



Dr. Zhicheng Yang

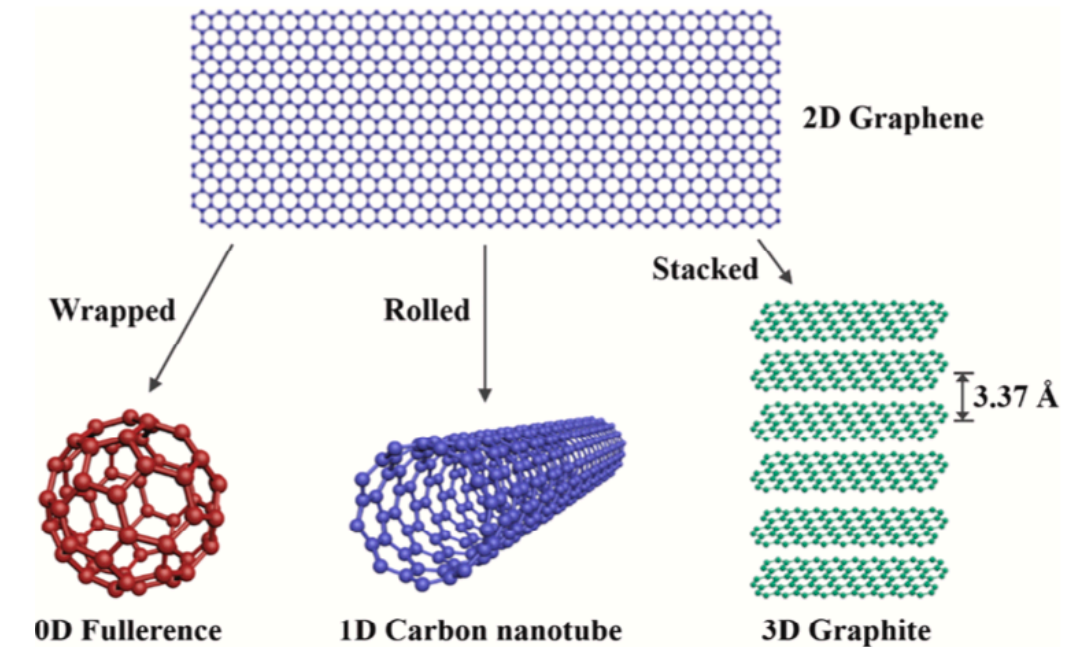


Fig. 2. From 2D graphene to 0D fullerene, 1D carbon nanotube and 3D graphite.

From: Shaoyu Zhao, Zhan Zhao, Zhicheng Yang, LiaoLiang Ke, Sritawat Kitipornchai and Jie Yang, "Functionally graded graphene reinforced composite structures: A review", *Engineering Structures*, Vol. 210, Article ID 110339, 2020

See:

https://www.researchgate.net/profile/Zhicheng_Yang8

<https://scholar.google.com/citations?user=nPXdGGIAAAAJ&hl=zh-CN>

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Selected Publications:

Airong Liu, Zhicheng Yang, Mark Andrew Bradford and Yong-Lin Pi, "Nonlinear dynamic buckling of fixed shallow arches under an arbitrary step radial point load", *ASCE Journal of Engineering Mechanics*, Vol. 144, No. 4, April 2018

Yonghui Huang, Zhicheng Yang, Airong Liu and Jiyang Fu, "Nonlinear Buckling Analysis of Functionally Graded Graphene Reinforced Composite Shallow Arches with Elastic Rotational Constraints under Uniform Radial Load", *Materials*, Vol. 11, pp 910-, 2018

A. R. Liu, Z. C. Yang, H. W. Lu, J. Y. Fu and Y. L. Pi, Experimental and analytical investigation on the in-plane dynamic instability of arches owing to parametric resonance, *J. Vib. Control*. 24 (19) (2018) 4419–4432

Zhicheng Yang, Yonghui Huang, Airong Liu, Jiyang Fu and Di Wu, "Nonlinear in-plane buckling of fixed shallow functionally graded graphene reinforced composite arches subjected to mechanical and thermal loading", *Applied Mathematical Modelling*, Vol. 70, pp 315-327, June 2019

Meifung Tam, Zhicheng Yang, Shaoyu Zhao and Jie Yang, "Vibration and buckling characteristics of functionally graded graphene nanoplatelets reinforced composite beams with open edge cracks", *Materials*, Vol. 12, 1412, 2019

Zhicheng Yang, Airong Liu, Jie Yang, Jiyang Fu and Bin Yang, "Dynamic buckling of functionally graded graphene nanoplatelets reinforced composite shallow arches under a step central point load", *Journal of Sound and Vibration*, Vol. 465, Article 115019, 20 January 2020

Zhicheng Yang, Shaoyu Zhao, Jie Yang, Jiagen Lv, Airong Liu & Jiyang Fu (2020): In-plane and out-of-plane free vibrations of functionally graded composite arches with graphene reinforcements, *Mechanics of Advanced Materials and Structures*, 2020, DOI: 10.1080/15376494.2020.1716420

Shaoyu Zhao, Zhicheng Yang, Sritawat Kitipornchai and Jie Yang, “Dynamic instability of functionally graded porous arches reinforced by graphene platelets”, *Thin-Walled Structures*, Vol. 147, Article ID 106491, 2020

Shaoyu Zhao, Zhan Zhao, Zhicheng Yang, LiaoLiang Ke, Sritawat Kitipornchai and Jie Yang, “Functionally graded graphene reinforced composite structures: A review”, *Engineering Structures*, Vol. 210, Article ID 110339, 2020