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**Selected Publications:**

Hanfeng Yin and Guilin Wen, “Theoretical prediction and numerical simulation of honeycomb structures with various cell specifications under axial loading”, *International Journal of Mechanics and Materials in Design*, Vol. 7, pp 253-263, 2011

Hanfeng Yin, Guilin Wen and Nianfei Gan, “Crashworthiness design for honeycomb structures under axial dynamic loading”, *International Journal of Computational Methods*, Vol. 8, No. 4, pp 863-877, 2011

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Hanfeng Yin, Guilin Wen, Shujuan Hou and Qixiang Qing, “Multiobjective crashworthiness optimization of functionally lateral graded foam-filled tubes”, *Materials and Design*, Vol. 44, pp 414-428, 2013



**Fig. 2** Cross sections of five kinds of horsetails ([http://www.aphotoflora.com/lower\\_plants\\_horsetails\\_equsetaceae.html](http://www.aphotoflora.com/lower_plants_horsetails_equsetaceae.html))

From: Youye Xiao, Hanfeng Yin, Hongbing Fang and Guilin Wen, “Crashworthiness design of horsetail-bionic thin-walled structures under axial dynamic loading”, *International Journal of Mechanics and Materials in Design*, Vol. 12, pp 563-576, 2016

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Hanfeng Yin, Guilin Wen, Hongbing Fang, Qixiang Qing, Xiangzheng Kong, Jiuru Xiao and Zhibo Liu, "Multiobjective crashworthiness optimization design of functionally graded foam-filled tapered tube based on dynamic ensemble metamodel", *Materials and Design*, Vol. 55, pp 747-757, 2014

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Hanfeng Yin, Youye Xiao, Guilin Wen, Qixiang Qing and Yufeng Deng, "Multiobjective optimization for foam-filled multi-cell thin-walled structures under lateral impact", *Thin-Walled Structures*, Vol. 94, pp 1-12, September 2015

Hanfeng Yin, Youye Xiao, Guilin wen, Qixiang Qing and Xin Wu, "Crushing analysis and multi-objective optimization design for bionic thin-walled structure", *Materials and Design*, Vol. 87, pp 825-834, 2015

Hanfeng Yin, Youye Xiao, Guilin Wen, Nianfei Gan, Can Chen and Jinie Dai, "Multi-objective robust optimization of foam-filled bionic thin-walled structures", *Thin-Walled Structures*, Vol. 109, pp 332-343, December 2016

Nianfei Gan, Yanan Feng, Hanfeng Yin, Guilin Wen, Duchua Wang and Xinyi Huang, "Quasi-static axial crushing experiment study of foam-filled CFRP and aluminum alloy thin-walled structures", *Composite Structures*, Vol. 157, pp 303-319, December 2016

Hanfeng Yin, Hongbing Fang, Guilin Wen, Qian Wang and Youye Xiao, "An adaptive RBF-based multi-objective optimization method for crashworthiness design of functionally graded multi-cell tube", *Structural Multidisciplinary Optimization*, Vol. 53, pp 129-144, 2016

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Hanfeng Yin, Xiaofei Huang, Fabrizio Scarpa, Guilin Wen, Yanyu Chen and Chao Zhang, "In-plane crashworthiness of bio-inspired hierarchical honeycombs", *Composite Structures*, Vol. 192 pp 516-527, May 2018

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