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Selected Publications:

Qijie Ma and Peijun Wang (Civil Engineering Department, Shandong University, Jinan, Shandong Province 250061, China), "Simplified stability design method for the stiffened plate with slotted holes under uniform compression", *Thin-Walled Structures*, Vol. 68, pp 35-41, July 2013

Peijun Wang, Qijie Ma and Xudong Wang, "Investigation on Vierendeel mechanism failure of castellated steel beams with fillet corner web openings", *Engineering Structures*, Vol. 74, pp 44-51, September 2014

Peijun Wang, Xudong Wang and Ning Ma, "Vertical shear buckling capacity of web-posts in castellated steel beams with fillet corner hexagonal web openings", *Engineering Structures*, Vol. 75, pp 315-326, September 2014

Peijun Wang, Xudong Wang and Mei Liu, "Practical method for calculating the buckling temperature of the web-post in a cellular steel beam in fire", *Thin-Walled Structures*, Vol. 85, pp 441-455, December 2014

Yu Chao Zheng, Yang Yan and Pei Jun Wang, "Buckling Strength of Pressurized Cylindrical Shells under Axial Compression", *Applied Mechanics and Materials*, Vols. 638-640, pp. 1750-1753, 2014

Mei Liu, Lulu Zhang, Peijun Wang and Yicun Chang, "Buckling behaviors of (?) section aluminum alloy columns under axial compression", *Engineering Structures*, Vol. 95, pp 127-137, July 2015

Mei Liu, Lulu Zhang, Peijun Wang and Yicun Chang, "Experimental investigation on local buckling behaviors of stiffened closed-section thin-walled aluminum alloy columns under compression", *Thin-Walled Structures*, Vol. 94, pp 188-198, September 2015

Peijun Wang, Xudong Wang, Mei Liu and Lulu Zhang, "Web-post buckling of fully and partially protected cellular steel beams at elevated temperatures in a fire", *Thin-Walled Structures*, Vol. 98, Part A, pp 29-38, January 2016

Peijun Wang, Changbin Liu, Mei Liu and Xudong Wang, "Numerical studies on large deflection behaviour of axially restrained corrugated web steel beams at elevated temperatures", *Thin-Walled Structures*, Vol. 98, Part A, pp 58-74, January 2016

Mei Lu, Yicun Chang, Peijun Wang and Lulu Zhang, "Buckling behaviors of thin-walled aluminum alloy column with irregular-shaped cross section under axial compression in a fire", *Thin-Walled Structures*, Vol. 98, Part A, pp 230-243, January 2016

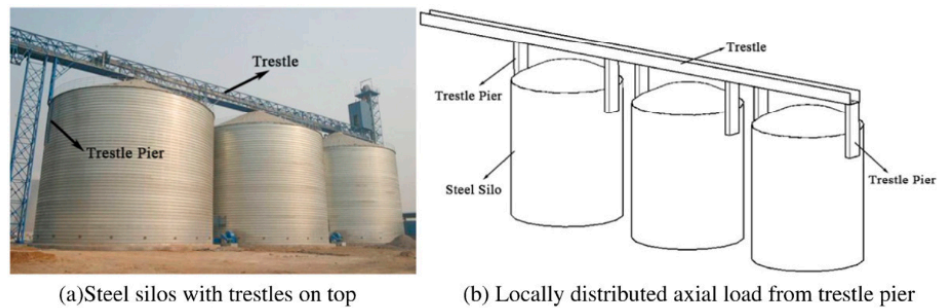


Fig. 1. Steel silo wall under local vertical load caused by trestle piers. (a) Steel silos with trestles on top. (b) Locally distributed axial load from trestle pier.

From: Peijun Wang, Xulin Zhu, Mei Liu and Yang Li, "Buckling behaviors and simplified design method for steel silos under locally distributed axial load", *Journal of Constructional Steel Research*, Vol. 134, pp 114-134, July 2017

Peijun Wang, Kangrui Guo, Mei Liu and Lulu Zhang, "Shear buckling strengths of web-posts in a castellated steel beam with hexagonal web openings", *Journal of Constructional Steel Research*, Vol. 121, pp 173-184, June 2016

Peijun Wang, Changbin Liu and Mei Liu, "Large deflection behavior of restrained corrugated web steel beams in a fire", *Journal of Constructional Steel Research*, Vol. 126, pp 92-106, November 2016

Yicun Chang, Mei Liu and Peijun Wang, "Interacted buckling failure of thin-walled irregular-shaped aluminum alloy column under axial compression", *Thin-Walled Structures*, Vol. 107, pp 627-647, 2016

Peijun Wang, Zipeng Xue and Shaowen Xiao, "Seismic behavior of self-buckling-restrained steel plate shear wall made by two incline-slotted infill plates", *Journal of Constructional Steel Research*, Vol. 133, pp 47-64, June 2017

Peijun Wang, Xulin Zhu, Mei Liu and Yang Li, "Buckling behaviors and simplified design method for steel silos under locally distributed axial load", *Journal of Constructional Steel Research*, Vol. 134, pp 114-134, July 2017

Yicun Chang, Mei Liu, Peijun Wang and Xiulin Li, "Behaviors and design method for distortional buckling of thin-walled irregular-shaped aluminum alloy struts under axial compression", *Engineering Structures*, Vol. 153, pp 118-135, December 2017

Mei Liu, Kangrui Guo, Peijun Wang, Chao Lou and Yue Zhang, "Simplified method for prediction of elastic-plastic buckling strength of web-post panels in castellated steel beams", *Steel and Composite Structures*, Vol. 25, No. 6, pp 671-684, 2017

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