Zeitschrift für Medizinische Physik, Band 26, Nr. 4; *author´s preprint version*

FORUM

Highly cited articles in „Zeitschrift für Medizinische Physik“

Meistzitierte Artikel in „Zeitschrift für Medizinische Physik“

From the beginning the „Zeitschrift für Medizinische Physik” was a journal for the members of the scientific societies of Medical Physicists in Germany (DGMP), Austria (ÖGMP) and Switzerland (SGSMP), offering publication also for young investigators. Additionally short contributions are welcome which demonstrate new ideas or discoveries with potential impact for Medical Physics. „Zeitschrift für Medizinische Physik“ is a journal based mainly on the contributions of the members of the societies supporting their effort in publishing state-of-the-art work for the scientific community with presence and accessibility in high quality databases.

The journal „Zeitschrift für Medizinische Physik“ now has completed 25 years of publication. In 2007 it has been included in the “Current Contents” database and been prepared for the calculation of its first impact factor (Thomson & Reuters, ISI Web of Knowledge℠). The impact factor 2.085 for 2015 (Impact Factor 2015 = citations to papers of 2014 and 2013 / number of papers in 2014 and 2013 = 123/59 = 2.085) is the result of constant efforts of the members of the societies together with the editorial board for many years in developing a high quality journal with interesting articles in Medical Physics. „Zeitschrift für Medizinische Physik“ is playing now in the premier league competing with international leading journals – but impact factor is not all. Of course, nowadays bibliographical values can be easily extracted and used for measuring productivity of persons (Hirsch-index) or institutions (e.g. in Germany LOM factor). But other guiding principles, being a journal from the members for the members, also influence the editorial practice independent from the actual value of impact factor.

Since 2009 the journal has got a yearly increasing impact factor until 2014 [1]. From 2001 the articles are captured in the ISI Web of Science™ [2], since 2000 in the Scopus database [3]. Scopus calculates its own index for the journal impact, called IPP (impact per publication) [4] being 2.118 for this journal in 2015 which takes the last three years into account and shows a similar trend as the well-known impact factor. These indices are indicators for the high interest gained by the published articles. Although the homepage of the journal [5] shows the most cited articles since 2010 of Scopus, there is no long-term overview. Table 1 lists the ten most cited articles in the last sixteen years of both databases and the corresponding position. The citation counts are different, as the Scopus database contains more journals than Web of Science, and therefore the position numbers are slightly variant. There are three references [6–8] in the table about topics not related to ionizing radiation, illustrating the successful effort of the editors to publish in all areas of Medical Physics.

Online: http://www.sciencedirect.com/science/article/pii/S093938891630071X
Since 17.10.2016

Table: survey data are from 02.08.2016

1st Author	Year	Reference	Scopus No.	Scopus Citations	Web of Science No.	Web of Science Citations
Fercher, AF	2010	[6]	1	93	1	77
Pedroni, E	2004	[9]	2	88	2	75
Lomax, A	2004	[10]	3	70	3	60
Kragl, G	2011	[11]	4	51	6	41
Flux, G	2006	[12]	5	49	4	49
Sarrut, D	2006	[13]	6	44	5	44
Bech, M	2010	[14]	7	41	8	35
Van den Berg, T	2013	[7]	8	38	7	35
Jenne, J	2012	[8]	9	37	10	29
Deistung, A	2006	[15]	10	34	9	31

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