



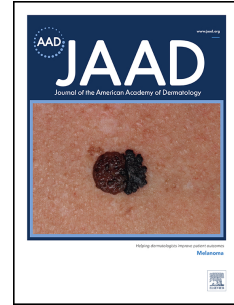
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Journal Pre-proof

Trends in bibliometric indexes of the main dermatology journals (2009-2019).

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7 **Running head:** Impact factor of the dermatology journals

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45 **Abbreviation list**

46 BI: bibliometric index

47 IF: impact factor

48 JAAD: The Journal of the American Academy of Dermatology

49 JCR: Journal Citation Reports

50 Dear Editor,

51

52 The two-year impact factor (IF) from Journal Citation Reports (JCR) is
53 the most commonly used bibliometric index (BI) for assessing the influence of a
54 scientific journal. It reproduces the citations of articles within JCR publications
55 over the previous two years.¹ In 2019, the Journal of the American Academy of
56 Dermatology (JAAD) had 4,296 citations from 519 citable articles published in
57 2018 and 2019, resulting in a 2019-IF: $4,296/519=8.277$.

58 The time trend of a specific journal's IF can reflect effective editorial
59 policies.² However, self-citations, open access, industry sponsorship, type of
60 article (e.g., reviews), amount of citable articles, and social interest (e.g.,
61 COVID-19) have been proven to influence the IF.^{2,3}

62 Several indexes have been proposed to assess different aspects of
63 scientific influence. For example, the Immediacy Index reflects the citations of
64 articles in the same year they were published, indicating that the
65 contemporaneity of the journal matters. As up to 20% of IF can be inflated
66 through self-citations, the two-year IF without self-citations reflects the actual
67 external influence of the articles. The Eigenfactor Score is a five-year index
68 weighted by the influence of the citing journals in all the JCR network, which
69 results in a robust BI to evaluate the impact of a journal, because self-citations
70 are excluded, despite being inflated by the amount of citable articles of the
71 journal.^{4,5}

72 Here, we aimed to perform a 10-year analysis on three BI of the main
73 dermatology journals: IF, Eigenfactor Score and Immediacy Index. .

74 The median IF of dermatology journals increased by 27.1% (from 1.667
75 to 2.118), while the dermatology journals accounted for in JCR increased by
76 23.6% (from 55 to 68) between 2010 and 2019.

77 The five highest-rated dermatology journals in 2019 accounted for 38.1%
78 of all dermatology citations (107,634/282,798). A greater IF increase in the last
79 decade was observed in journals that publish preferably clinical articles (Figure

80 1): JAAD (94%), JAMA Dermatology (83%), and British Journal of Dermatology
81 (61%).

82 The trend of the Eigenfactor Score for these journals (Figure 2) disclosed
83 a noteworthy performance of JEADV (91%), in contrast to the Journal of
84 Investigative Dermatology (-33%), while the other journals had a slight variation
85 of this index.

86 Finally, the Immediacy Index has confirmed the increase in the rising
87 influence of the dermatology clinical journals: JAAD (388%), BJD (383%), JAMA
88 dermatology (235%), and JEADV (126%). Mendeley supplemental figure
89 presents the trend on Immediacy Index and supplemental table presents the
90 2019 most important BI from the 20 highest-rated dermatology journals.

91 Clinical journals account for most of the citations and overall impact in
92 dermatologic science. The performance of dermatology journals regarding their
93 bibliometric indexes is important in competing for research funding or
94 scholarships.⁵

95 Finally, bibliometric indexes are based on the performance of all articles
96 from a specific journal. A high-impact journal is not a guarantee of value for an
97 article published in it, nor are only weak articles published in low-impact
98 journals. Furthermore, it is time to move forward in understanding other
99 bibliometric indexes for a more complete evaluation of journals' scientific
100 influence.⁴

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118 **Figure 1.** Trends in two-year JCR impact factor for the five highest-rated dermatology journals.

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121 JAAD: Journal of the American Academy of Dermatology – 2019: 4,296 citations.

122 JAMAderm: JAMA Dermatology – 2019: 1,834 citations.

123 JID: Journal of Investigative Dermatology – 2019: 3,486 citations.

124 BJD: British Journal of Dermatology – 2019: 3,836 citations.

125 JEADV: Journal of the European Academy of Dermatology and Venereology – 2019: 2,944 citations.

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128 **Figure 2.** Trends in two-year JCR Eigenfactor Score for the five highest-rated dermatology
129 journals.

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131 JAAD: Journal of the American Academy of Dermatology – 2019: 283 citable articles.

132 JAMAderm: JAMA Dermatology – 2019: 109 citable articles.

133 JID: Journal of Investigative Dermatology – 2019: 218 citable articles.

134 BJD: British Journal of Dermatology – 2019: 237 citable articles.

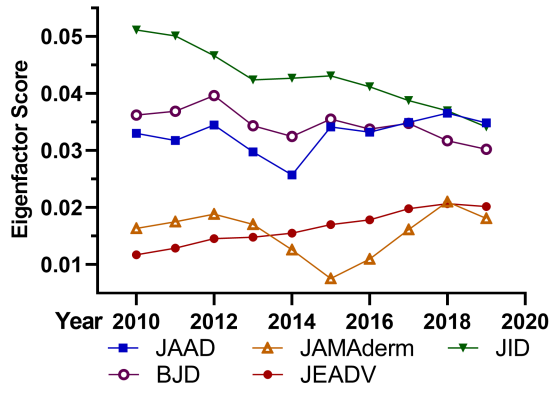
135 JEADV: Journal of the European Academy of Dermatology and Venereology – 2019: 308 citable articles.

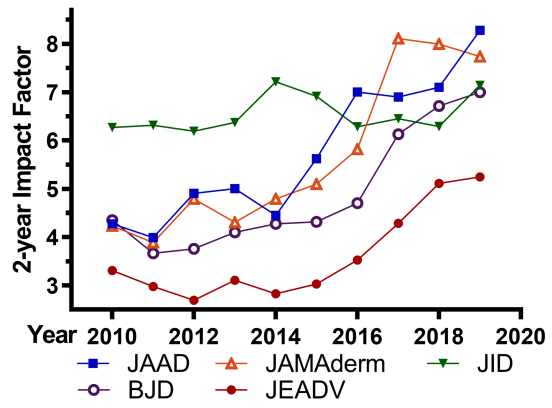
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