in 409 Paracentral Keratoconic Eyes. Cornea, 2016, 35, 1421-1426.	0.9	50
42	Assessing the in vitro optical quality of presbyopic solutions based on the axial modulation transfer function. Journal of Cataract and Refractive Surgery, 2016, 42, 780-787.	0.7	7
43	Simulated prototype of posterior chamber phakic intraocular lens for presbyopia correction. Journal of Cataract and Refractive Surgery, 2015, 41, 2266-2273.	0.7	1
44	Repeatability of in vitro power profile measurements for multifocal contact lenses. Contact Lens and Anterior Eye, 2015, 38, 168-172.	0.8	20
45	Optical power distribution of refractive and aspheric multifocal contact lenses: Effect of pupil size. Contact Lens and Anterior Eye, 2015, 38, 317-321.	0.8	56
46	Visual Performance of Four Simultaneous-Image Multifocal Contact Lenses Under Dim and Glare Conditions. Eye and Contact Lens, 2015, 41, 19-24.	0.8	29
47	In vitro optical performance of a new aberration-free intraocular lens. Eye, 2014, 28, 614-620.	1.1	6
48	Optical performance of two new trifocal intraocular lenses: throughâ€focus modulation transfer function and influence of pupil size. Clinical and Experimental Ophthalmology, 2014, 42, 271-276.	1.3	43
49	In vitro power profiles of multifocal simultaneous vision contact lenses. Contact Lens and Anterior Eye, 2014, 37, 162-167.	0.8	32
50	Visual quality comparison of conventional and Hole-Visian implantable collamer lens at different degrees of decentering. British Journal of Ophthalmology, 2014, 98, 59-64.	2.1	24
51	Optical quality of aspheric toric intraocular lenses at different degrees of decentering. Graefe's Archive for Clinical and Experimental Ophthalmology, 2014, 252, 969-975.	1.0	20
52	Optical quality of hyperopic and myopic phakic intraocular lenses. Indian Journal of Ophthalmology, 2014, 62, 437.	0.5	7
53	Clinical outcomes after implantation of a posterior chamber collagen copolymer phakic intraocular lens with a central hole for myopic correction. Journal of Cataract and Refractive Surgery, 2013, 39, 915-921.	0.7	69
54	Femtosecond laserâ€“assisted intrastromal corneal ring segment implantation for high astigmatism correction after penetrating keratoplasty. Journal of Cataract and Refractive Surgery, 2013, 39, 1660-1667.	0.7	26

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55	In vitro optical quality differences between multifocal apodized diffractive intraocular lenses. Journal of Cataract and Refractive Surgery, 2013, 39, 928-936.	0.7	39
56	Optical Quality Comparison of Conventional and Hole-Visian Implantable Collamer Lens at Different Degrees of Decentering. American Journal of Ophthalmology, 2013, 156, 69-76.e1.	1.7	34
57	In vitro power profiles of daily disposable contact lenses. Contact Lens and Anterior Eye, 2013, 36, 247-252.	0.8	20
58	Effect of multizone refractive multifocal contact lenses on the Cirrus HD OCT retinal measurements. Australasian journal of optometry, The, 2013, 96, 53-57.	0.6	1
59	Visual performance of two simultaneous vision multifocal contact lenses. Ophthalmic and Physiological Optics, 2013, 33, 51-56.	1.0	38
60	Myopic astigmatism correction: comparison of a Toric Implantable Collamer Lens and a bioptics technique by an adaptive optics visual simulator. Ophthalmic and Physiological Optics, 2013, 33, 114-122.	1.0	8
61	Visual simulation through an aspheric aberrationâ€correcting intraocular lens in subjects with different corneal profiles using adaptive optics. Australasian journal of optometry, The, 2013, 96, 379-384.	0.6	5
62	The Effect of Anesthetic Eye Drop Instillation on the Distribution of Corneal Thickness. Cornea, 2013, 32, e102-e105.	0.9	14
63	Visual Quality Differences Between Orthokeratology and LASIK to Compensate Lowâ€“Moderate Myopia. Cornea, 2013, 32, 1137-1141.	0.9	8
64	Diurnal Variations in Visual Performance for Disposable Contact Lenses. Optometry and Vision Science, 2013, 90, 682-690.	0.6	10
65	Recovery Evaluation of Induced Changes in Higher Order Aberrations From the Anterior Surface of the Cornea for Different Pupil Sizes After Cessation of Corneal Refractive Therapy. Cornea, 2013, 32, e16-e20.	0.9	8
66	Inferior Intrastromal Corneal Ring Segments in Paracentral Keratoconus With No Coincident Topographic and Coma Axis. Journal of Refractive Surgery, 2013, 29, 266-272.	1.1	45
67	Optical Quality Differences Between Three Multifocal Intraocular Lenses: Bifocal Low Add, Bifocal Moderate Add, and Trifocal. Journal of Refractive Surgery, 2013, 29, 749-754.	1.1	79
68	Effect of Multizone Refractive Multifocal Contact Lenses on Standard Automated Perimetry. Eye and Contact Lens, 2012, 38, 278-281.	0.8	5
69	Changes in Accommodation and Ocular Aberration With Simultaneous Vision Multifocal Contact Lenses. Eye and Contact Lens, 2012, 38, 288-294.	0.8	22
70	Visual performance of the Akreos Adapt AO intraocular lens in patients with different corneal profiles measured with an adaptive optics visual simulator. British Journal of Ophthalmology, 2012, 96, 1099-1103.	2.1	3
71	OCT for Assessing Artificial Tears Effectiveness in Contact Lens Wearers. Optometry and Vision Science, 2012, 89, E62-E69.	0.6	14
72	â€œIn Situâ€•Corneal and Contact Lens Thickness Changes with High-Resolution Optical Coherence Tomography. Cornea, 2012, 31, 633-638.	0.9	11

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73	Visual Performance of a Multifocal Toric Soft Contact Lens. Optometry and Vision Science, 2012, 89, 1627-1635.	0.6	13
74	Visual acuity changes in presbyopic patients fitted with 3 multifocal contact lenses. Contact Lens and Anterior Eye, 2012, 35, e5.	0.8	0
75	Visual simulation through different intraocular lenses in patients with previous myopic corneal ablation using adaptive optics: Effect of tilt and decentration. Journal of Cataract and Refractive Surgery, 2012, 38, 774-786.	0.7	31
76	Visual simulation through different intraocular lenses using adaptive optics: Effect of tilt and decentration. Journal of Cataract and Refractive Surgery, 2012, 38, 947-958.	0.7	38
77	Statistical analysis of stereopsis in ophthalmology research. Graefe's Archive for Clinical and Experimental Ophthalmology, 2012, 250, 783-783.	1.0	0
78	Effect of Simulated IOL Tilt and Decentration on Spherical Aberration After Hyperopic LASIK for Different Intraocular Lenses. Journal of Refractive Surgery, 2012, 28, 327-335.	1.1	16
79	Depth of Focus Through Different Intraocular Lenses in Patients With Different Corneal Profiles Using Adaptive Optics Visual Simulation. Journal of Refractive Surgery, 2012, 28, 406-413.	1.1	10
80	Intrastromal corneal ring segments and posterior chamber phakic intraocular lens implantation for keratoconus correction. Journal of Cataract and Refractive Surgery, 2011, 37, 706-713.	0.7	46
81	Visual quality after diffractive intraocular lens implantation in eyes with previous hyperopic laser in situ keratomileusis. Journal of Cataract and Refractive Surgery, 2011, 37, 1090-1096.	0.7	29
82	Medium-term visual, refractive, and intraocular stability after implantation of a posterior chamber phakic intraocular lens to correct moderate to high myopia. Journal of Cataract and Refractive Surgery, 2011, 37, 1791-1798.	0.7	11
83	Reply : Keratoconus correction using intrastromal corneal ring segments and posterior chamber phakic intraocular lens implantation. Journal of Cataract and Refractive Surgery, 2011, 37, 1374-1375.	0.7	0
84	Accommodative Functions with Multifocal Contact Lenses: A Pilot Study. Optometry and Vision Science, 2011, 88, 998-1004.	0.6	24
85	Rebound tonometry for the measurement of intraocular pressure and its relation with gender and refractive errors in Mozambique. Therapy: Open Access in Clinical Medicine, 2011, 8, 555-561.	0.2	0
86	Stereoacuity with balanced presbyopic contact lenses. Australasian journal of optometry, The, 2011, 94, 76-81.	0.6	30
87	Stereopsis in bilaterally multifocal pseudophakic patients. Graefe's Archive for Clinical and Experimental Ophthalmology, 2011, 249, 245-251.	1.0	20
88	Intrastromal corneal ring segment implantation in 219 keratoconic eyes at different stages. Graefe's Archive for Clinical and Experimental Ophthalmology, 2011, 249, 1705-1712.	1.0	45
89	Changes in Accommodative Responses with Multifocal Contact Lenses: A Pilot Study. Optometry and Vision Science, 2011, 88, 1309-1316.	0.6	28
90	Comparison of Immersion Ultrasound, Partial Coherence Interferometry, and Low Coherence Reflectometry for Ocular Biometry in Cataract Patients. Journal of Refractive Surgery, 2011, 27, 665-671.	1.1	29

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91	Implantable Collamer Posterior Chamber Intraocular Lenses: A Review of Potential Complications. Journal of Refractive Surgery, 2011, 27, 765-776.	1.1	201
92	Stereoacuity with Simultaneous Vision Multifocal Contact Lenses. Optometry and Vision Science, 2010, 87, E663-E668.	0.6	33
93	Visual and optical performance with hybrid multifocal intraocular lenses. Australasian journal of optometry, The, 2010, 93, 426-440.	0.6	24
94	Bilateral Implantation of the Acri.LISA Bifocal Intraocular Lens in Myopic Eyes. European Journal of Ophthalmology, 2010, 20, 83-89.	0.7	18
95	Collagen copolymer toric posterior chamber phakic intraocular lenses to correct high myopic astigmatism. Journal of Cataract and Refractive Surgery, 2010, 36, 1349-1357.	0.7	31
96	The Tear Film and the optical Quality of the Eye. Ocular Surface, 2010, 8, 185-192.	2.2	84
97	Optical and visual performance of diffractive intraocular lens implantation after myopic laser in situ keratomileusis. Journal of Cataract and Refractive Surgery, 2009, 35, 825-832.	0.7	46
98	Reply : Diffractive intraocular lens power after myopic laser in situ keratomileusis. Journal of Cataract and Refractive Surgery, 2009, 35, 797.	0.7	2
99	Refractive lens exchange with spherical diffractive intraocular lens implantation after hyperopic laser in situ keratomileusis. Journal of Cataract and Refractive Surgery, 2009, 35, 1744-1750.	0.7	35
100	Visual and Refractive Outcomes in Hyperopic Pseudophakic Patients Implanted with the Acri.LISA 366D Multifocal Intraocular Lens. American Journal of Ophthalmology, 2009, 148, 214-220.e1.	1.7	26
101	Base Curve Influence on the Fitting and Comfort of the Senofilcon A Contact Lens. Journal of Optometry, 2009, 2, 90-93.	0.7	16
102	Visual quality after diffractive intraocular lens implantation in eyes with previous myopic laser in situ keratomileusis. Journal of Cataract and Refractive Surgery, 2008, 34, 1848-1854.	0.7	47