

Editorial Letter

Innovative Progresses of the *Chinese Journal of Physiology* in 2012

Da-Tian Bau^{1,2}, Hsiao-Fung Pu³, Chia-Wen Tsai², and Paulus S. Wang^{3,4,5}

¹Graduate Institute of Clinical Medical Science, China Medical University, Taichung 40402

²Terry Fox Cancer Research Laboratory, China Medical University Hospital, Taichung 40402

³Department of Physiology, School of Medicine, National Yang-Ming University, Taipei 11221

⁴Graduate Institute of Basic Medical Science, Ph.D. Program for Aging, China Medical University
Taichung 40402

and

⁵Department of Biotechnology, Asia University, Taichung 41354, Taiwan, Republic of China

In 2012, the whole world has defeated several dramatically challenges from economic crisis, political instability, and even the end-date of the world in Mayan calendar. Innovation, which means keeping on making changes, seems to be the best policy in successful surviving and self-improving. As for the innovation of the *Chinese Journal of Physiology* in 2012, the editorial board has been renewed, the quantity and quality of the published papers has been upgraded, and the level of internationalization has been upraised. We have to say that some things are never changed and the base of innovation. First, our goal is to make the *Chinese Journal of Physiology* the top journal for those translational scientists who are interested in the prevention, prediction, management and eradication of human diseases. Second, our appreciation to all the authors, reviewers, readers and colleagues of the *Chinese Journal of Physiology* should always be the source of enthusiasm and responsibility to face the new-coming re-upraising era. Below, we concisely summarize some achievements of the *Chinese Journal of Physiology* in 2012, and communicate some ideas with each of you to reach some consensuses for the coming innovative era.

It is a golden harvest of 2012 that the annual publication of scientific journal impact factor has been raised from 0.558 in 2011 to 0.748 in 2012. As defined by the Institute of Scientific Information (ISI), the 2012 impact factor is calculated by the number of 2012 citations from the total 2010 and 2011 contents of the journal divided by the total number of 2010-2011 citable items (sum of the original research papers, reviews, and technical papers, but

not those editorials, letters to the editor, news, abstracts, and proceeding items). The number of citable publications in the 2010-2011 issues of the *Chinese Journal of Physiology* is 103, and the number of citations to these in 2012 is 77. The fact produces a 2012 impact factor for the *Chinese Journal of Physiology* with 0.748, a slight increase compared to the last year (Fig. 1A). Also from the long-term evaluation angle, the five-year impact factor of the *Chinese Journal of Physiology* has been significantly raised to 0.848 from 0.743 in 2011. The increase of five-year impact factor of the *Chinese Journal of Physiology* showed that our journal is indeed in a mature and up-hilling status (Fig. 1B). The third index we would like to analysis here is the long-term analysis of the ranking of the *Chinese Journal of Physiology* in the physiology field. There were 74, 75, 78, 79 and 79 journals during 2008 to 2012 in the physiology field. The stably increasing trend did not show us a cruel truth, the field is so competing that some journals may fail in keeping themselves being listed as SCI ones. The total numbers of journals has increased from 75 to 79 from 2009 to 2012, and the *Chinese Journal of Physiology* was steadily listed as 72th in this field in 2012 (Fig. 1C). In Figure 1D, we can find that the article influence score has been raised from 0.157 in 2011 to 0.716 in 2012 (Fig. 1D). The last report we provide here is not available online but of a very special meaning. Dr. Pu, who has devoted himself in tracking and evaluating each paper published in the *Chinese Journal of Physiology* for many years, has mined an underground highlight that the numbers of papers being cited in the *Chinese Journal of Physiology*

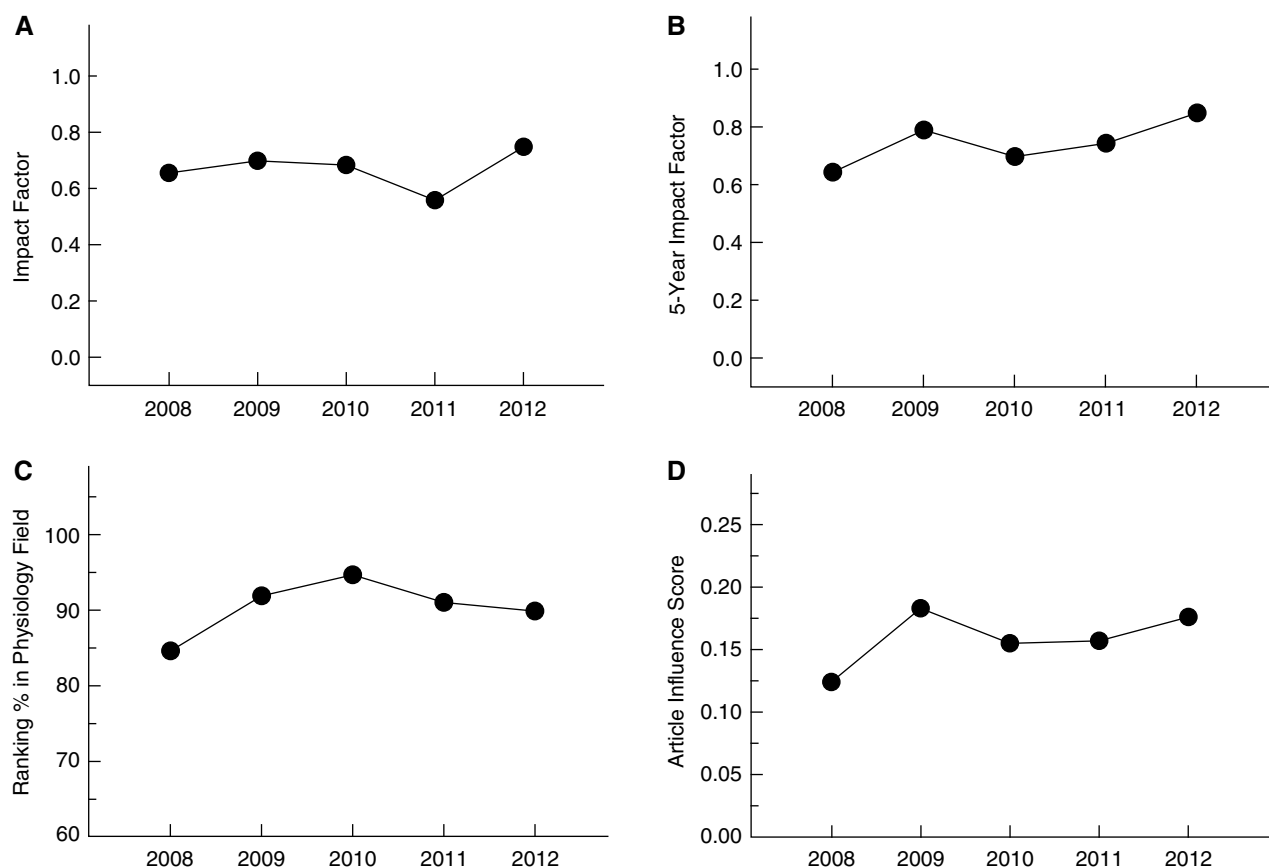


Fig. 1. Development of (A) impact factor, (B) 5-year impact factor, (C) ranking in field and (D) article influence score of the *Chinese Journal of Physiology* during 2008~2012.

have been dramatically explored from 38 in 2011 to 56 in 2012. To sum up, we together with the dear authors should think innovatively of how to keep on upgrading our quality, the width of field contribution, and access of our papers for being cited in the coming years.

We humbly share the editorial vision on the sources of our published manuscripts in 2012, and the prospective of the *Chinese Journal of Physiology*. First, we sincerely appreciate our authors from Taiwan (65.5%) for keeping on supporting the international journal of Taiwan *via* submitting your manuscripts for reviewing. Our non-preferential and non-patriotic policy in reviewing work has shown that scientists in Taiwan are industrious, prolific and keen to be active on international scientific stages. Second, we thank each author from People's Republic of China (30.6% in 2011 to 9.1%), Switzerland (4.1% to 9.1%), Turkey (4.1% to 3.6%), France (0% to 3.6%), Serbia (2.0% to 1.8%), United States (2.0% to 1.8%), Poland (2.0% to 1.8%), Russia (0% to 1.8%) and Iran (0% to 1.8%) for sharing your precious opinions, concepts, knowledge and technologies with our loved readers (Table 1). On the other hand, the speed of diverging spread in

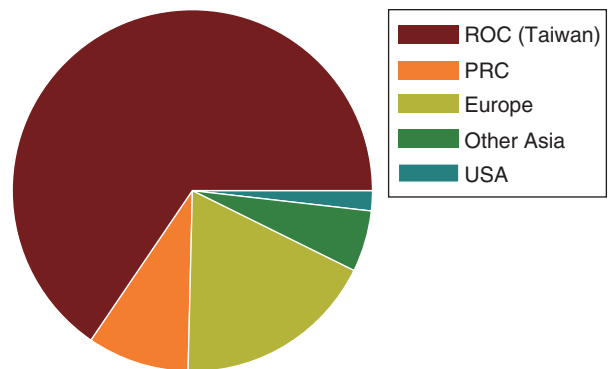
the main character of the topics has been even elevated. The major field "Physiology" (47.6% in 2011 to 39.4%) has successfully combined and integrated with other streams in science, such as "Biochemistry & Molecular Biology" (3.7% to 14.9%), "Oncology" (7.3% to 10.6%) and "Endocrinology & Metabolism" (3.7% to 5.3%) (Table 2).

In 2012, one of the world focuses is the constant and rapid increase of life expectancy, which is closely associated with a major aging of us human beings all over the world. Under this worldwide trend, we can expect an epidemic progression of most chronic diseases, especially cardiovascular, neurodegenerative, metabolic and oncological disorders, which are the main causes of death in the world. Here, the editors encourage authors to pay attention to the aging-related issues, and we welcome every format of articles such as reviews and meta-analyses, to share with our readers.

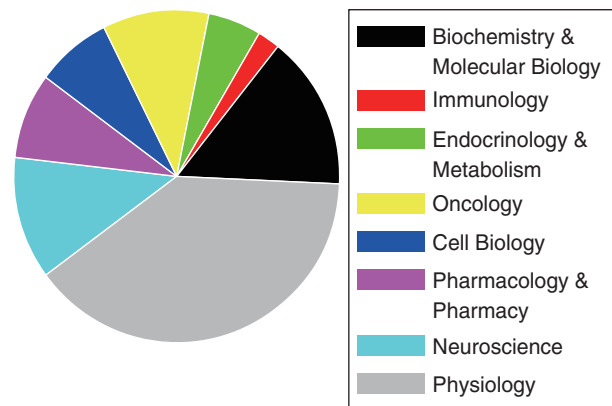
The editor office has made efforts in providing innovative service to the authors and readers. First, two upcoming issues of articles will be available online in the near future. Second, their doi numbers and related information will be provided as well for

Table 1. The sources of the article in *Chinese Journal of Physiology* in 2012

Nationality	Number	Percent (%)
Taiwan	36	65.5
PRC	5	9.1
Switzerland	5	9.1
France	2	3.6
Turkey	2	3.6
USA	1	1.8
Poland	1	1.8
Serbia	1	1.8
Russia	1	1.8
Iran	1	1.8

**Table 2. The field distribution of the article in *Chinese Journal of Physiology* in 2012**

Field	Number	Percent (%)
Physiology	37	39.4
Biochemistry & Molecular Biology	14	14.9
Neuroscience	11	11.7
Oncology	10	10.6
Pharmacology & Pharmacy	8	8.5
Cell Biology	7	7.4
Endocrinology & Metabolism	5	5.3
Immunology	2	2.1



being cited as well as E-pub ahead full article. Third, we have provided authors with an unimpeded access to transfer their manuscripts to be reviewed by Adaptive Medicine, another international journal. In 2011, we have five times in this transferring experience

and each of them is successful. Again, we sincerely end the Editorial letter with the following statement: "With the cooperation and support from each of you, *Chinese Journal of Physiology* shall become better and better".