



Professor Yong Chang Wang

Yong C. Wang, Steel and Composite Structures: Behavior and Design, Taylor & Francis CRC Press, 2002, 352 pages

See:

<http://www.manchester.ac.uk/research/yong.wang/>

<http://www.mace.manchester.ac.uk/people/staff-spotlights/yong-wang/>

https://www.researchgate.net/profile/Yong_Wang99

https://www.researchgate.net/profile/Yong_Wang99/publications

https://www.researchgate.net/profile/Yong_Wang99/citations?sorting=recent&page=2

<https://scholar.google.com/citations?user=ZsJkvyQAAAAJ&hl=en>

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Biography:

Yong Wang graduated from South West Jiao Tong University in China in 1984 and was awarded a British Council Scholarship. He came to the UK in 1985 and earned his PhD in Structural Engineering from the University of Sheffield in 1988. He worked for eight years at the Building Research Establishment (including as a core member of the BRE team that carried out the Cardington structural fire tests) prior to joining the University of Manchester in 1997. His main research interests are structural and fire engineering, steel and composite structures and fire protection materials and systems. He is a Chartered Engineer, Fellow of the Institution of Structural Engineers and the UK's Higher Education Academy. He is the Leader of the Structural & Fire Engineering theme.

Selected Publications:

Books:

Yong C. Wang, Steel and Composite Structures: Behavior and Design, Taylor & Francis CRC Press, 2002, 352 pages

Yong C. Wang (Editor), Elevated temperature performance of thin-walled structures, Vol. 98 of Thin-Walled Structures (special issue), Elsevier, January 2016, Parts A and B, 640 pages

Journal Articles:

- Y.C. Wang, [Tests on slender composite columns](#), Journal of Constructional Steel Research, Vol. 49, No. 1, 1999
- M. Feng, Y.C. Wang and J.M. Davies, [Structural behaviour of cold-formed thin-walled short steel channel columns at elevated temperatures. Part 1: experiments](#), Thin-Walled Structures, Vol. 41, No. 6, pp 543-570, 2003
- M. Feng, Y.C. Wang and J.M. Davies, [Thermal performance of cold-formed thin-walled steel panel systems in fire](#), Fire Safety Journal, Vol. 38, No. 4, pp 366-394, 2003
- M. Feng, Y.C. Wang and J.M. Davies, [Axial strength of cold-formed thin-walled steel channels under non-uniform temperatures in fire](#), Fire Safety Journal, Vol. 38, No. 8, 2003
- Y.C. Wang, [Postbuckling behavior of axially restrained and axially loaded steel columns under fire conditions](#), Journal of Structural Engineering, Vol. 130, pp371-?, 2004
- Y.Z. Yin and Y.C. Wang, [A numerical study of large deflection behaviour of restrained steel beams at elevated temperatures](#), Journal of Constructional Steel Research, Vol. 60, No. 7, pp 1029-1047, 2004
- J. Ding and Y.C. Wang, [Realistic modelling of thermal and structural behaviour of unprotected concrete filled tubular columns in fire](#), Journal of Constructional Steel Research, Vol. 64, No. 10, pp 1086-1102, 2008
- Y.C. He and Y.C. Wang, "Load-deflection behaviour of thin-walled bolted plates in shear at elevated temperatures", Thin-Walled Structures, Vol. 98, Part A, pp 127-142, January 2016