The value of early research to new innovations

*Dr. Bor-Ming Jahn was an academician of Academia Sinica, Taiwan, and Distinguished Chair Professor of the Department of Geosciences, National Taiwan University. He conducted research on geochemistry and was the chief editor of Elsevier’s Journal of Asian Earth Sciences.

Articles published by Dr. Jahn between 2010–2015:

- 29% cite backfiles from before 1995
- 21% of cited backfiles come from Elsevier Journals

Approximately 54% of Dr. Bor-Ming Jahn’s articles and 80% of high impact articles on the research of loess geochemistry on paleoclimate change are published with Elsevier

Citing earlier works from ScienceDirect’s Pre–1995 Backfiles

Earlier papers and articles are very popular among other research fellows in the field of Earth and planetary science at National Taiwan University (NTU). Among the work published by the faculty members of NTU between 2010 and 2015, 25% of the citations are from papers published before 1995, and 20% of these citations rely on backfile papers published by Elsevier.

“Researchers should do more comprehensive reading about related and cross disciplinary subjects because earlier articles are valuable and catalysts for new areas of research.” —Dr. Bor-Ming Jahn

Renowned for his studies in the field of geochemistry, Dr. Bor-Ming Jahn independently or jointly published more than 200 peer-reviewed academic articles and has been cited over 14,800 times.

Among the articles written by Dr. Jahn, 54% are published in Elsevier’s Journals, including Lithos, Journal of Asian Earth Sciences, Precambrian Research, Chemical Geology, Tectonophysics and other high-impact journals.

Dr. Jahn’s research was in geochemistry, where he employed the principles and techniques of element and isotope geochemistry to explore important issues like the evolution of the upper mantle of the Earth, continental crust growth, genesis of magmatic rocks, geochemistry of sedimentary rocks and composition of the upper crust, evolution of Archean craton, continental crust subduction and ultrahigh pressure metamorphism, geochemistry of loess and paleoclimate change, and carbonate Pb-Pb dating. He had undoubtedly opened a new research field, inspiring numerous research articles on the subject. Published papers related to this new field have grown 20 times since 1999.

Elsevier’s Journals are pertinent to the field of Earth and planetary science
Approximately 54% of Dr. Bor-Ming Jahn’s articles and 80% of high impact articles on the research of loess geochemistry on paleoclimate change are published with Elsevier.

The 2012 Impact Factor figures for Earth and planetary science show that in terms of total citations, 80% of journals in the category of geochemistry and geophysics are published by Elsevier. These include influential publications such as Geochimica et Cosmochimica Acta, Earth and Planetary Science Letters, Chemical Geology, and Tectonophysics.

*Though Dr. Jahn has passed away in 2016, we are grateful for the opportunity to highlight excerpts from a 2015 case study featuring Dr. Jahn’s impressive research work, and the ways that he has contributed to his field.

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