Professor Guangyong Sun

From: Guangyong Sun, Tong Pang, Chenglong Xu, Gang Zheng and Jie Song, “Energy absorption mechanics for variable thickness thin-walled structures”, Thin-Walled Structures, Vol. 118, pp 214-228, September 2017

See: https://www.researchgate.net/profile/Guangyong_Sun
https://scholar.google.gr/citations?user=vEJekEsAAAAJ&hl=en

State Key Laboratory of Advanced Design and Manufacturing
Hunan University, Changsha, China
Also: Aerospace, Mechanical and Mechatronic Engineering, The University of Sydney, Australia

Selected Publications:
Shujuan Hou, Xu Han, Guangyong Sun, Shuyao Long, Wei Li, Xujing Yang and Qing Li, “Multiobjective optimization for tapered circular tubes”, Thin-Walled Structures, Vol. 49, No 7, pp 855-863, July 2011
Guangyong Sun, Fengxiang Xu, Guangyao Li and Qing Li, “Crashing analysis and multiobjective optimization for thin-walled structures with functionally graded thickness”, International Journal of Impact Engineering, Vol. 64, pp 62-74, February 2014
Fengxiang Xu, Guangyong Sun, Guangyao Li, and Qing Li, “Experimental study on crashworthiness of tailor-welded blank (TWB) thin-walled high-strength steel (HSS) tubular structures”, Thin-Walled Structures, Vol. 74, pp 12-27, January 2014
Yong Zhang, Guangyong Sun, Xipeng Xu, Guangyao Li and Qing Li, “Multiobjective crashworthiness optimization of hollow and conical tubes for multiple load cases”, Thin-Walled Structures, Vol. 82, pp 331-342, September 2014
Xiuze An, Yunkai Gao, Jianguang Fang, Guangyong Sun and Qing Li, “Crashworthiness design for foam-filled thin-walled structures with functionally lateral graded thickness sheets”, Thin-Walled Structures, Vol. 91, pp 63-71, June 2015
Guangyao Li, Zhesuo Zhang, Guangyong Sun, Xiaodong Huang and Qing Li, “Comparison of functionally-graded structures under multiple loading angles”, Thin-Walled Structures, Vol. 94, pp 334-347, September 2015
Jianguang Fang, Yunkai Gao, Guangyong Sun, Na Qiu and Qing Li, “On design of multi-cell tubes under axial and oblique impact loads”, Thin-Walled Structures, Vol. 95, pp 115-126, October 2015
Na Qiu, Yunkai Gao, Jianguang Fang, Zhaoxuan Feng, Guangyong Sun and Qing Li, “Theoretical prediction and optimization of multi-cell hexagonal tubes under axial crashing”, Thin-Walled Structures, Vol. 102, pp 111-121, May 2016
Shengyin Wu, Guangyao Li, Guangyong Sun, Xin Wu and Qing Li, “Crashworthiness analysis and optimization of sinusoidal corrugation tube”, Thin-Walled Structures, Vol. 105, pp 121-134, August 2016
Guangyong Sun, Shunfeng Li, Qiang Liu, Guangyao Li and Qing Li, “Experimental study on crashworthiness of empty/aluminum foam/honeycomb-filled CFRP tubes”, Composite Structures, Vol. 152, pp 969-993, September 2016
Shengyin Wu, Guangyong Sun, Xin Wu, Guangyao Li and Qing Li, “Crashworthiness analysis and optimization of fourier varying section tubes”, International Journal of Non-Linear Mechanics, Vol. 92, pp 41-58, June 2017
Guohua Zhu, Guangyong Sun, Qiang Liu, Guangyao Li and Qing Li, “On crushing characteristics of different configurations of metal-composites hybrid tubes”, Composite Structures, Vol. 175, pp 58-69, September 2017
Guangyong Sun, Tong Pang, Chenglong Xu, Gang Zheng and Jie Song, “Energy absorption mechanics for variable thickness thin-walled structures”, Thin-Walled Structures, Vol. 118, pp 214-228, September 2017