



Name	Yongjun Tian	Date of Birth	March, 1963
Degree	Doctorate	Title	Professor
Schools & Departments	College of Materials Science and Engineering	Academic Posts	Associate editor of SCIENCE CHINA Materials
Website		E-mail	fhcl@ysu.edu.cn

Research Field: Metastable Materials

His recent research focuses on the design, synthesis and physical properties of novel metastable materials. His main interests include building quantitative connections between macroscopic property and microscopic electronic structure of metastable materials, recovering novel metastable phases at high pressure, adjusting microstructures and physical properties of metastable materials at high pressure.

Education background & Professional Experiences:

- Sept.1980-Aug.1984: Harbin University of Science and Technology, Bachelor degree
- Sept.1984-June 1987: Northeast Heavy Machinery Institute, Master's degree
- Dec.1990-June 1994: Institute of Physics, CAS, Ph.D.
- Aug.1996-Aug.1998: Friedrich-Schiller-Universitat Jena, Germany, Humboldt Research fellow
- Nov.1998-Oct.1999: Institute of Physics, CAS, Senior Visiting Scholar
- Sept.2001-Present: Yanshan University, Cheung Kong scholar professor

Teaching & Research:

He has made a series of research results in synthesis technology and design theory of superhard materials, including the synthesis of nanotwinned superhard materials harder than natural diamond, the hardness models for covalent single crystals and polycrystalline materials, and the predictions of many novel superhard materials. He has published over 200 refereed papers in journals including Nature, PNAS, Phys. Rev. Lett., J. Am. Chem. Soc., Adv. Mater. and Sci. Adv., which were cited over 4000 times by other SCI papers. He holds 15 domestic and foreign invention patents, and published a graduate teaching book and two co-authored monographs (Chinese and English). He received the Second National Natural Science Award of China one time, the First Natural Science Award of Chinese Ministry of Education two times, and the Outstanding Contribution Award in Science and Technology of Hebei Province. His main research funds are the innovation research group fund of NSFC (three periods), key fund of NSFC, national outstanding youth fund of NSFC and 973 project. His

nanotwinned cBN research was selected as the China's Top Ten Science Progress and the Top Ten Scientific and Technological Progress in Chinese Universities in 2013, and Nanotwinned diamond research was selected as the China's Top Ten Science Progress and the Top Ten Scientific and Technological Progress in Chinese Universities in 2014.