



## **Professor Hui-Shen Shen**

See:

[http://www.researchgate.net/profile/Hui-Shen\\_Shen/](http://www.researchgate.net/profile/Hui-Shen_Shen/)

<http://www.journalogy.net/Author/19009918/hui-shen-shen>

[http://www.aipuniphy.org/Profile.bme/167207/Hui-Shen\\_Shen](http://www.aipuniphy.org/Profile.bme/167207/Hui-Shen_Shen)

Department of Applied Mechanics  
Shanghai Jiao Tong University

**Hui-Shen Shen** is a Professor of Applied Mechanics at Shanghai Jiao Tong University. He was graduated from Tsinghua University in 1970, and received a MSc degree in Solid Mechanics and a PhD degree in Structural Mechanics from Shanghai Jiao Tong University in 1982 and 1986, respectively. From 1991 to 1992 he was invited as a Visiting Research Fellow at the University of Wales (Cardiff) and the University of Liverpool in the United Kingdom. He became a full Professor of Applied Mechanics at Shanghai Jiao Tong University at the end of 1992. From 1995 to 2008 he was invited as a Visiting Professor time after time at the University of Cardiff, the Hong Kong Polytechnic University, the City University of Hong Kong, the Nanyang Technological University in Singapore, the Shizuoka University in Japan, the University of Western Sydney in Australia, and the York University in Canada. His research interests include elastic stability theory and, in general, non-linear response of plate and shell structures, nano mechanics and cell mechanics. He has published over 230 Journal papers, of which 168 are international journal papers. His research publications have been widely cited in the

areas of mechanics of materials and structures (more than 3100 times by papers published in 168 international archival journals, 160 local journals, and other publications, excluding self-citations). Referring to the Web of Science, his “h-index” was **26** (as of February 2012). He is the co-author of the book entitled “*Buckling of Structures*” (with T-Y Chen) and is the author of two books entitled “*Postbuckling Behavior of Plates and Shells*”, and “*Functionally Graded Materials: Nonlinear Analysis of Plates and Shells*” (CRC Press).

The most cited articles are as following:

1. Yang J, **Shen H-S**. Dynamic response of initially stressed functionally graded rectangular thin plates. *Composite Structures*, 2001, 54(4), 497-508.

**Top 10 cited articles (ranking 2) of Composite Structures (1983 to 2009)**

2. **Shen H-S**. Postbuckling prediction of double-walled carbon nanotubes under hydrostatic pressure. *International Journal of Solids and Structures*, 2004, 41(9-10), 2643-2657.

**Most cited article of International Journal of Solids and Structures (2004 to 2008)**

3. Huang X-L, **Shen H-S**. Nonlinear vibration and dynamic response of functionally graded plates in thermal environments. *International Journal of Solids and Structures*, 2004, 41(9-10), 2403-2427.

**Most cited article of International Journal of Solids and Structures (2004 to 2008)**

4. **Shen H-S**. Thermal postbuckling behavior of functionally graded cylindrical shells with temperature-dependent properties. *International Journal of Solids and Structures*, 2004, 41(7), 1961-1974.

**Most cited article of International Journal of Solids and Structures (2004 to 2008)**

5. **Shen H-S**, Noda N. Postbuckling of pressure-loaded FGM hybrid cylindrical shells in thermal environments. *Composite Structures*, 2007; 77(4): 546-560.

**Most cited articles of Composite Structures (2007 to 2011)**

6. **Shen H-S**. Thermal postbuckling behavior of shear deformable FGM plates with temperature-dependent properties. *International Journal of Mechanical Sciences*, 2007; 49(4): 466-478.

**Most cited articles of International Journal of Mechanical Sciences (2007 to 2011)**