



EDITORIAL

Journal of Optometry Impact Factor: it's been a long way to here



From its inception in 2008, Journal of Optometry (JOptom) had the aspiration to be indexed in the most respected scientific databases. Even acknowledging the limitations of “weighting” the value of journals, authors or publications by means of citation indexes, there is no doubt that objective quantitative metrics, in conjunction with individual quality evaluation are relevant to assess, benchmark and follow the evolution of scientific productivity dynamics in the mid-to-long term.¹⁻⁵

It was back in 2007 when 3 colleagues independently discussed the opportunity to expand the publication potential of a fast-growing field of Optometry and Vision Science in Europe and around the World. They eventually came together to discuss the idea and with the courage and support of the Spanish General Council of Optometry, and a remarkable list of Editorial Board Members, the first issue of JOptom was published in June 2008. The international impact of the Journal was immediately recognized, with most of the publications over the past years coming from all continents, and being read by many others in nearly any country around the globe.^{6,7}

Over the years, JOptom has established as a leading journal in the field of Optometry and related health care professions. For a review of the different milestones of the Journal over the years we summarize the most relevant ones in Table 1 of a previous editorial.⁸ A graphical overview of the indexing outcomes is given in Figure 1. The achievements of JOptom were quantitatively world-wide recognized by several respected databases,⁶ including the Emerging Science Citation Index (ESCI) in 2020, but the aspiration of getting a Journal Impact Factor (JIF) seemed to be distant despite the top ranked position of the JOptom in ESCI.

The lack of Web of Science (WoS) JIF, might have limited the possibility of many researchers in academy to publish their research in this Journal, but did not avoid thousands of authors submitting and getting published high quality papers with us. In a landscape where many other journals appear and disappear over the years, we take this opportunity to thank them all for their trust and permanent support. Due to the high rejection rate of the journal, many other authors

could not see their research highlighted in one of the sixty issues published so far. Even for those we do hope that our editors and reviewers had made valuable contributions through the peer-review process.

By July 26th, 2022, Clarivate's Editor-in-Chief & Vice President Editorial, Web of Science announced that Journals indexed in ESCI will have an impact factor.⁷ This means that by June 2023, JOptom will have an impact factor assigned. It took a while, but JOptom will be soon in the position to allow scientists around the world to see their work published in an Open Access Journal.

After the previous major indexing leaps back in 2014, 2020 and 2021,⁸⁻¹⁰ getting a JIF is not the end, but the beginning of new challenges to keep JOptom ranking high in a very competitive environment of the current Open Access scientific publication.

JOptom is in perfect shape to encompass the accelerated transition in technologies in vision science field and will be an excellent platform to project the research results of an interdisciplinary audience of authors and readers. Now with the additional appeal of a full recognition by all from those

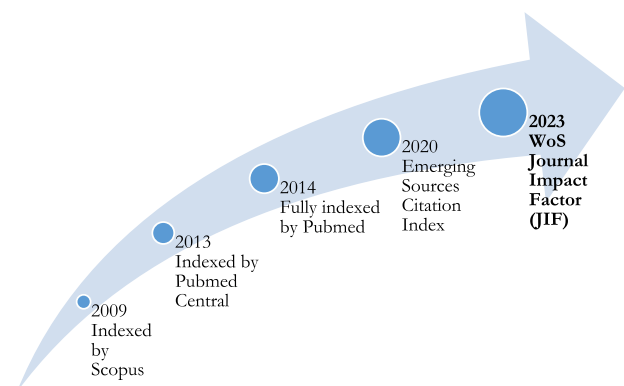


Figure 1 Some of the major indexing milestones achieved by Journal of Optometry.

<https://doi.org/10.1016/j.optom.2022.12.001>

1888-4296/© 2022 Spanish General Council of Optometry. Published by Elsevier España, S.L.U. This is an open access article under the CC BY-NC-ND license (<http://creativecommons.org/licenses/by-nc-nd/4.0/>).

who find value in their research published in journals indexed in Scopus, Pubmed or Clarivate WoS. The special issue on “Artificial Intelligence, Data Science and E-health in Vision Research and Clinical Activity”¹¹ is an excellent example we invite all to read and get a glimpse into the future of visual science,¹² from professional and academic perspectives for Artificial Intelligence in eyecare,¹³⁻¹⁵ to big data analysis,¹⁶ or the effective use of artificial intelligence and machine learning tools for deriving ocular refraction¹⁷ or detecting ocular disease.¹⁸⁻²²

References

- Cardona G, Puigdueta-Carrera L, Efron N. Optometry research in Spain: Topics of interest, institutions and investigators. *J Optom.* 2022 Jan 10. <https://doi.org/10.1016/j.optom.2021.12.003>. Epub ahead of print. PMID: 35027317.
- Efron N, Jones LW, Morgan PB, Nichols JJ. Bibliometric analysis of the literature relating to silicone hydrogel and daily disposable contact lenses. *J Optom.* 2022 Jan-Mar;15(1):44–52. <https://doi.org/10.1016/j.optom.2021.05.003>. Epub 2021 Oct 3. PMID: 34615612; PMCID: PMC8712540.
- Nichols JJ, Morgan PB, Efron N, Jones LW. Global optometrist research ranking derived from a science-wide author database of standardised citation indicators. *Clin Exp Optom.* 2022 Jan; 105(1):20–25. <https://doi.org/10.1080/08164622.2021.1981744>. Epub 2021 Nov 23. PMID: 34814804.
- Cardona G, Sanz JP. Publication analysis of the contact lens field: what are the current topics of interest? *J Optom.* 2015 Jan-Mar;8(1):33–39. <https://doi.org/10.1016/j.optom.2014.02.003>. Epub 2014 Mar 25. PMID: 25649639; PMCID: PMC4314624.
- Ruiz-Pomeda A, Álvarez-Peregrina C, Povedano-Montero FJ. Bibliometric study of scientific research on optometric visual therapy. *J Optom.* 2020 Jul-Sep;13(3):191–197. <https://doi.org/10.1016/j.optom.2019.12.007>. Epub 2020 May 30. PMID: 32487462; PMCID: PMC7301205.
- González-Méijome JM. *Journal of Optometry bibliometrics.* *J Optom.* 2020;13(2):71–73.
- Quaderi N. Announcing changes to the 2023 Journal Citation Reports. Available at: <https://clarivate.com/blog/clarivate-announces-changes-to-the-2023-journal-citation-reports-release/> Accessed: December 6th, 2022.
- González-Méijome JM, Piñero Lloréns D, Villa-Collar C. Journal of Optometry in PubMed and PubMed Central. *J Optom.* 2014 Apr-Jun;7(2):67. <https://doi.org/10.1016/j.optom.2014.03.003>. PMID: 24766861; PMCID: PMC4009464.
- González-Méijome JM. *Journal of Optometry in Emerging Sources Citation Index (ESCI) and peer-review process during COVID-19 pandemic.* *J Optom.* 2020;13(4):213–215.
- González-Méijome JM, Piñero DP, Villa-Collar C. Journal of Optometry ranks high in Emerging Sources Citation Index (ESCI). *J Optom.* 2021 Oct-Dec;14(4):297–298. <https://doi.org/10.1016/j.optom.2021.09.004>. PMID: 34756274; PMCID: PMC8569384.
- Rozema J, Biarnés M, Gatinel D, Zeboulon P. Artificial Intelligence, Data Science and E-health in Vision Research and Clinical Activity. Available at: <https://www.sciencedirect.com/journal/journal-of-optometry/vol/15/suppl/S1>. Accessed: December 6th, 2022.
- González-Méijome JM, Piñero DP, Villa-Collar C. Upcoming Special Issue: "Artificial Intelligence, Data Science and E-health in Vision Research and Clinical Activity. *J Optom.* 2022 Jan-Mar; 15(1):1–2. <https://doi.org/10.1016/j.optom.2021.11.003>. PMID: 34933741; PMCID: PMC8712606; and; <https://www.sciencedirect.com/journal/journal-of-optometry/vol/15/suppl/S1>.
- Stuermer L, Martin R. Characterization of technologies in digital health applied in vision care. *J Optom.* 2022 Sep 19. <https://doi.org/10.1016/j.optom.2022.09.005>.
- Scanzera AC, Shorter E, Kinnaird C, Valikodath N, Al-Khaled T, Cole E, Kravets S, Hallak JA, McMahon T, Chan RVP. Optometrist's perspectives of Artificial Intelligence in eye care. *J Optom.* 2022 Sep 19. <https://doi.org/10.1016/j.optom.2022.06.006>. Epub ahead of print. PMID: 36137899.
- Martinez-Perez C, Alvarez-Peregrina C, Villa-Collar C, Sánchez-Tena MÁ. Artificial intelligence applied to ophthalmology and optometry: A citation network analysis. *J Optom.* 2022 Sep 20. <https://doi.org/10.1016/j.optom.2022.06.005>. Epub ahead of print. PMID: 36151035.
- Longwill S, Moore M, Flitcroft DI, Loughman J. Using electronic medical record data to establish and monitor the distribution of refractive errors. *J Optom.* 2022 Oct 8. <https://doi.org/10.1016/j.optom.2022.09.001>. Epub ahead of print. PMID: 36220741.
- Hernández CS, Gil A, Casares I, Poderoso J, Wehse A, Dave SR, Lim D, Sánchez-Montañés M, Lage E. Prediction of manifest refraction using machine learning ensemble models on wavefront aberrometry data. *J Optom.* 2022 Apr 14. <https://doi.org/10.1016/j.optom.2022.03.001>. Epub ahead of print. PMID: 35431181.
- Zéboulon P, Panthier C, Rouger H, Bijon J, Ghazal W, Gatinel D. Development and validation of a pixel wise deep learning model to detect cataract on swept-source optical coherence tomography images. *J Optom.* 2022 Oct 10. <https://doi.org/10.1016/j.optom.2022.08.003>. Epub ahead of print. PMID: 36229338.
- Ferro Desideri L, Rutigliani C, Corazza P, Nastasi A, Roda M, Nicolo M, Traverso CE, Vagge A. The upcoming role of Artificial Intelligence (AI) for retinal and glaucomatous diseases. *J Optom.* 2022 Oct 7. <https://doi.org/10.1016/j.optom.2022.08.001>. Epub ahead of print. PMID: 36216736.
- García-Jiménez A, Consejo A. Suspect glaucoma detection from corneal densitometry supported by machine learning. *J Optom.* 2022 Oct 7. <https://doi.org/10.1016/j.optom.2022.09.002>. Epub ahead of print. PMID: 36210294.
- Kugelman J, Alonso-Caneiro D, Read SA, Collins MJ. A review of generative adversarial network applications in optical coherence tomography image analysis. *J Optom.* 2022 Oct 12. <https://doi.org/10.1016/j.optom.2022.09.004>. Epub ahead of print. PMID: 36241526.
- Chowdhury AZME, Mann G, Morgan WH, Vukmirovic A, Mehnert A, Soheli F. MSGANet-RAV: A multiscale guided attention network for artery-vein segmentation and classification from optic disc and retinal images. *J Optom.* 2022 Nov 14. <https://doi.org/10.1016/j.optom.2022.11.001>. Epub ahead of print. PMID: 36396540.

José M. González-Méijome^{1,*}, David P. Piñero², César Villa-Collar³

¹ Editor-in-Chief, *Clinical and Experimental Optometry Research Lab (CEORLab)*, Center of Physics, University of Minho

² Associate Editor-in-Chief, Department of Optics, Pharmacology and Anatomy, University of Alicante, Spain

³ Managing Editor, Department of Pharmacy, Biotechnology, Nutrition, Optics and Optometry, Faculty of Biomedical and Health Sciences, European University of Madrid, Madrid, Spain

* Corresponding author: José M. González-Méijome, PhD, CEORLab – Center of Physics, University of Minho, Portugal.

E-mail address: jgmeijome@fisica.uminho.pt (J.M. González-Méijome).