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Ab Aziz, S.^a, Mohd Nasir, M.H.^b, Jusoh, A.R.^a, Azman, K.F.^c, Ismail, C.A.N.^c, Ahmad, A.H.^c, Othman, Z.^c, Zakaria, R.^c

Global research Activity on olfactory marker protein (OMP): A bibliometric and visualized analysis
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^a School of Health Sciences, Health Campus, Universiti Sains Malaysia, Kelantan, Kota Bharu, 16150, Malaysia

^b Department of Biotechnology, Kulliyah of Science, International Islamic University Malaysia, Pahang, Kuantan, 25200, Malaysia

^c School of Medical Sciences, Health Campus, Universiti Sains Malaysia, 16150 Kota Bharu, Kelantan, Malaysia

Abstract

Olfactory marker protein (OMP) is extensively studied in mature olfactory receptor neurons (ORNs) for understanding olfaction physiology. However, no bibliometric analysis on this topic exists. We conducted a bibliometric analysis of OMP research articles, wherein the publication count was assessed by year, country, journal, and author, collaboration by country, and productivity of the authors. Additionally, key terms and research themes were identified. Using the search phrase “olfactory marker protein” in Scopus, we retrieved 691 original research articles by 2487 authors since 1974. Publications showed an increasing trend, with the United States leading in quantity and collaboration. Our thematic map highlights “Olfactory bulb, regeneration, olfactory” as the primary research domain, while “olfaction, olfactory sensory neuron, glomerulus” and “olfactory receptor neurons, apoptosis, olfactory dysfunction” emerge as essential future research topics. These bibliometric findings offer insights into the global OMP research landscape, guiding researchers in potential collaborations and intriguing future research fields. © 2024 The Authors

Author Keywords

Bibliometrix; Olfactory marker protein; Olfactory receptor neurons; Scopus; VOSviewer

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Correspondence Address

Zakaria R.; School of Medical Sciences, 16150 Kota Bharu, Kelantan, Malaysia; email: rahimah@usm.my

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