Professor Qing Li


See:
https://sydney.edu.au/engineering/about/our-people/academic-staff/qing-li.html
https://scholar.google.com/citations?user=xaUOjFAAAAAJ&hl=en
https://www.researchgate.net/profile/Qing_Li24

School of Aerospace, Mechanical and Mechatronic Engineering
The University of Sydney, Sydney, NSW 2006, Australia

Biography:
Professor Qing Li obtained his PhD degree from the University of Sydney in 2000. He received postdoc training from Cornell University, NY, USA 2000 - 2001. He was a recipient of an Australian Research Council (ARC) Australian Postdoctoral (APD) Research Fellowship in 2001 (55 awarded nationwide). Dr Qing Li was a senior lecturer in School of Engineering, James Cook University, Townsville, Australia from 2004 to 2006. He returned to Sydney by taking up a Sesqui senior lectureship in 2006, where he was promoted to Associate Professor in 2010 and Professor in 2014. Prior to his academic appointment in Sydney, Dr Qing Li was a recipient of an Australian Academy of Science (AAS) international award to visit the University of Michigan, Ann Arbor, USA in 2006. Professor Qing Li is now an ARC Future Fellow (2013-2017) in the School of Aerospace, Mechanical and Mechatronic Engineering, at the University of Sydney.

Selected Publications:
Books:
Li, Q., Mai, Y. (Editors), Biomaterials for Implants and Scaffolds. Berlin: Springer, 2017

Journal Articles, etc:

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

A-man Zhang, Shao-fei Ren, Qing Li and Jia Li, “3D numerical simulation on fluid-structure interaction of structure subjected to underwater explosion with cavitation”, Applied Mathematics and Mechanics, Vol. 33, No. 9, pp 1191-1206, September 2012


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

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


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

Qiang Liu, Huanlin Xing, Yang Ju, Zhengyan Ou and Qing Li, “Quasi-static axial crushing and transverse bending of double hat shaped CFRP tubes”, Composite Structures, Vol. 116, pp 1-11, November 2014


Guangyao Li, Fengxiang Xu, Guangyong Sun and Qing Li, “A comparative study on thin-walled structures with functionally graded thickness (FGT) and tapered tubes withstanding oblique impact loading”, International Journal of Impact Engineering, Vol. 77, pp 68-83, March 2015

Fangyi Li, Guangyong Sun, Xiaodong Huang, Jianhua Rong and Qing Li, “Multiobjective robust optimization for crashworthiness design of foam filled thin-walled structures with random and interval uncertainties”, Engineering Structures, Vol. 88, pp 111-124, April 2015


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

Shujuan Hou, Chengfu Shu, Shuyun Zhao, Tangying Liu, Xu Han and Qing Li, “Experimental and numerical studies on multi-layered corrugated sandwich panels under crushing loading”, Composite Structures, Vol. 126, pp 371-385, August 2015

Guangyao Li, Zheshuo 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

Qiang Liu, Zhengyan Ou, Zhengwei Mo, Qing Li and Dapeng Qu, “Experimental investigation into dynamic axial impact responses of double hat shaped CFRP tubes”, Composites Part B: Engineering, Vol. 79, pp 494-504, 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, “Crashworthiness analysis and design of multi-cell hexagonal columns under multiple load cases”, Finite Elements in Analysis and Design, Vol. 104, pp 89-101, October 2015
Yong Zhang, Minghao Lu, Guangyong Sun, Guanyao Li and Qing Li, “On functionally graded composite structures for crashworthiness”, Composite Structures, Vol. 131, pp 393-405, November 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 crushing”, Thin-Walled Structures, Vol. 102, pp 111-121, May 2016
Jianguang Fang, Yunkai Gao, Xiuzhe An, Guangyong Sun, Junning Chen and Qing Li, “Design of transversely graded foam and wall thickness structures for crashworthiness criteria”, Composites Part B: Engineering, Vol. 92, pp 338-349, May 2016
Shengyin Wu, Guanyao 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, Guanyao 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
Qiang Liu, Jingbo Ma, Xiuyu Xu, Yanghan Wu and Qing Li, “Load bearing and failure characteristics of perforated square CFRP tubes under axial crushing”, Composite Structures, Vol. 160, pp 23-35, January 2017
Shengyin Wu, Guangyong Sun, Xin Wu, Guanyao 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, Guanyao Li and Qing Li, “On crushing characteristics of different configurations of metal-composites hybrid tubes”, Composite Structures, Vol. 175, pp 58-69, September 2017
Qiang Liu, Jie Fu, Jinsha Wang, Jingbo Ma, Hang Chen, Qing Li and David Hui, “Axial and lateral crushing responses of aluminum honeycombs filled with EPP foam”, Composites Part B: Engineering, Vol. 130, pp 236-247, December 2017
Guohua Zhu, Guangyong Sun, Guanyao Li, Aiguo Cheng and Qing Li, “Modeling for CFRP structures subjected to quasi-static crushing”, Composite Structures, Vol. 184, pp 41-55, January 2018
Guangyong Sun, Dongdong Chen, Xintao Huo, Gang Zheng and Qing Li, “Experimental and numerical studies on indentation and perforation characteristics of honeycomb sandwich panels”, Composite Structures, Vol. 184, pp 110-124, January 2018
Yong Zhang, Xiang Xu, Guangyong Sun, Xiongming Lai and Qing Li, “Nondeterministic optimization of tapered sandwich column for crashworthiness”, Thin-Walled Structures, Vol. 122, pp 193-207, January 2018
Guangyong Sun, Tangyin Liu, Xiaodong Huang, Gang Zhen and Qing Li, “Topological configuration analysis and design for foam filled multi-cell tubes”, Engineering Structures, Vol. 155, pp 235-250, January 2018
Guohua Zhu, Guangyong Sun, Guangyao Li, Aiguo Cheng and Qing Li, “Modeling for CFRP structures subjected to quasi-static crushing”, Composite Structures, Vol. 184, pp 41-55, 15 January 2018
Qiang Liu, Hao Shen, Yinghan Wu, Zhencong Xia, . . . Qing Li, “Crash responses under multiple impacts and residual properties of CFRP and aluminum tubes”, Composite Structures, Vol. 194 pp 87-103, June 2018
Guangyong Sun, Zhen Wang, Jiaying Hong, Kai Song and Qing Li, “Experimental investigation of the quasi-static axial crushing behavior of filament-wound CFRP and aluminum/CFRP hybrid tubes”, Composite Structures, Vol. 194 pp 208-225, June 2018
Sen Lin, Yi Min Xie, Qing Li, Xiaodong Huang, Zhe Zhang, Guowei Ma and Shiwei Zhou, “Shell buckling: from morphogenesis of soft matter to prospective applications”, Bioinspiration & Biomimetics, Vol. 13, No. 5, July 2018
Guangyong Sun, Shunfeng Li, Guangyao Li and Qing Li, “On crashing behaviors of aluminium/CFRP tubes subjected to axial and oblique loading: An experimental study”, Composites Part B Engineering, Vol. 145, pp 47-56, July 2018
Na Qiu, Yunkai Gao, Jianguang Fang, Guangyong Sun, Qi Li and Nam H. Kim, “Crashworthiness optimization with uncertainty from surrogate model and numerical error”, Thin-Walled Structures, Vol. 129, pp 457-472, August 2018
Dongdong Chen, Guangyong Sun, Maozhou Meng, Guangyao Li and Qing Li, “Residual crashworthiness of CFRP structures with pre-impact damage – An experimental and numerical study”, International Journal of Mechanical Sciences, Vol. 149, pp 122-135, December 2018
Guangyong Sun, Jingtao Zhang, Shiqiang Li, Jianguang Fang, Erdong Wang, Qing Li, “Dynamic response of sandwich panel with hierarchical honeycomb cores subject to blast loading”, Thin-Walled Structures, Vol. 142, pp 499-515, September 2019
Xintao Huo, Guangyong Sun, Haiyang Zhang, Xiaojian Lv, Qing Li, “Experimental study on low-velocity impact responses and residual properties of composite sandwiches with metallic foam core”, Composite Structures, Vol. 223, Article 110835, 1 September 2019
Qing Li and Deqing Yang, “Vibration and Sound Transmission Performance of Sandwich Panels with Uniform and Gradient Auxetic Double Arrowhead Honeycomb Cores”, Shock and Vibration, Article ID 6795271 Vol. 2019
Guangyong Sun, Erdong Wang, Jingtao Zhang, Shiqiang Li, Yong Zhang and Qing Li, “Experimental study on the dynamic responses of foam sandwich panels with different facesheets and core gradients subjected to blast impulse”, International Journal of Impact Engineering, Vol. 135, Article 103327, January 2020
Shunfeng Li, Xiao Guo, Qing Li, Dong Ruan and Guangyong Sun, “On lateral compression of circular aluminum, CFRP and GFRP tubes”, Composite Structures, Vol. 232, Article 111534, 15 January 2020
Qing Li and Deqing Yang, “Vibro-acoustic performance and design of annular cellular structures with graded auxetic mechanical metamaterials”, Journal of Sound and Vibration, Vol. 466, Article 115038, 3 February 2020