# Jaume Pujol Ramo

List of Publications by Year
in descending order



| 68 | 1,551 | 393982 | 360668 |
|---|---|---|---|
| papers | citations | 19 h-index | 35 g-index |

| 69 | 69 | 69 | 839 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Implementation of the Frequency Scatter Index in Clinical Commercially Available Double-pass Systems. Current Eye Research, 2022, 47, 391-398. | 0.7 | 1 |
| 2 | Whole anterior segment and retinal swept source OCT for comprehensive ocular screening. Biomedical Optics Express, 2021, 12, 1263. | 1.5 | 8 |
| 3 | Texture Evaluation of Automotive Coatings by Means of a Gonio-Hyperspectral Imaging System Based on Light-Emitting Diodes. Coatings, 2020, 10, 320. | 1.2 | 2 |
| 4 | Clinical evaluation of an automated subjective refraction method implemented in a computer-controlled motorized phoropter. Journal of Optometry, 2019, 12, 74-83. | 0.7 | 12 |
| 5 | Quantification of forward scattering based on the analysis of doubleâ€pass images in the frequency domain. Acta Ophthalmologica, 2019, 97, e1019-e1026. | 0.6 | 3 |
| 6 | Stimulus Unpredictability in Time, Magnitude, and Direction on Accommodation. Optometry and Vision Science, 2019, 96, 424-433. | 0.6 | 3 |
| 7 | Method to reduce undesired multiple fundus scattering effects in double-pass systems. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2019, 36, 918. | 0.8 | 2 |
| 8 | Optimization of a SS-OCT with a focus tunable lens for enhanced visualization of ocular opacities. , 2019, , . | | 0 |
| 9 | Tear film stability assessment by corneal reflex image degradation. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2019, 36, B110. | 0.8 | 1 |
| 10 | Random Changes of Accommodation Stimuli: An Automated Extension of the Flippers Accommodative Facility Test. Current Eye Research, 2018, 43, 788-795. | 0.7 | 6 |
| 11 | Visual outcome of penetrating keratoplasty, deep anterior lamellar keratoplasty and Descemet membrane endothelial keratoplasty. Journal of Optometry, 2018, 11, 174-181. | 0.7 | 13 |
| 12 | An automated and objective cover test to measure heterophoria. PLoS ONE, 2018, 13, e0206674. | 1.1 | 13 |
| 13 | Robust eye tracking based on multiple corneal reflections for clinical applications. Journal of Biomedical Optics, 2018, 23, 1. | 1.4 | 12 |
| 14 | Spherical subjective refraction with a novel 3D virtual reality based system. Journal of Optometry, 2017, 10, 43-51. | 0.7 | 16 |
| 15 | Effect of apparent depth cues on accommodation in a Badal optometer. Australasian journal of optometry, The, 2017, 100, 649-655. | 0.6 | 5 |
| 16 | Effect of Experimental Conditions in the Accommodation Response in Myopia. Optometry and Vision Science, 2017, 94, 1120-1128. | 0.6 | 8 |
| 17 | Does the Badal optometer stimulate accommodation accurately?. Ophthalmic and Physiological Optics, 2017, 37, 88-95. | 1.0 | 9 |
| 18 | Comparison of the Adaptive Optics Vision Analyzer and the KRâ€1 W for measuring ocular wave aberrations. Australasian journal of optometry, The, 2017, 100, 26-32. | 0.6 | 6 |

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|---|---|---|---|
| 19 | Validation of a gonio-hyperspectral imaging system based on light-emitting diodes for the spectral and colorimetric analysis of automotive coatings. Applied Optics, 2017, 56, 7194. | 0.9 | 4 |
| 20 | Suitability of open-field autorefractors as pupillometers and instrument design effects. International Journal of Ophthalmology, 2017, 10, 567-572. | 0.5 | 1 |
| 21 | Response for light scattered in the ocular fundus from double-pass and Hartmannâ€“Shack estimations. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2016, 33, 2150. | 0.8 | 1 |
| 22 | Visual and instrumental assessments of color differences in automotive coatings. Color Research and Application, 2016, 41, 384-391. | 0.8 | 19 |
| 23 | Effects of aging on optical quality and visual function. Australasian journal of optometry, The, 2016, 99, 518-525. | 0.6 | 41 |
| 24 | Double-pass technique and compensation-comparison method in eyes with cataract. Journal of Cataract and Refractive Surgery, 2016, 42, 1461-1469. | 0.7 | 27 |
| 25 | The minimum number of measurements for colour, sparkle, and graininess characterisation in gonio-apparent panels. Coloration Technology, 2015, 131, 303-309. | 0.7 | 10 |
| 26 | Comparing Autorefractors for Measurement of Accommodation. Optometry and Vision Science, 2015, 92, 1003-1011. | 0.6 | 22 |
| 27 | Binocular open-view system to perform estimations of aberrations and scattering in the human eye. Applied Optics, 2015, 54, 9504. | 2.1 | 5 |
| 28 | Assessment of multifocal contact lens over-refraction using an infrared, open-field autorefractor: A preliminary study. Contact Lens and Anterior Eye, 2015, 38, 322-326. | 0.8 | 3 |
| 29 | Artwork imaging from 370 to 1630 nm using a novel multispectral system based on lightâ€emitting diodes. Color Research and Application, 2015, 40, 398-407. | 0.8 | 3 |
| 30 | Repeatability of Aberrometric Measurements With a New Instrument for Vision Analysis Based on Adaptive Optics. Journal of Refractive Surgery, 2015, 31, 188-194. | 1.1 | 18 |
| 31 | Discrimination between Surgical and Nonsurgical Nuclear Cataracts Based on ROC Analysis. Current Eye Research, 2014, 39, 1187-1193. | 0.7 | 11 |
| 32 | Technical improvements applied to a double-pass setup for performance and cost optimization. Optical Engineering, 2014, 53, 061710. | 0.5 | 3 |
| 33 | Repeatability, reproducibility, and accuracy of a novel pushbroom hyperspectral system. Color Research and Application, 2014, 39, 549-558. | 0.8 | 7 |
| 34 | Portable multispectral imaging system based on light-emitting diodes for spectral recovery from 370 to 1630â€‰â€‰nm. Applied Optics, 2014, 53, 3131. | 0.9 | 11 |
| 35 | Optical quality and intraocular scattering assessed with a double-pass system in eyes with contact lens induced corneal swelling. Contact Lens and Anterior Eye, 2014, 37, 278-284. | 0.8 | 10 |
| 36 | Spectral LED-Based Tuneable Light Source for the Reconstruction of CIE Standard Illuminants. Lecture Notes in Computer Science, 2014, , 115-123. | 1.0 | 5 |

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|---|---|---|---|
| 37 | Ageâ€related changes in accommodation measured with a doubleâ€pass system. Ophthalmic and Physiological Optics, 2013, 33, 508-515. | 1.0 | 13 |
| 38 | Non-cycloplegic spherical equivalent refraction in adults: comparison of the double-pass system, retinoscopy, subjective refraction and a table-mounted autorefractor. International Journal of Ophthalmology, 2013, 6, 618-25. | 0.5 | 6 |
| 39 | Comparison between an objective and a psychophysical method for the evaluation of intraocular light scattering. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2012, 29, 1293. | 0.8 | 15 |
| 40 | Grading nuclear, cortical and posterior subcapsular cataracts using an objective scatter index measured with a double-pass system. British Journal of Ophthalmology, 2012, 96, 1204-1210. | 2.1 | 50 |
| 41 | Optical quality after myopic photorefractive keratectomy and laser in situ keratomileusis: Comparison using a double-pass system. Journal of Cataract and Refractive Surgery, 2012, 38, 16-27. | 0.7 | 43 |
| 42 | Task oriented visual satisfaction and wearing success with two different simultaneous vision multifocal soft contact lenses. Journal of Optometry, 2011, 4, 76-84. | 0.7 | 19 |
| 43 | Objective optical assessment of tear-film quality dynamics in normal and mildly symptomatic dry eyes. Journal of Cataract and Refractive Surgery, 2011, 37, 1481-1487. | 0.7 | 100 |
| 44 | An Objective Scatter Index Based on Double-Pass Retinal Images of a Point Source to Classify Cataracts. PLoS ONE, 2011, 6, e16823. | 1.1 | 194 |
| 45 | Optical quality and intraocular scattering in a healthy young population. Australasian journal of optometry, The, 2011, 94, 223-229. | 0.6 | 81 |
| 46 | Response to the Letter to the Editor by Dr van den Berg. Australasian journal of optometry, The, 2011, 94, 393-395. | 0.6 | 3 |
| 47 | Iris color and texture: A comparative analysis of real irises, ocular prostheses, and colored contact lenses. Color Research and Application, 2011, 36, 373-382. | 0.8 | 6 |
| 48 | Luminance adaptation model for increasing the dynamic range of an imaging system based on a CCD camera. Optik, 2011, 122, 1367-1372. | 1.4 | 4 |
| 49 | Use of Light-Emitting Diodes in Multispectral Systems Design: Variability of Spectral Power Distribution According to Angle and Time of Usage. Journal of Imaging Science and Technology, 2011, 55, 050501. | 0.3 | 2 |
| 50 | Automatic multispectral ultraviolet, visible and near-infrared capturing system for the study of artwork. , 2011, , . | | 1 |
| 51 | Intra- and Intersession Repeatability of a Double-Pass Instrument. Optometry and Vision Science, 2010, 87, 675-681. | 0.6 | 57 |
| 52 | Effect of laser in situ keratomileusis on vision analyzed using preoperative optical quality. Journal of Cataract and Refractive Surgery, 2010, 36, 1945-1953. | 0.7 | 29 |
| 53 | Optical quality of foldable monofocal intraocular lenses before and after injection. Journal of Cataract and Refractive Surgery, 2009, 35, 1415-1423. | 0.7 | 54 |
| 54 | Optical Quality One Month After Verisyse and Veriflex Phakic IOL Implantation and Zeiss MEL 80 LASIK for Myopia From 5.00 to 16.50 Diopters. Journal of Refractive Surgery, 2009, 25, 689-698. | 1.1 | 52 |

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|---|---|---|---|
| 55 | Characterization of the human iris spectral reflectance with a multispectral imaging system. Applied Optics, 2008, 47, 5622. | 2.1 | 31 |
| 56 | Stray-light correction of in-water array spectroradiometers. Effects on underwater optical measurements. , 2008, , . | | 4 |
| 57 | Optimized algorithm for the spatial nonuniformity correction of an imaging system based on a charge-coupled device color camera. Applied Optics, 2007, 46, 167. | 2.1 | 22 |
| 58 | A device for the color measurement and detection of spots on the skin. Skin Research and Technology, 2007, 14, 070309091702006-???. | 0.8 | 15 |
| 59 | Comparison of the Retinal Image Quality with a Hartmann-Shack Wavefront Sensor and a Double-Pass Instrument. , 2006, 47, 1710. | | 195 |
| 60 | Curvature sensor for ocular wavefront measurement. Optics Letters, 2006, 31, 2245. | 1.7 | 27 |
| 61 | Multispectral system for reflectance reconstruction in the near-infrared region. Applied Optics, 2006, 45, 4241. | 2.1 | 19 |
| 62 | Concerning the calculation of the color gamut in a digital camera. Color Research and Application, 2006, 31, 399-410. | 0.8 | 20 |
| 63 | Optical Quality Analysis System. Journal of Cataract and Refractive Surgery, 2004, 30, 1598-1599. | 0.7 | 110 |
| 64 | Confocal Microscopy of Corneas With an Intracorneal Lens for Hyperopia. Journal of Refractive Surgery, 2004, 20, 778-782. | 1.1 | 18 |
| 65 | Spectral-reflectance reconstruction in the near-infrared region by use of conventional charge-coupled-device camera measurements. Applied Optics, 2003, 42, 1788. | 2.1 | 3 |
| 66 | Characterization of a digital camera as an absolute tristimulus colorimeter. , 2003, , . | | 12 |
| 67 | NIR spectrophotometric system based on a conventional CCD camera. , 2003, , . | | 0 |
| 68 | Influence of amount and changes in axis of astigmatism on retinal image quality. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 1998, 15, 2514. | 0.8 | 25 |